

The GNS Staff Publications list is divided into the following sections:

[Peer-Reviewed Journal Articles](#)

[Peer-Reviewed Conference Papers](#)

[Peer-Reviewed Books and Chapters](#)

[Other Publications](#)

[Conference Abstracts](#)

Peer-Reviewed Journal Articles

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [Y](#) [Z](#)

A

Abdul Aziz, S.A.; Kennedy, J.V.; Murmu, P.P.; Fang, F.; Cao, P. 2014 Structural and compositional characterization of ion beam sputtered hydroxyapatite thin films on Ti-6Al-4v. *Asian Journal of Applied Sciences*, 7(8): 745-752; doi: 10.3923/ajaps.2014.745.752

Adams, C.J.; Bradshaw, J.D.; Ireland, T.R. 2014 Provenance connections between late Neoproterozoic and early Palaeozoic sedimentary basins of the Ross Sea region, Antarctica, south-east Australia and southern Zealandia. *Antarctic Science*, 26(2): 173-182; doi: 10.1017/S0954102013000461

Ancelet, T.; Davy, P.K.; Trompetter, W.J.; Markwitz, A. 2014 Sources of particulate matter pollution in a small New Zealand city. *Atmospheric pollution research*, 5(4): 572-810; doi: 10.5094/APR.2014.066

Ancelet, T.; Davy, P.K.; Trompetter, W.J.; Markwitz, A.; Weatherburn, D.C. 2014 Particulate matter sources on an hourly time-scale in a rural community during the winter. *Journal of the Air & Waste Management Association*, 64(5): 501-508; doi: 10.1080/10962247.2013.813414

Ancelet, T.; Davy, P.K.; Trompetter, W.J.; Markwitz, A.; Weatherburn, D.C. 2014 Sources and transport of particulate matter on an hourly time-scale during the winter in a New Zealand urban valley. *Urban Climate*, 10(P4): 644-655; doi: 10.1016/j.uclim.2014.06.003

Anders, H.; Dunfield, P.F.; Lagutin, K.; Houghton, K.M.; Power, J.F.; MacKenzie, A.D.; Vyssotski, M.; Ryan, J.L.J.; Hanssen, E.; Moreau, J.W.; Stott, M.B. 2014 *Thermoflavifilum aggregans* gen. nov. sp. nov., a thermophilic and slightly halophilic filamentous bacterium from the phylum *Bacteroidetes*. *International Journal of Systematic and Evolutionary Microbiology*, 64(4): 1264-1270; doi: 10.1099/ijs.0.057463-0

Archer, R.; Abraham, L.; Pecher, I.A.; Fohrmann, M. 2014 Modelling gas hydrate production potential in the Hikurangi margin. *New Zealand Journal of Geology and Geophysics*, 57(1): 102-105; doi: 10.1080/00288306.2013.854813

[Top of the Section](#)

Asmundsson, R.; Pezard, P.; Sanjuan, B.; Hennings, J.; Deltombe, J-L.; Halladay, N.; Lebert, F.; Gadalia, A.; Millot, R.; Gibert, B.; Violay, M.; Reinsche, T.; Naisse, J-M.; Massiot, C.; Azais, P.; Mainprice, D.; Karytsas, C.; Johnston, C. 2014 High temperature instruments and methods developed for supercritical geothermal reservoir characterisation and exploitation : the HiTI project. *Geothermics*, 49: 90-98; doi: 10.1016/j.geothermics.2013.07.008

Azis, S.A.A.; Kennedy, J.V.; Cao, P. 2014 Effect of annealing on microstructure of hydroxyapatite coatings and their behaviours in simulated body fluid. *Advanced Materials Research*, 922: 657-662; doi: 10.4028/www.scientific.net/AMR.922.657

B

Bache, F.; Mortimer, N.; Sutherland, R.; Collot, J.; Rouillard, P.; Stagpoole, V.M.; Nicol, A. 2014 Seismic stratigraphic record of transition from Mesozoic subduction to continental breakup in the Zealandia sector of eastern Gondwana. *Gondwana research*, 26(3/4): 1060-1078; doi: 10.1016/j.gr.2013.08.012

Bache, F.; Sutherland, R.; King, P.R. 2014 Use of ancient wave-ravinement surfaces to determine palaeogeography and vertical crustal movements around New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(4): 459-467; doi: 10.1080/00288306.2014.975254

Baisden, W.T. 2014 Achieving 'step changes' in science and innovation : towards 'Pasteur's paddock'?. *New Zealand science review*, 71(1): 10-12

Barrell, D.J.A. 2014 The Balmoral moraines near Lake Pukaki, Southern Alps : a new reference area for the early Otira Glaciation in New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(4): 442-452; doi: 10.1080/00288306.2014.936473

Barrell, D.J.A.; Read, S.A.L. 2014 The deglaciation of Lake Pukaki, South Island, New Zealand : a review. *New Zealand Journal of Geology and Geophysics*, 57(1): 86-101; doi: 10.1080/00288306.2013.847469

Barth, N.C.; Kulhanek, D.K.; Beu, A.G.; Murray-Wallace, C.V.; Hayward, B.W.; Mildenhall, D.C.; Lee, D.E. 2014 New c. 270 kyr strike-slip and uplift rates for the southern Alpine Fault and implications for the New Zealand plate boundary. *Journal of Structural Geology*, 64: 39-52; doi: 10.1016/j.jsg.2013.08.009

Bartholomew, T.D.; Little, T.A.; Clark, K.J.; Van Dissen, R.J.; Barnes, P.M. 2014 Kinematics and paleoseismology of the Vernon Fault, Marlborough Fault System, New Zealand : implications for contractional fault bend deformation, earthquake triggering, and the record of Hikurangi subduction earthquakes. *Tectonics*, 33(7): 1201-1218; doi: 10.1002/2014TC003543

Bartlow, N.M.; Wallace, L.M.; Beavan, R.J.; Bannister, S.C.; Segall, P. 2014 Time-dependent modeling of slow slip events and associated seismicity and tremor at the Hikurangi subduction zone, New Zealand. *Journal of Geophysical Research. Solid Earth*, 119(1): 734-753; doi: 10.1002/2013JB010609

Bassett, D.; Sutherland, R.; Henrys, S.A. 2014 Slow wavespeeds and fluid overpressure in a region of shallow geodetic locking and slow slip, Hikurangi subduction margin, New Zealand. *Earth and Planetary Science Letters*, 389: 1-13; doi: 10.1016/j.epsl.2013.12.021

[Top of the Section](#)

- Bath, A.B.; Cooke, D.R.; Friedman, R.M.; Faure, K.; Kamenetsky, V.S.; Tosdai, R.M.; Berry, R.F. 2014** Mineralization, U-Pb geochronology, and stable isotope geochemistry of the Lower Main zone of the Lorraine deposit, North-Central British Columbia : a replacement-style alkalic Cu-Au porphyry. *Economic Geology*, 109(4): 979-1004; doi: 10.2113/econgeo.109.4.979
- Batkhisig, B.; Noriyoshi, T.; Bignall, G. 2014** Magmatic-hydrothermal activity in the Shuteen area, South Mongolia. *Economic Geology*, 109(7): 1929-1942; doi: 10.2113/econgeo.109.7.1929
- Baur, J.; Sutherland, R.; Stern, T. 2014** Anomalous passive subsidence of deep-water sedimentary basins : a prearc basin example, southern New Caledonia Trough and Taranaki Basin, New Zealand. *Basin research*, 26(2): 242-268; doi: 10.1111/bre.12030
- Becker, J.S.; Paton, D.; Johnston, D.M.; Ronan, K. 2014** Societal influences on earthquake information meaning-making and household preparedness. *International Journal of Mass Emergencies and Disasters*, 32(2): 317-352
- Begue, F.; Deering, C.; Gravley, D.; Kennedy, B.; Chambefort, I.S.; Gualda, G.; Bachmann, O. 2014** Extraction, storage, and eruption of multiple isolated magma batches in the paired Mamaku and Ohakuri eruption, Taupo Volcanic Zone, New Zealand. *Journal of Petrology*, 55(8): 1653-1684; doi:10.1093/petrology/egu038
- Begue, F.; Gualda, G.A.R.; Ghiorso, M.S.; Pamukcu, A.S.; Kennedy, B.M.; Gravley, D.M.; Deering, C.D.; Chambefort, I.S. 2014** Phase-equilibrium geobarometers for silicic rocks based on rhyolite-MELTS. Part 2, application to Taupo Volcanic Zone rhyolites. *Contributions to Mineralogy and Petrology*, 168(5): article 1082; doi: 10.1007/s00410-014-1082-7
- Bell, R.; Holden, C.; Power, W.L.; Wang, X.; Downes, G.L. 2014** Hikurangi margin tsunami earthquake generated by slow seismic rupture over a subducted seamount. *Earth and Planetary Science Letters*, 397: 1-9; doi: 10.1016/j.epsl.2014.04.005
- Beu, A.G.; Marshall, B.; Reay, M.B. 2014** Mid-Cretaceous (Albian-Cenomanian) freshwater Mollusca from the Clarence Valley, Marlborough, New Zealand, and their biogeographical significance. *Cretaceous research*, 49: 134-151; doi: 10.1016/j.cretres.2014.02.011
- Beu, A.G.; Taviani, M. 2014** Early Miocene Mollusca from McMurdo Sound, Antarctica (ANDRILL 2A drill core), with a review of Antarctic Oligocene and Neogene Pectinidae (Bivalvia). *Palaeontology*, 57(2): 299-342; doi: 10.1111/pala.12067
- Beyer, M.; Morgenstern, U.; Jackson, B. 2014** Review of techniques for dating young groundwater (<100 years) in New Zealand. *Journal of hydrology, New Zealand*, 53(2): 93-112
- Beyer, M.; van der Raaij, R.W.; Morgenstern, U.; Jackson, B. 2014** Potential groundwater age tracer found : Halon-1301 (CF₃Br), as previously identified as CFC-13 (CF₃Cl). *Water Resources Research*, 50(9): 7318-7331; doi: 10.1002/2014WR015818
- Bloomberg, S.; Werner, C.; Rissmann C.; Mazot, A.; Horton, T.; Gravley, D.; Kennedy, B.; Oze, C. 2014** Soil CO₂ emissions as a proxy for heat and mass flow assessment, Taupo Volcanic Zone, New Zealand. *Geochemistry Geophysics Geosystems*, 15(12): 4885-4904; doi: 10.1002/2014GC005327
- Bordoni, P.; Del Monaco, F.; Milana, G.; Tallini, M.; Haines, A.J. 2014** The seismic response at high frequency in central L'Aquila : a comparison between spectral ratios of 2D modeling and observations of the 2009 aftershocks. *Bulletin of the Seismological Society of America*, 104(3): 1374-1388; doi: 10.1785/0120130230

[Top of the Section](#)

Boulton, C.; Moore, D.E.; Lockner, D.A.; Toy, V.G.; Townend, J.; Sutherland, R. 2014 Frictional properties of exhumed fault gouges in DFDP-1 cores, Alpine Fault, New Zealand. *Geophysical Research Letters*, 41(2): 356-362; doi: 10.1002/2013GL058236

Boyle, J.T.; Sheets, H.; Wu, S-Y.; Goldman, D.; Melchin, M.J.; Cooper, R.A.; Sadler, P.M.; Mitchell, C.E. 2014 A re-examination of the contributions of biofacies and geographic range to extinction risk in Ordovician graptolites. *GFF*, 136(1): 38-41; doi: 10.1080/11035897.2013.861864

Bradley, B.A.; Quigley, M.C.; Van Dissen, R.J.; Litchfield, N.J. 2014 Ground motion and seismic source aspects of the Canterbury earthquake sequence. *Earthquake Spectra*, 30(1): 1-15; doi: 10.1193/030113EQS060M

Brathwaite, R.L.; Christie, A.B.; Faure, K.; Townsend, M.G.; Terlesk, S. 2014 Geology, mineralogy and geochemistry of the rhyolite-hosted Maungaparerua clay deposit, Northland. *New Zealand Journal of Geology and Geophysics*, 57(4): 357-368; doi: 10.1080/00288306.2014.920889

Brathwaite, R.L.; Skinner, D.N.B.; Faure, K.; Edwards, E. 2014 Pyrite-coated granite cobbles at Lee Bay, Stewart Island. *New Zealand Journal of Geology and Geophysics*, 57(1): 57-64; doi: 10.1080/00288306.2013.864317

Buckeridge, J.S.; Campbell, H.J.; Maurizot, P. 2014 Unravelling the nature of *Waiparaconus*, a pennatulacean (Cnidaria: Octocorallia) from the Late Mesozoic–Early Cainozoic of the Southern Hemisphere. *Integrative Zoology*, 9(2): 111-120; doi: 10.1111/1749-4877.12060

C

Cambaliza, M.O.; Shepson, P.B.; Caulton, D.R.; Stirm, B.; Samarov, D.; Gurney, K.R.; Turnbull, J.C.; Davis, K.J.; Possolo, A.; Karion, A.; Sweeney, C.; Moser, B.; Hendricks, A.; Lauvaux, T.; Mays, K.; Whetstone, J.; Huang, J.; Razlivanov, I.; Miles, N.L.; Richardson, S.J. 2014 Assessment of uncertainties of an aircraft-based mass balance approach for quantifying urban greenhouse gas emissions. *Atmospheric chemistry and physics*, 14(17): 9029-9050; doi: 10.5194/acp-14-9029-2014

Canora, C.; Martinez-Diaz, J.J.; Insua-Arevalo, J.M.; Alvarez-Gomez, J.A.; Villamor, P.; Alonso-Henar, J.; Capote-Villar, R. 2014 The 1719 El Salvador earthquake : an $M > 7.0$ event in the Central American Volcanic Arc?. *Seismological Research Letters*, 85(4): 784-793; doi: 10.1785/0220130150

Canora, C.; Martinez-Diaz, M.; Villamor, P.; Staller, A.; Berryman, K.R.; Alvarez-Gomez, J.A.; Capote, R.; Diaz, M. 2014 Structural evolution of the El Salvador Fault Zone : an evolving fault system within a volcanic arc. *Journal of Iberian Geology*, 40(3): 471-488; doi: 10.5209/rev_JIGE.2014.v40.n3.43559

Caratori Tontini, F.; Bortoluzzi, G.; Carmisciano, C.; Cocchi, L.; de Ronde, C.E.J.; Ligi, M.; Muccini, F. 2014 Near-bottom magnetic signatures of submarine hydrothermal systems at Marsili and Palinuro volcanoes, southern Tyrrhenian Sea, Italy. *Economic Geology*, 109(8): 2119-2128; doi: 10.2113/econgeo.109.8.2119

Carey, J.M.; Pettley, D.N. 2014 Progressive shear-surface development in cohesive materials; implications for landslide behaviour. *Engineering Geology*, 177: 54-65; doi: 10.1016/j.enggeo.2014.05.009

[Top of the Section](#)

Carpenter, B.M.; Kitajima, H.; Sutherland, R.; Townend, J.; Toy, V.G.; Saffer, D.M. 2014 Hydraulic and acoustic properties of the active Alpine Fault, New Zealand : laboratory measurements on DFDP-1 drill core. *Earth and Planetary Science Letters*, 390: 45-51; doi: 10.1016/j.epsl.2013.12.023

Chambefort, I.S.; Lewis, B.; Wilson, C.J.N.; Rae, A.J.; Coutts, C.; Bignall, G.; Ireland, T.R. 2014 Stratigraphy and structure of the Ngatamariki geothermal system from new zircon U-Pb geochronology : implications for Taupo Volcanic Zone evolution. *Journal of Volcanology and Geothermal Research*, 274: 51-70; doi: 10.1016/j.jvolgeores.2014.01.015

Chambefort, I.S.; Moritz, R. 2014 Subaqueous environment and volcanic evolution of the Late Cretaceous Chelopech Au-Cu Epithermal Deposit, Bulgaria. *Journal of Volcanology and Geothermal Research*, 289: 1-13; doi: 10.1016/j.jvolgeores.2014.10.013

Chan, T.K.; Koh, S.Y.; Fang, V.; Markwitz, A.; Osipowicz, T. 2014 Loss of implanted heavy elements during annealing of ultra-shallow ion-implanted silicon : the complete picture. *Applied Surface Science*, 314: 322-330; doi: 10.1016/j.apsusc.2014.06.030

Chapman, N.; Berryman, K.R.; Villamor, P.; Epstein, W.; Cluff, L.; Kawamura, H. 2014 Active faults and nuclear power plants. *Eos*, 95(4): 33-34; doi: 10.1002/2014EO040001

Chaudhary, O.J.; Calius, E.; Kennedy, J.V.; Travas-Sejdic, J. 2014 Polymer brushes for improvement of dry adhesion in biomimetic dry adhesives. *International journal of nanotechnology*, 11(5-8): 636-644

Chewings, J.M.; Atkins, C.B.; Dunbar, G.B.; Golledge, N.R. 2014 Aeolian sediment transport and deposition in a modern high-latitude glacial marine environment. *Sedimentology*, 61(6): 1535-1557; doi: 10.1111/sed.12108

Chong, S.V.; Williams, G.V.M.; Sambale, S.; Kennedy, J.V.; Kadowaki, K. 2014 Magneto-resistance study of AFE_2As_2 (A=SR, Ba) iron-based compounds. *International journal of nanotechnology*, 11(5-8): 403-411

Coffin, R.B.; Hamdan, L.J.; Smith, J.P.; Rose, P.S.; Plummer, R.E.; Yoza, B.; Pecher, I.A.; Montgomery, M.T. 2014 Contribution of vertical methane flux to shallow sediment carbon pools across Porangahau Ridge, New Zealand. *Energies*, 7(8): 5332-5356; doi: 10.3390/en7085332

Conran, J.G.; Bannister, J.M.; Mildenhall, D.C.; Lee, D.E.; Chacon, J.; Renner, S.S. 2014 Leaf fossils of *luzuriaga* and a monocot flower with in situ pollen of *liliacidites contortus* Mildenh. & Bannister sp. nov. (alstroemeriaceae) from the Early Miocene. *American Journal of Botany*, 101(1): 141-155; doi: 10.3732/ajb.1300351

Conran, J.G.; Mildenhall, D.C.; Lee, D.E.; Lindqvist, J.K.; Shepherd, C.; Beu, A.G.; Bannister, J.M.; Stein, J.K. 2014 Subtropical rainforest vegetation from Cosy Dell, Southland : plant fossil evidence for Late Oligocene terrestrial ecosystems. *New Zealand Journal of Geology and Geophysics*, 57(2): 236-252; doi: 10.1080/00288306.2014.888357

Contreras, L.; Pross, J.; Bijl, P.K.; O'Hara, R.B.; Raine, J.I.; Sluijs, A.; Brinkhuis, H. 2014 Southern high-latitude terrestrial climate change during the Palaeocene-Eocene derived from a marine pollen record (ODP Site 1172, East Tasman Plateau). *Climate of the past*, 10(4): 1401-1420; doi: 10.5194/cp-10-1401-2014

[Top of the Section](#)

- Cook, C.P.; Hill, D.; van de Flierdt, T.; Williams, T.; Hemming, S.R.; Dolan, A.M.; Pierce, E.L.; Escutia, C.D.; Harwood, D.; Cortese, G.; Gonzalez, J.J. 2014** Sea surface temperature control on the distribution of far-travelled Southern Ocean ice-rafted detritus during the Pliocene. *Paleoceanography*, 29(6): 533-548; doi: 10.1002/2014PA002625
- Cooper, R.A.; Sadler, P.M.; Munnecke, A.; Crampton, J.S. 2014** Graptoloid evolutionary rates track Ordovician–Silurian global climate change. *Geological Magazine*, 151(2): 349-364; doi: 10.1017/S0016756813000198
- Cortese, G. 2014** Editorial : marine micropaleontology special issue dedicated to Paulian Dumitric. *Marine micropaleontology*, 110: 1-2; doi: 10.1016/j.marmicro.2013.11.001
- Cortese, G. 2014** Radiolarian researchers based in Italy during the late 19th and early 20th centuries. *Journal of micropalaeontology*, 33(1): 95-103; doi: 10.1144/jmpaleo2012-023
- Crame, J.A.; Beu, A.G.; Ineson, J.R.; Francis, J.E.; Whittle, R.J.; Bowman, V.C. 2014** The early origin of the Antarctic marine fauna and its evolutionary implications. *PLoS one*, 9(12): article number e114743
- Craw, D.; Upton, P. 2014** Graphite reaction weakening of fault rocks, and uplift of the Annapurna Himal, central Nepal. *Geosphere*, 10(4): 720-731
- Cronin, S.J.; Stewart, C.; Zernack, A.V.; Brenna, M.; Procter, J.N.; Pardo, N.; Christenson, B.W.; Wilson, T.; Stewart, R.B.; Irwin, M. 2014** Volcanic ash leachate compositions and assessment of health and agricultural hazards from 2012 hydrothermal eruptions, Tongariro, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 233-247; doi: 10.1016/j.jvolgeores.2014.07.002
- Crouch, E.M.; Willumsen, P.S.; Kulhanek, D.K.; Gibbs, S.J. 2014** A revised Paleocene (Teurian) dinoflagellate cyst zonation from eastern New Zealand. *Review of Palaeobotany and Palynology*, 202: 47-79; doi: 10.1016/j.revpalbo.2013.12.004
- Crouch, J.F.; Pardo, N.; Miller, C.A. 2014** Dual polarisation C-band weather radar imagery of the 6 August 2012 Te Maari eruption, Mount Tongariro, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 415-436; doi: 10.1016/j.jvolgeores.2014.05.003
- Crowe, M.A.; Power, J.F.; Morgan, X.C.; Dunfield, P.F.; Lagutin, K.; Rijpstra, W.I.C.; Vyssotski, M.; Sinninghe Damste, J.S.; Houghton, K.M.; Ryan, J.L.J.; Stott, M.B. 2014** *Pyrimomonas methylaliphatogenes* gen. nov. sp. nov., a novel group 4 thermophilic *Acidobacteria* from geothermal soils. *International Journal of Systematic and Evolutionary Microbiology*, 64(1): 220-227; doi: 10.1099/ijs.0.055079-0
- Crutchley, G.J.; Klaeschen, D.; Planert, L.; Bialas, J.; Berndt, C.; Papenberg, C.; Hensen, C.; Hornbach, M.J.; Krastel, S.; Brueckmann, W. 2014** The impact of fluid advection on gas hydrate stability : investigations at sites of methane seepage offshore Costa Rica. *Earth and Planetary Science Letters*, 401: 95-109; doi: 10.1016/j.epsl.2014.05.045
- Currenti, G.; Williams, C.A. 2014** Numerical modeling of deformation and stress fields around a magma chamber : constraints on failure conditions and rheology. *Physics of the Earth and Planetary Interiors*, 226: 14-27; doi: 10.1016/j.pepi.2013.11.003

[Top of the Section](#)

D

- Damste, J.S.; Rijpstra, I.C.; Hopmans, E.C.; Foesel, B.U.; Wust, P.K.; Overmann, J.; Tank, M.; Bryant, D.A.; Dunfield, P.F.; Houghton, K.M.; Stott, M.B. 2014** Ether- and ester-bound iso-diabolic acid and other lipids in members of *Acidobacteria* subdivision 4. *Applied and Environmental Microbiology*, 80(17): 5207-5218; doi: 10.1128/AEM.01066-14
- Davies, B.J.; Golledge, N.R.; Glasser, N.F.; Carrivick, J.L.; Ligtenberg, S.R.M.; Barrand, N.E.; Van Den Broeke, M.R.; Hambrey, M.J.; Smellie, J.L. 2014** Modelled glacier response to centennial temperature and precipitation trends on the Antarctic Peninsula. *Nature Climate Change*, 4(11): 993-998; doi: 10.1038/nclimate2369
- Davy, B.W. 2014** Rotation and offset of the Gondwana convergent margin in the New Zealand region following Cretaceous jamming of Hikurangi Plateau large igneous province subduction. *Tectonics*, 33(8): 1577-1595; doi: 10.1002/2014TC003629
- de Ronde, C.E.J.; Hein, J.R.; Butterfield, D.A. 2014** Metallogenesis and mineralization of intraoceanic arcs II : the Aeolian, Izu-Bonin, Mariana, and Kermadec Arcs, and the Manus Backarc Basin : introduction. *Economic Geology*, 109(8): 2073-2077; doi: 10.2113/econgeo.109.8.2073
- de Ronde, C.E.J.; Walker, S.L.; Ditchburn, R.G.; Caratori Tontini, F.; Hannington, M.D.; Merle, S.G.; Timm, C.; Handler, M.R.; Wysoczanski, R.J.; Dekov, V.M.; Kamenov, G.D.; Baker, E.T.; Embley, R.W.; Lupton, J.E.; Stoffers, P. 2014** The anatomy of a buried submarine hydrothermal system, Clark volcano, Kermadec arc, New Zealand. *Economic Geology*, 109(8): 2261-2292; doi: 10.2113/econgeo.109.8.2261
- Downs, D.T.; Rowland, J.V.; Wilson, C.J.N.; Rosenberg, M.D.; Leonard, G.S.; Calvert, A.T. 2014** Evolution of the intra-arc Taupo-Reporoa Basin within the Taupo Volcanic Zone of New Zealand. *Geosphere*, 10(1): 185-206; doi: 10.1130/GES00965.1
- Downs, D.T.; Wilson, C.J.N.; Cole, J.W.; Rowland, J.V.; Calvert, A.T.; Leonard, G.S.; Keall, J.M. 2014** Age and eruptive center of the Paeroa Subgroup ignimbrites (Whakamaru Group) within the Taupo Volcanic Zone of New Zealand. *Geological Society of America Bulletin*, 126(9/10): 1131-1144; doi: 10.1130/B30891.1
- Doyle, E.E.H.; Khan, S.; Adler, C.; Alaniz, R.C.; Athayde, S.; Lin, K.-H.E.; Saunders, W.S.A.; Schenk, T.; Sosa-Rodriguez, F.; Sword-Daniels, V.; Akanle, O.; Baudoin, M.-A.; Chang, C.T.; De Bruin, K.D.; Djalante, R.; Eriksen, C.; Lee, H.-C.; Mishra, J.; Okorie, V.O.; Olanya, D.R.; Perlaviciute, G.; Ruiz-Rivera, N.; Vallance, S.; Xie, X.; Yin, L.; Beaven, S.; Ebikeme, C.; Eiser, R.; Johnston, D.M.; Kenney, C.; Liu, T.; Paton, D.; Schweizer, S.; Stavrou, V. 2014** Reporting on the seminar - Risk interpretation in action (RIA) : decision making under conditions of uncertainty. *Australasian Journal of Disaster and Trauma Studies*, 18(1): 27-38
- Doyle, E.E.H.; McClure, J.; Johnston, D.M.; Paton, D. 2014** Communicating likelihoods and probabilities in forecasts of volcanic eruptions. *Journal of Volcanology and Geothermal Research*, 272: 1-15; doi: 10.1016/j.jvolgeores.2013.12.006
- Doyle, E.E.H.; McClure, J.; Paton, D.; Johnston, D.M. 2014** Uncertainty and decision making : volcanic crisis scenarios. *International Journal of Disaster Risk Reduction*, 10(Part A): 75-101; doi: 10.1109/DRC.2014.6872324

[Top of the Section](#)

Drake, B.D.; Campbell, K.A.; Rowland, J.V.; Guido, D.M.; Browne, P.R.L.; Rae, A.J. 2014 Evolution of a dynamic paleo-hydrothermal system at Mangatete, Taupo Volcanic Zone, New Zealand. *Journal of Volcanology and Geothermal Research*, 282: 19-35; doi: 10.1016/j.jvolgeores.2014.06.010

Dumke, I.; Berndt, C.; Crutchley, G.J.; Krause, S.; Liebetrau, V.; Gay, A.; Couillard, M. 2014 Seal bypass at the Giant Gjallar Vent (Norwegian Sea) : indications for a new phase of fluid venting at a 56-Ma-old fluid migration system. *Marine Geology*, 351: 38-52; doi: 10.1016/j.margeo.2014.03.006

Durance, P.M.J.; Jowitt, S.M.; Bush, K. 2014 An assessment of portable X-ray fluorescence spectroscopy in mineral exploration, Kurnalpi Terrane, Eastern Goldfields Superterrane, Western Australia. *Transactions of the Institution of Mining and Metallurgy. Section B, Applied Earth Science*, 123(3): 150-163; doi: 10.1179/1743275814Y.0000000052

E

Eberhart-Phillips, D.; Bannister, S.C.; Ellis, S.M. 2014 Imaging *P* and *S* attenuation in the termination region of the Hikurangi subduction zone, New Zealand. *Geophysical Journal International*, 198(1): 516-536; doi: 10.1093/gji/ggu151

Ellis, S.M.; Heise, W.; Kissling, W.M.; Villamor, P.; Schreurs, G. 2014 The effect of crustal melt on rift dynamics : case study of the Taupo Volcanic Zone. *New Zealand Journal of Geology and Geophysics*, 57(4): 453-458; doi: 10.1080/00288306.2014.972961

F

Fang, F.; Kennedy, J.V.; Carder, D.; Futter, R.J.; Rubanov, S. 2014 Investigations of near infrared reflective behaviour of TiO₂ nanopowders synthesised by arc discharge. *Optical Materials*, 36(7): 1260-1265; doi: 10.1016/j.optmat.2014.03.010

Fitzgerald, R.H.; Tsunematsu, K.; Kennedy, B.M.; Breard, E.C.P.; Lube, G.; Wilson, T.M.; Jolly, A.D.; Pawson, J.; Rosenberg, M.D.; Cronin, S.J. 2014 The application of a calibrated 3D ballistic trajectory model to ballistic hazard assessments at Upper Te Maari, Tongariro. *Journal of Volcanology and Geothermal Research*, 286: 248-262; doi: 10.1016/j.jvolgeores.2014.04.006

Fogwill, C.J.; Turney, C.S.M.; Golledge, N.R.; Rood, D.H.; Hippe, K.; Wacker, L.; Wieler, R.; Rainsley, E.B.; Jones, R.S. 2014 Drivers of abrupt Holocene shifts in West Antarctic ice stream direction determined from combined ice sheet modelling and geologic signatures. *Antarctic Science*, 26(6): 674-686; doi: 10.1017/S0954102014000613

Fogwill, C.J.; Turney, C.S.M.; Meissner, K.J.; Golledge, N.R.; Spence, P.; Roberts, J.L.; England, M.H.; Jones, R.T.; Carter, L. 2014 Testing the sensitivity of the East Antarctic Ice Sheet to Southern Ocean dynamics : past changes and future implications. *Journal of Quaternary Science*, 29(1): 91-98; doi: 10.1002/jqs.2683

Fournier, N.; Jolly, A.D. 2014 Detecting complex eruption sequence and directionality from high-rate geodetic observations : the August 6, 2012 Te Maari eruption, Tongariro, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 387-396; doi: 10.1016/j.jvolgeores.2014.05.021

Franzblau, R.E.; Daughney, C.J.; Moreau, M.; Weisener, C.G. 2014 Selenate adsorption to composites of *Escherichia coli* and iron oxide during the addition, oxidation, and hydrolysis of Fe(II). *Chemical Geology*, 383: 180-193; doi: 10.1016/j.chemgeo.2014.06.016

[Top of the Section](#)

Fraser, S.A.; Power, W.L.; Wang, X.; Wallace, L.M.; Mueller, C.; Johnston, D.M. 2014

Tsunami inundation in Napier, New Zealand, due to local earthquake sources. *Natural hazards*, 70(1): 415-445; doi: 10.1007/s11069-013-0820-x

Fraser, S.A.; Wood, N.J.; Johnston, D.M.; Leonard, G.S.; Greening, P.D.; Rossetto, T. 2014

Variable population exposure and distributed travel speeds in least-cost tsunami evacuation modelling. *Natural Hazards and Earth System Sciences*, 14(11): 2975-2991; doi: 10.5194/nhess-14-2975-2014

Fry, B.; Davey, F.J.; Eberhart-Phillips, D.; Lebedev, S. 2014 Depth variable crustal anisotropy, patterns of crustal weakness, and destructive earthquakes in Canterbury, New Zealand. *Earth and Planetary Science Letters*, 392: 50-57; doi: 10.1016/j.epsl.2014.02.013

Fry, B.; Eberhart-Phillips, D.; Davey, F.J. 2014 Mantle accommodation of lithospheric shortening as seen by combined surface wave and teleseismic imaging in the South Island, New Zealand. *Geophysical Journal International*, 199(1): 499-513; doi: 10.1093/gji/ggu271

G

Gallagher, S.J.; Exon, N.; Seton, M.; Ikehara, M.; Hollis, C.J.; Arculus, R.; D'Hondt, S.; Foster, C.; Gurnis, M.; Kennett, J.P.; McKay, R.; Malahoff, A.; Mori, J.; Takai, K.; Wallace, L.M. 2014 Exploring new drilling prospects in the southwest Pacific. *Scientific Drilling*, 17: 45-50; doi:10.5194/sd-17-45-2014

Gargani, J.; Bache, F.; Jouannic, G.; Gorini, C. 2014 Slope destabilization during the Messinian Salinity Crisis. *Geomorphology*, 213: 128-138; doi: 10.1016/j.geomorph.2013.12.042

Gerstenberger, M.C.; McVerry, G.H.; Rhoades, D.A.; Stirling, M.W. 2014 Seismic hazard modeling for the recovery of Christchurch, New Zealand. *Earthquake Spectra*, 30(1): 17-29; doi: 10.1193/021913EQS037M

Goded, T.; Cousins, W.J.; Fenaughty, K.F. 2014 Analysis of the severe damage online felt reports for the Canterbury (New Zealand) 2011 aftershocks on 22 February M_w 6.2, 13 June M_w 6.0 and 23 December M_w 6.0. *Seismological Research Letters*, 85(3): 678-691; doi: 10.1785/0220130198

Golledge, N.R. 2014 Selective erosion beneath the Antarctic Peninsula Ice Sheet during LGM retreat. *Antarctic Science*, 26(6): 698-707; doi: 10.1017/S0954102014000340

Golledge, N.R.; Marsh, O.J.; Rack, W.; Braaten, D.; Jones, R.S. 2014 Basal conditions of two Transantarctic Mountains outlet glaciers from observation-constrained diagnostic modelling. *Journal of glaciology*, 60(223): 855-866; doi: 10.3189/2014JoG13J131

Golledge, N.R.; Menviel, L.; Carter, L.; Fogwill, C.J.; England, M.H.; Cortese, G.; Levy, R.H. 2014 Antarctic contribution to meltwater pulse 1A from reduced Southern Ocean overturning. *Nature communications*, 5: article number 5107; doi: 10.1038/ncomms6107

Gonzales, K.; Finizola, A.; Lenat, J.-F.; Macedo, O.; Ramos, D.; Thouret, J.-C.; Fournier, N.; Cruz, V.; Pistre, K. 2014 Asymmetrical structure, hydrothermal system and edifice stability : the case of Ubinas volcano, Peru, revealed by geophysical surveys. *Journal of Volcanology and Geothermal Research*, 276: 132-144; doi: 10.1016/j.jvolgeores.2014.02.020

[Top of the Section](#)

Grant-Mackie, J.A.; Yamakita, S.; Matsumoto, T.; Hori, R.S.; Takemura, A.; Aita, Y.; Takahashi, S.; Campbell, H.J. 2014 A probable shark dorsal fin spine fragment from the Early Triassic of the Arrow Rocks sequence, Whangaroa, northern New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(3): 295-299; doi: 10.1080/00288306.2014.889722

Gruen, G.; Weis, P.; Driesner, T.; Heinrich, C.A.; de Ronde, C.E.J. 2014 Hydrodynamic modeling of magmatic–hydrothermal activity at submarine arc volcanoes, with implications for ore formation. *Earth and Planetary Science Letters*, 404: 307-318; doi: 10.1016/j.epsl.2014.07.041

Gusyev, M.A.; Abrams, D.; Toews, M.W.; Morgenstern, U.; Stewart, M.K. 2014 A comparison of particle-tracking and solute transport methods for simulation of tritium concentrations and groundwater transit times in river water. *Hydrology and Earth System Sciences*, 18(8): 3109-3119; doi: 10.5194/hess-18-3109-2014

H

Hamling, I.J.; D'Anastasio, E.; Wallace, L.M.; Ellis, S.M.; Motagh, M.; Samsonov, S.; Palmer, N.G.; Hreinsdottir, S. 2014 Crustal deformation and stress transfer during a propagating earthquake sequence : the 2013 Cook Strait sequence, Central New Zealand. *Journal of Geophysical Research. Solid Earth*, 119(7): 6080-6092; doi: 10.1002/2014JB011084

Hamling, I.J.; Wright, T.J.; Calais, E.; Lewi, E.; Fukahata, Y. 2014 InSAR observations of post-rifting deformation around the Dabbahu rift segment, Afar, Ethiopia. *Geophysical Journal International*, 197(1): 33-49; doi: 10.1093/gji/ggu003

Harte, D.S. 2014 An ETAS model with varying productivity rates. *Geophysical Journal International*, 198(1): 270-284; doi: 10.1093/gji/ggu129

He, B.; Sassa, K.; McSaveney, M.J.; Nagai, O. 2014 Development of ICL landslide teaching tools. *Landslides*, 11(1): 153-159; doi: 10.1007/s10346-013-0460-y

Hein, J.R.; de Ronde, C.E.J.; Koski, R.A.; Ditchburn, R.G.; Mizell, K.; Tamura, Y.; Stern, R.J.; Conrad, T.A.; Ishizuka, O.; Leybourne, M.I. 2014 Layered hydrothermal barite-sulfide mound field, East Diamante Caldera, Mariana Volcanic Arc. *Economic Geology*, 109(8): 2179-2206; doi: 10.2113/econgeo.109.8.2

Heron, D.W.; Lukovic, B.; Massey, C.I.; Ries, W.; McSaveney, M.J. 2014 GIS modelling in support of earthquake-induced rockfall and cliff collapse risk assessment in the Port Hills, Christchurch. *Journal of Spatial Science*, 59(2): 313-332; doi: 10.1080/14498596.2014.913509

Hollis, C.J.; Tayler, M.J.S.; Andrew, B.; Taylor, K.W.; Lurcock, P.; Bijl, P.K.; Kulhanek, D.K.; Crouch, E.M.; Nelson, C.S.; Pancost, R.D.; Huber, M.; Wilson, G.S.; Ventura, G.T.; Crampton, J.S.; Schioler, P.; Phillips, A. 2014 Organic-rich sedimentation in the South Pacific Ocean associated with Late Paleocene climatic cooling. *Earth-Science Reviews*, 134: 81-97; doi: 10.1016/j.earscirev.2014.03.006

Hornblow, S.; Quigley, M.; Nicol, A.; Van Dissen, R.J.; Wang, N. 2014 Paleoseismology of the 2010 M_w 7.1 Darfield (Canterbury) earthquake source, Greendale Fault, New Zealand. *Tectonophysics*, 637: 178-190; doi: 10.1016/j.tecto.2014.10.004

Houghton, B.F.; Carey, R.J.; Rosenberg, M.D. 2014 The 1800a Taupo eruption : "Ill wind" blows the ultraplinian type event down to Plinian. *Geology*, 42(5): 459-461; doi: 10.1130/G35400.1

[Top of the Section](#)

Hug, K.; Maher, W.A.; Stott, M.B.; Krikowa, F.; Foster, S.; Moreau, J.W. 2014 Microbial contributions to coupled arsenic and sulfur cycling in the acid-sulfide hot spring Champagne Pool, New Zealand. *Frontiers in Microbiology*, 5: article 569; doi: 10.3389/fmicb.2014.00569

Hurst, A.W.; Jolly, A.D.; Sherburn, S. 2014 Precursory characteristics of the seismicity before the 6 August 2012 eruption of Tongariro volcano, North Island, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 294-302; doi: 10.1016/j.jvolgeores.2014.03.004

J

Jhal, S.; Mounsey, Z.; Tuohy, R.; Johnston, D.M. 2014 Coping with disaster : general practitioners' perspectives on the impact of the Canterbury earthquakes. *PLOS Currents, Disasters (April 2, 2014)*: 1-9; doi: 10.1371/currents.dis.cf4c8fa61b9f4535b878c48eca87ed5d

Johns, S.M.; Ditchburn, R.G.; Barry, B.J.; Yeats, C.J. 2014 Episodic subseafloor hydrothermal activity within the eastern Manus back-arc basin determined by uranium-series disequilibrium in barite. *Economic Geology*, 109(8): 2227-2242; doi: 10.2113/econgeo.109.8.2227

Johnston, D.M.; Ronan, K.; Standring, S. 2014 Children's understanding of natural hazards in Christchurch, New Zealand : reflecting on a 2003 study. *Australian journal of emergency management*, 29(1):

Johnston, D.M.; Standring, S.; Ronan, K.; Lindell, M.; Wilson, T.; Cousins, W.J.; Aldridge, E.; Ardagh, M.W.; Deely, J.M.; Jensen, S.; Kirsch, T.; Bissell, R. 2014 The 2010/2011 Canterbury earthquakes : context and cause of injury. *Natural hazards*, 73(2): 627-637; doi: 10.1007/s11069-014-1094-7

Jolly, A.D.; Cronin, S.J. 2014 From eruption to end-user : bridging the science-management interface during the 2012 Te Maari eruption, Tongariro Volcano, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 183; doi: 10.1016/j.jvolgeores.2014.08.025`

Jolly, A.D.; Joussett, P.; Lyons, J.J.; Carniel, R.; Fournier, N.; Fry, B.; Miller, C.A. 2014 Seismo-acoustic evidence for an avalanche driven phreatic eruption through a beheaded hydrothermal system : an example from the 2012 Tongariro eruption. *Journal of Volcanology and Geothermal Research*, 286: 331-347; doi: 10.1016/j.jvolgeores.2014.04.007

Jolly, A.D.; Lokmer, I.; Kennedy, B.; Keys, H.J.R.; Proctor, J.; Lyons, J.J.; Jolly, G.E. 2014 Active seismic sources as a proxy for seismic surface processes : an example from the 2012 Tongariro volcanic eruptions, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 317-330; doi: 10.1016/j.jvolgeores.2014.04.008

Jolly, G.E.; Keys, H.J.R.; Procter, J.; Deligne, N.I. 2014 Overview of the co-ordinated risk-based approach to science and management response and recovery for the 2012 eruptions of Tongariro volcano, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 184-207; doi: 10.1016/j.jvolgeores.2014.08.028

Jordan, T.H.; Marzocchi, W.; Michael, A.J.; Gerstenberger, M.C. 2014 Operational earthquake forecasting can enhance earthquake preparedness. *Seismological Research Letters*, 85(5): 955-959; doi: 10.1785/0220140143

Joyce, K.E.; Samsonov, S.V.; Levick, S.R.; Engelbrecht, J.; Belliss, S. 2014 Mapping and monitoring geological hazards using optical, LiDAR, and synthetic aperture RADAR image data. *Natural hazards*, 73(2): 137-163; doi: 10.1007/s11069-014-1122-7

[Top of the Section](#)

K

- Kaneko, Y.; Shearer, P.M. 2014** Seismic source spectra and estimated stress drop derived from cohesive-zone models of circular subshear rupture. *Geophysical Journal International*, 197(2): 1002-1015; doi:10.1093/gji/ggu030
- Kaviyarasu, K.; Manikandan, E.; Kennedy, J.V.; Jayachandran, M. 2014** Quantum confinement and photoluminescence of well-aligned CdO nanofibers by solvothermal route. *Materials letters*, 120: 243-245; doi: 10.1016/j.matlet.2014.01.048
- Kaviyarasu, K.; Manikandan, E.; Paulraj, P.; Mohamed, S.B.; Kennedy, J.V. 2014** One dimensional well-aligned CdO nanocrystal by solvothermal method. *Journal of Alloys and Compounds*, 593: 67-70; doi: 10.1016/j.jallcom.2014.01.071
- Keller, E.D.; Baisden, W.T.; Timar, L.; Mullan, B.; Clark, A. 2014** Grassland production under global change scenarios for New Zealand pastoral agriculture. *Geoscientific Model Development*, 7: 2359-2391; doi: 10.5194/gmd-7-2359-2014
- Keller, E.D.; Baisden, W.T.; Timar, L.; Mullan, B.; Clark, A. 2014** Grassland production under global change scenarios for New Zealand pastoral agriculture. *Geoscientific Model Development Discussions*, 7: 3307-3365; doi: 10.5194/gmdd-7-3307-2014
- Kelley, S.E.; Kaplan, M.R.; Schaefer, J.M.; Andersen, B.G.; Barrell, D.J.A.; Putnam, A.E.; Denton, G.H.; Schwartz, R.; Finkel, R.C.; Doughty, A.M. 2014** High-precision ¹⁰Be chronology of moraines in the Southern Alps indicates synchronous cooling in Antarctica and New Zealand 42,000 years ago. *Earth and Planetary Science Letters*, 405: 194-206; doi: 10.1016/j.epsl.2014.07.031
- Kennedy, E.M.; Arens, N.C.; Reichgelt, T.; Spicer, R.A.; Spicer, T.E.V.; Stranks, L.; Yang, J. 2014** Deriving temperature estimates from Southern Hemisphere leaves. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 412: 80-90; doi: 10.1016/j.palaeo.2014.07.015
- Kennedy, J.V.; Leveneur, J.; Fang, F.; Markwitz, A. 2014** Enhanced reduction of silicon oxide thin films on silicon under electron beam annealing. *Nuclear instruments & methods in physics research. Section B, Beam interactions with materials and atoms*, 332: 421-425; doi: 10.1016/j.nimb.2014.02.110
- Kennedy, J.V.; Leveneur, J.; Murmu, P.P.; Anilkumar, P.; Iqbal, A. 2014** Fabrication of Gd nanoparticles in SiO₂/Si substrate by ion implantation. *International Journal of ChemTech Research*, 6(6): 3924-3926
- Kennedy, J.V.; Murmu, P.P.; Gupta, P.S.; Carder, D.A.; Chong, S.V.; Leveneur, J.; Rubanov, S. 2014** Effects of annealing on the structural and optical properties of zinc sulfide thin films deposited by ion beam sputtering. *Materials Science in Semiconductor Processing*, 26: 561-566; doi: 10.1016/j.mssp.2014.05.055
- Kennedy, J.V.; Murmu, P.P.; Manikandan, E.; Lee, S.Y. 2014** Investigation of structural and photoluminescence properties of gas and metal ions doped zinc oxide single crystals. *Journal of Alloys and Compounds*, 616: 614-617; doi: 10.1016/j.jallcom.2014.07.179
- Khajavi, N.; Quigley, M.; Langridge, R.M. 2014** Influence of topography and basement depth on surface rupture morphology revealed from LiDAR and field mapping, Hope Fault, New Zealand. *Tectonophysics*, 630: 265-284; doi: 10.1016/j.tecto.2014.05.032

[Top of the Section](#)

Kilgour, G.N.; Saunders, K.E.; Blundy, J.D.; Cashman, K.V.; Scott, B.J.; Miller, C.A. 2014 Timescales of magmatic processes at Ruapehu volcano from diffusion chronometry and their comparison to monitoring data. *Journal of Volcanology and Geothermal Research*, 288: 62-75; doi: 10.1016/j.jvolgeores.2014.09.010

King, A.B.; Middleton, D.; Brown, C.; Johnston, D.M.; Johal, S. 2014 Insurance : its role in recovery from the 2010-2011 Canterbury earthquake sequence. *Earthquake Spectra*, 30(1): 475-491; doi: 10.1193/022813EQS058M

Klawonn, M.; Frazer, L.N.; Wolfe, C.J.; Houghton, B.F.; Rosenberg, M.D. 2014 Constraining particle size-dependent plume sedimentation from the 17 June 1996 eruption of Ruapehu Volcano, New Zealand, using geophysical inversions. *Journal of Geophysical Research. Solid Earth*, 119(3): 1749-1763; doi: 10.1002/2013JB010387

L

Lagutin, K.; MacKenzie, A.; Houghton, K.M.; Stott, M.B.; Vyssotski, M. 2014 The identification and quantification of phospholipids from *Thermus* and *Meiothermus* bacteria. *Lipids*, 49(11): 1133-1141; doi: 10.1007/s11745-014-3946-z

Langridge, R.M.; Howarth, J.D.; Cochran, U.A.; Stirling, M.W.; Villamor, P.; Sutherland, R.; Berryman, K.R.; Townend, J.; Norris, R. 2014 Lidar reveals uniform Alpine fault offsets and bimodal plate boundary rupture behavior, New Zealand : comment. *Geology*, 42(10): e351; doi: 10.1130/G35935C.1

Langridge, R.M.; Ries, W.F.; Farrier, T.; Barth, N.C.; Khajavi, N.; De Pascale, G.P. 2014 Developing sub 5-m LIDAR DEMs for forested sections of the Alpine and Hope faults, South Island, New Zealand : implications for structural interpretations. *Journal of Structural Geology*, 64: 53-66; doi: 10.1016/j.jsg.2013.11.007

Lawrence, J.; Quade, D.; Becker, J.S. 2014 Integrating the effects of flood experience on risk perception with responses to changing climate risk. *Natural hazards*, 74(3): 1773-1794; doi: 10.1007/s11069-014-1288-z

Lawrence, J.F.; Cochran, E.S.; Chung, A.; Kaiser, A.E.; Christensen, C.M.; Allen, R.; Baker, J.W.; Fry, B.; Heaton, T.; Kilb, D.; Kohler, M.D.; Taufer, M. 2014 Rapid earthquake characterization using MEMS accelerometers and volunteer hosts following the M 7.2 Darfield, New Zealand, earthquake. *Bulletin of the Seismological Society of America*, 104(1): 184-192; doi: 10.1785/0120120196

Lee, D.E.; Lindqvist, J.K.; Beu, A.G.; Robinson, J.H.; Ayress, M.A.; Morgans, H.E.G.; Stein, J.K. 2014 Geological setting and diverse fauna of a Late Oligocene rocky shore ecosystem, Cosy Dell, Southland. *New Zealand Journal of Geology and Geophysics*, 57(2): 195-208; doi: 10.1080/00288306.2014.898666

Lee, K.C-Y.; Morgan, X.C.; Dunfield, P.F.; Tamas, I.; McDonald, I.R.; Stott, M.B. 2014 Genomic analysis of *Chthonomonas calidirosea*, the first sequenced isolate of the phylum *Armatimonadetes*. *The ISME journal*, 8(7): 1522-1533; doi: 10.1038/ismej.2013.251

[Top of the Section](#)

- Leonard, G.S.; Stewart, C.; Wilson, T.M.; Procter, J.N.; Scott, B.J.; Keys, H.J.; Jolly, G.E.; Wardman, J.B.; Cronin, S.J.; McBride, S.K. 2014** Integrating multidisciplinary science, modelling and impact data into evolving, syn-event volcanic hazard mapping and communication : a case study from the 2012 Tongariro eruption crisis, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 208-232; doi: 10.1016/j.jvolgeores.2014.08.018
- Lepland, A.; Joosu, L.; Kirsimäe, K.; Prave, A.R.; Romashkin, A.E.; Crne, A.E.; Martin, A.P.; Fallick, A.E.; Somelar, P.; Üpraus, K.; Mänd, K.; Roberts, N.M.W.; van Zuilen, M.A.; Wirth, R.; Schreiber, A. 2014** Potential influence of sulphur bacteria on Palaeoproterozoic phosphogenesis. *Nature geoscience*, 7(1): 20-24; doi: 10.1038/ngeo2005
- Leveueur, J.; Kennedy, J.V.; Williams, G.V.M.; Sasase, M.; Metson, J.B.; Markwitz, A. 2014** Structural and chemical changes during the growth of Fe nanoparticles in SiO₂ under low energy ion implantation. *International journal of nanotechnology*, 11(5-8): 466-476
- Leveueur, J.; Kremer, F.; Kennedy, J.V.; Ridgway, M.C.; Williams, G.V.M.; Metson, J.B. 2014** Enhancement of the magnetic properties of iron nanoparticles upon incorporation of samarium. *Materials Research Express*, 1(2): article 026110; doi:10.1088/2053-1591/1/2/026110
- Li, X.; Flenley, J.R.; Rapson, G.L. 2014** Untangling the causes of vegetation change in a 5,300 year pollen record at Tiniroto Lakes, Gisborne, New Zealand. *Vegetation History and Archaeobotany*, 23(2): 87-96; doi: 10.1007/s00334-013-0398-y
- Ligi, M.; Cocchi, L.; Bortoluzzi, G.; D'Oriano, F.; Muccini, F.; Caratori Tontini, F.; de Ronde, C.E.J.; Carmisciano, C. 2014** Mapping of seafloor hydrothermally altered rocks using geophysical methods : Marsili and Palinuro Seamounts, Southern Tyrrhenian Sea. *Economic Geology*, 109(8): 2103-2117; doi: 10.2113/econgeo.109.8.2103
- Litchfield, N.J.; Van Dissen, R.J.; Sutherland, R.; Barnes, P.M.; Cox, S.C.; Norris, R.; Beavan, R.J.; Langridge, R.M.; Villamor, P.; Berryman, K.R.; Stirling, M.W.; Nicol, A.; Nodder, S.; Lamarche, G.; Barrell, D.J.A.; Pettinga, J.R.; Little, T.; Pondard, N.; Mountjoy, J.J.; Clark, K.J. 2014** A model of active faulting in New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(1): 32-56; doi: 10.1080/00288306.2013.854256
- Loevholt, F.; Glimsdal, S.; Harbitz, C.B.; Horspool, N.A.; Smebye, H.; de Bono, A.; Nadim, F. 2014** Global tsunami hazard and exposure due to large co-seismic slip. *International Journal of Disaster Risk Reduction*, 10(B): 406-418; doi: 10.1016/j.ijdrr.2014.04.003
- Lube, G.; Breard, E.C.P.; Cronin, S.J.; Procter, J.N.; Brenna, M.; Moebis, A.; Pardo, N.; Stewart, R.B.; Jolly, A.D.; Fournier, N. 2014** Dynamics of surges generated by hydrothermal blasts during the 6 August 2012 Te Maari eruption, Mt. Tongariro, New Zealand. *Journal of Volcanology and Geothermal Research*, 286: 348-366; doi: 10.1016/j.jvolgeores.2014.05.010

M

- Mackintosh, A.N.; Verleyen, E.; O'Brien, P.E.; White, D.A.; Jones, S.; McKay, R.; Dunbar, R.; Gore, D.B.; Fink, D.; Post, A.L.; Miura, H.; Leventer, A.; Goodwin, I.; Hodgson, D.A.; Lilly, K.; Crosta, X.; Golledge, N.R.; Wagner, B.; Berg, S.; van Ommen, T.; Zwart, D.; Roberts, S.J.; Vyverman, W.; Masse, G. 2014** Retreat history of the East Antarctic Ice Sheet since the Last Glacial Maximum. *Quaternary Science Reviews*, 100: 10-30; doi: 10.1016/j.quascirev.2013.07.024

[Top of the Section](#)

Manikandan, E.; Kavitha, G.; Kennedy, J.V. 2014 Epitaxial zinc oxide, graphene oxide composite thin-films by laser technique for micro-Raman and enhanced field emission study. *Ceramics International*, 40(10A): 16065-16070; doi: 10.1016/j.ceramint.2014.07.129

Marden, M.; Betts, H.; Palmer, A.; Taylor, R.; Bilderback, E.; Litchfield, N.J. 2014 Post-Last Glacial Maximum fluvial incision and sediment generation in the unglaciated Waipaoa catchment, North Island, New Zealand. *Geomorphology*, 214: 283-306; doi: 10.1016/j.geomorph.2014.02.012

Markwitz, A.; Mohr, B.; Carpeno, D.F.; Hubner, R. 2014 Ultra-smooth diamond-like carbon coatings with high elasticity deposited at low temperature by direct ion beam deposition. *Surface and coatings technology*, 258: 956-962; doi: 10.1016/j.surfcoat.2014.07.049 (7 p.)

Markwitz, A.; Mohr, B.; Leveneur, J. 2014 Room temperature diamond-like carbon coatings produced by low energy ion implantation. *Nuclear instruments & methods in physics research. Section B, Beam interactions with materials and atoms*, 331: 144-148; doi: 10.1016/j.nimb.2013.11.026

Marsaglia, K.M.; Mortimer, N.; Bender-Whitaker, C.; Marden, M.; Mazengarb, C. 2014 Ophioliticlastic Ihungia igneous conglomerate (Early Miocene), North Island, New Zealand : evidence for an island source related to subduction initiation and deposition within a slump-generated submarine slope re-entrant. *New Zealand Journal of Geology and Geophysics*, 57(2): 219-235; doi: 10.1080/00288306.2014.898665

Marsh, O.J.; Rack, W.; Golledge, N.R.; Lawson, W.; Floricioiu, D. 2014 Grounding-zone ice thickness from InSAR: inverse modelling of tidal elastic bending. *Journal of glaciology*, 60(221): 526-536; doi: 10.3189/2014JoG13J033

Martin, A.P.; Cooper, A.F.; Price, A.C. 2014 Increased mantle heat flow with on-going rifting of the West Antarctic rift system inferred from characterisation of plagioclase peridotite in the shallow Antarctic mantle. *Lithos*, 190-191: 173-190; doi: 10.1016/j.lithos.2013.12.012

Martin, A.P.; Price, R.C.; Cooper, A.F. 2014 Constraints on the composition, source and petrogenesis of plagioclase-bearing mantle peridotite. *Earth-Science Reviews*, 138: 89-101; doi: 10.1016/j.earscirev.2014.08.006

Massaferro, J.; Larocque-Tobler, I.; Brooks, S.J.; Vandergoes, M.J.; Dieffenbacher-Krall, A.; Moreno, P. 2014 Quantifying climate change in Huelmo mire (Chile, Northwestern Patagonia) during the Last Glacial Termination using a newly developed chironomid-based temperature model. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 399: 214-224; doi: 10.1016/j.palaeo.2014.01.013

Massey, C.I.; McSaveney, M.J.; Taig, T.; Richards, L.; Litchfield, N.J.; Rhoades, D.A.; McVerry, G.H.; Lukovic, B.; Heron, D.W.; Ries, W.; Van Dissen, R.J. 2014 Determining rockfall risk in Christchurch using rockfalls triggered by the 2010-2011 Canterbury earthquake sequence, New Zealand. *Earthquake Spectra*, 30(1): 155-181; doi: 10.1193/021413EQS026M

Matsuzaki, K.M.; Nishi, H.; Suzuki, N.; Cortese, G.; Eynaud, F.; Takashima, R.; Kawate, Y.; Sakai, T. 2014 Paleooceanographic history of the Northwest Pacific Ocean over the past 740 kyr, discerned from radiolarian fauna. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 396: 26-40; doi: 10.1016/j.palaeo.2013.12.036

[Top of the Section](#)

- Mazot, A.; Schwandner, F.M.; Christenson, B.W.; de Ronde, C.E.J.; Inguaggiato, S.; Scott, B.J.; Graham, D.J.; Britten, K.M.; Keeman, J.; Tan, K. 2014** CO₂ discharge from the bottom of volcanic Lake Rotomahana, New Zealand. *Geochemistry Geophysics Geosystems*, 15(3): 577-588; doi: 10.1002/2013GC004945
- McCann, D.M.; Williams, G.V.M.; Hyndman, A.; Stephen, J.; Kennedy, J.V. 2014** Large magnetoresistance in a permalloy/Ba₂FeMoO₆ sputtered film. *Physica. B, Condensed Matter*, 436: 126-129; doi: 10.1016/j.physb.2013.12.008
- McCoy-West, A.J.; Mortimer, N.; Ireland, T.R. 2014** U–Pb geochronology of Permian plutonic rocks, Longwood Range, New Zealand : implications for Median Batholith-Brook Street Terrane relations. *New Zealand Journal of Geology and Geophysics*, 57(1): 65-85; doi: 10.1080/00288306.2013.869235
- Menzies, C.D.; Teagle, D.A.H.; Craw, D.; Cox, S.C.; Boyce, A.J.; Barrie, C.D.; Roberts, S. 2014** Incursion of meteoric waters into the ductile regime in an active orogen. *Earth and Planetary Science Letters*, 399: 1-13; doi: 10.1016/j.epsl.2014.04.046
- Mildenhall, D.C.; Kennedy, E.M.; Lee, D.E.; Kaulfuss, U.; Bannister, J.M.; Fox, B.; Conran, J.G. 2014** Palynology of the early Miocene Foulden Maar, Otago, New Zealand : diversity following destruction. *Review of Palaeobotany and Palynology*, 204: 27-42; doi: 10.1016/j.revpalbo.2014.02.003
- Mildenhall, D.C.; Kennedy, E.M.; Prebble, J.G.; Shepherd, C.L. 2014** A distinctive diporate pollen grain (Apocynaceae?) from the Late Oligocene – Early Miocene of New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(2): 264-268; doi: 10.1080/00288306.2014.902855
- Mildenhall, D.C.; Mortimer, N.; Bassett, K.N.; Kennedy, E.M. 2014** Oligocene paleogeography of New Zealand : maximum marine transgression. *New Zealand Journal of Geology and Geophysics*, 57(2): 107-109; doi: 10.1080/00288306.2014.904387
- Milicich, S.D.; Bardsley, C.; Bignall, G.; Wilson, C.J.N. 2014** 3-D interpretative modelling applied to the geology of the Kawerau geothermal system, Taupo Volcanic Zone, New Zealand. *Geothermics*, 51: 344-350; doi: 10.1016/j.geothermics.2014.03.002
- Miller, C.A.; Jolly, A.D. 2014** A model for developing best practice volcano monitoring : a combined threat assessment, consultation and network effectiveness approach. *Natural hazards*, 71(1): 493-522; doi: 10.1007/s11069-013-0928-z
- Misra, S.; Boutareaud, S.; Burg, J-P. 2014** Rheology of talc sheared at high pressure and temperature : a case study for hot subduction zones. *Tectonophysics*, 610: 51-62; doi: 10.1016/j.tecto.2013.10.009
- Misra, S.; Burg, J-P.; Vigneresse, J-L.; Mainprice, D. 2014** Rheological transition during large strain deformation of melting and crystallizing metapelites. *Journal of Geophysical Research. Solid Earth*, 119(5): 3971-3985; doi: 10.1002/2013JB010777
- Mortimer, N. 2014** Editorial : Publishing your thesis. *New Zealand Journal of Geology and Geophysics*, 57(4): 355-356; doi: 10.1080/00288306.2014.970650
- Mortimer, N. 2014** The oroclinal bend in the South Island, New Zealand. *Journal of Structural Geology*, 64: 32-38; doi: 10.1016/j.jsg.2013.08.011

[Top of the Section](#)

Mortimer, N.; Gans, P.B.; Palin, J.M.; Herzer, R.H.; Pelletier, B.; Monzier, M. 2014 Eocene and Oligocene basins and ridges of the Coral Sea-New Caledonia region : tectonic link between Melanesia, Fiji, and Zealandia. *Tectonics*, 33(7): 1386-1407; doi: 10.1002/2014TC003598

Mortimer, N.; Rattenbury, M.S.; King, P.R.; Bland, K.J.; Barrell, D.J.A.; Bache, F.; Begg, J.G.; Campbell, H.J.; Cox, S.C.; Crampton, J.S.; Edbrooke, S.W.; Forsyth, P.J.; Johnston, M.R.; Jongens, R.; Lee, J.; Leonard, G.S.; Raine, J.I.; Skinner, D.N.B.; Timm, C.; Townsend, D.B.; Tulloch, A.J.; Turnbull, I.M.; Turnbull, R.E. 2014 High-level stratigraphic scheme for New Zealand rocks. *New Zealand Journal of Geology and Geophysics*, 57(4): 402-419; doi: 10.1080/00288306.2014.946062

Mortimer, N.; Strong, D.T. 2014 New Zealand limestone purity. *New Zealand Journal of Geology and Geophysics*, 57(2): 209-218; doi: 10.1080/00288306.2014.901230

Motagh, M.; Beavan, R.J.; Fielding, E.J.; Haghshenas, M. 2014 Postseismic ground deformation following the September 2010 Darfield, New Zealand, earthquake from TerraSAR-X, COSMO-SkyMed, and ALOS InSAR. *IEEE Geoscience and Remote Sensing Letters*, 11(1): 186-190; doi: 10.1109/LGRS.2013.2251858

Mountjoy, J.J.; Micallef, A.; Stevens, C.L.; Stirling, M.W. 2014 Holocene sedimentary activity in a non-terrestrially coupled submarine canyon : Cook Strait Canyon system, New Zealand. *Deep-sea research. Part II, Topical studies in oceanography*, 104: 120-133; doi: 10.1016/j.dsr2.2013.09.001

Mountjoy, J.J.; Pecher, I.A.; Henrys, S.A.; Crutchley, G.J.; Barnes, P.M.; Plaza-Faverola, A. 2014 Shallow methane hydrate system controls ongoing, downslope sediment transport in a low-velocity active submarine landslide complex, Hikurangi Margin, New Zealand. *Geochemistry Geophysics Geosystems*, 15(11): 4137-4156; doi: 10.1002/2014GC005379

Mudge, P.L.; Schipper, L.A.; Baisden, W.T.; Ghani, A.; Lewis R.W. 2014 Changes in soil C, N and $[\delta]^{15}\text{N}$ along three forest-pasture chronosequences in New Zealand. *Soil research*, 52(1): 27-37; doi: 10.1071/SR13183

Murmu, P.P.; Markwitz, A.; Suschke, K.; Futter, R.J. 2014 A novel radial anode layer ion source for inner wall pipe coating and materials modification : hydrogenated diamond-like carbon coatings from butane gas. *Review of scientific instruments*, 85(8): article 085118; doi: 10.1063/1.4892813

N

Nathan, S. 2014 Emplacement of a high-level granitoid complex : the Berlins Porphyry, near Westport, New Zealand. *New Zealand Journal of Geology and Geophysics*, 57(3): 344-350; doi: 10.1080/00288306.2013.877494

Nathan, S. 2014 James Hector and the first geological maps of New Zealand. *Journal of the Royal Society of New Zealand*, 44(2/3): 88-100; doi: 10.1080/03036758.2013.877495

Nathan, S.; Nathan, J.; Burns, R. 2014 Domestic expenditure of the Hector family in the early 1870s. *Tuhinga*, 25: 1-15

Neff, P.D. 2014 A review of the brittle ice zone in polar ice cores. *Annals of Glaciology*, 55(68): 72-82; doi: 10.3189/2014AoG68A023

[Top of the Section](#)

Newton, P.N.; Taberner, P.; Dwivedi, P.; Culzoni, M.J.; Monge, M.E.; Swamidoss, I.; Mildenhall, D.C.; Green, M.D.; Jahnke, R.; de Oliveira, M.d-S.; Simao, J.; White, N.J.; Fernandez, F.M. 2014 Falsified medicines in Africa : all talk, no action. *The Lancet Global Health*, 2(9): e509-e510

Nieuwenhuis, G.; Unsworth, M.J.; Pana, D.; Craven, J.; Bertrand, E.A. 2014 Three-dimensional resistivity structure of Southern Alberta, Canada : implications for Precambrian tectonics. *Geophysical Journal International*, 197(2): 838-859; doi: 10.1093/gji/ggu068

Nieuwoudt, M.K.; Simpson, M.P.; Tobin, M.; Puskar, L. 2014 Synchrotron FTIR microscopy of synthetic and natural CO₂-H₂O fluid inclusions. *Vibrational Spectroscopy*, 75: 136-148; doi: 10.1016/j.vibspec.2014.08.003

O

Oth, A.; Kaiser, A.E. 2014 Stress release and source scaling of the 2010-2011 Canterbury, New Zealand earthquake sequence from spectral inversion of ground motion data. *Pure and Applied Geophysics*, 171(10): 2767-2782; doi: 10.1007/s00024-013-0751-1

Pearson, S.C.P.; Alcaraz, S.; Barber, J. 2014 Numerical simulations to assess thermal potential at Tauranga low-temperature geothermal system, New Zealand. *Hydrogeology journal*, 22(1): 163-174; doi: 10.1007/s10040-013-1076-y

P

Peiffer, L.; Bernard-Romero, R.; Mazot, A.; Taran, Y.A.; Guevara, M.; Santoyo, E. 2014 Fluid geochemistry and soil gas fluxes (CO₂-CH₄-H₂S) at a promissory Hot Dry Rock Geothermal System : the Acoculco caldera, Mexico. *Journal of Volcanology and Geothermal Research*, 284: 122-137; doi: 10.1016/j.jvolgeores.2014.07.019

Plaza-Faverola, A.; Pecher, I.A.; Crutchley, G.; Barnes, P.M.; Bünz, S.; Golding, T.; Klaeschen, D.; Papenberg, C.; Bialas, J. 2014 Submarine gas seepage in a mixed contractional and shear deformation regime : cases from the Hikurangi oblique-subduction margin. *Geochemistry Geophysics Geosystems*, 15(2): 416-433; doi: 10.1002/2013GC005082

Potter, S.H.; Jolly, G.E.; Neall, V.E.; Johnston, D.M.; Scott, B.J. 2014 Communicating the status of volcanic activity : revising New Zealand's volcanic alert level system. *Journal of applied volcanology*, 3(1): article 13 (16 p.); doi: 10.1186/s13617-014-0013-7

Prakash, T.; Williams, G.V.M.; Kennedy, J.V.; Murmu, P.P.; Leveneur, J.; Chong, S.V.; Rubanov, S. 2014 Synthesis and structural, magnetic and magnetotransport properties of permalloy powders containing nanoparticles prepared by arc discharge. *Journal of Alloys and Compounds*, 608: 153-157; doi: 10.1016/j.jallcom.2014.04.111

R

Rabineau, M.; Leroux, E.; Aslanian, D.; Bache, F.; Gorini, C.; Moulin, M.; Molliex, S.; Droz, L.; dos Reis, A.T.; Rubino, J.L.; Guillocheau, F.; Olivet, J.L. 2014 Quantifying subsidence and isostatic readjustment using sedimentary paleomarkers, example from the Gulf of Lion. *Earth and Planetary Science Letters*, 388: 353-366; doi: 10.1016/j.epsl.2013.11.059

[Top of the Section](#)

Rastin, S.J.; Unsworth, C.P.; Gledhill, K.R. 2014 Applying Haar and Mexican hat wavelets to significantly improve the performance of the New Zealand GeoNet *P*-phase picker for the 2008 Matata region swarm. *Bulletin of the Seismological Society of America*, 104(3): 1567-1577; doi: 10.1785/0120130120

Reichgelt, T.; Jones, W.A.; Jones, D.T.; Conran, J.G.; Bannister, J.M.; Kennedy, E.M.; Mildenhall, D.C.; Lee, D.E. 2014 The flora of Double Hill (Dunedin Volcanic Complex, Middle-Late Miocene) Otago, New Zealand. *Journal of the Royal Society of New Zealand*, 44(4): 105-135; doi: 10.1080/03036758.2014.923476

Reyners, M.E.; Eberhart-Phillips, D.; Martin, S. 2014 Prolonged Canterbury earthquake sequence linked to widespread weakening of strong crust. *Nature geoscience*, 7(1): 34-37; doi:10.1038/ngeo2013

Rhoades, D.A.; Gerstenberger, M.C.; Christophersen, A.; Zechar, J.D.; Schorlemmer, D.; Werner, M.J.; Jordan, T.H. 2014 Regional earthquake likelihood models II : information gains of multiplicative hybrids. *Bulletin of the Seismological Society of America*, 104(6): 3072-3083; doi: 10.1785/0120140035

Richardson, J.M.; Fuller, I.C.; Holt, K.A.; Litchfield, N.J.; Macklin, M.G. 2014 Rapid post-settlement floodplain accumulation in Northland, New Zealand. *Catena*, 113: 292-305; doi: 10.1016/j.catena.2013.08.013

Rogers, K.M.; Grainger, M.; Manley-Harris, M. 2014 The unique manuka effect : why New Zealand manuka honey fails the AOAC 998.12 C-4 sugar method. *Journal of agricultural and food chemistry*, 62(12): 2615-2622; doi: 10.1021/jf404767b

Rogers, K.M.; Sim, M.; Stewart, S.; Phillips, A.; Cooper, J.; Douance, C.; Pyne, R.; Rogers, P. 2014 Investigating C-4 sugar contamination of manuka honey and other New Zealand honey varieties using carbon isotopes. *Journal of agricultural and food chemistry*, 62(12): 2605-2614; doi: 10.1021/jf404766f

Rotzien, J.R.; Lowe, D.R.; King, P.R.; Browne, G.H. 2014 Stratigraphic architecture and evolution of a deep-water slope channel-levee and overbank apron : the Upper Miocene Upper Mount Messenger Formation, Taranaki Basin. *Marine and petroleum geology*, 52: 22-41; doi: 10.1016/j.marpetgeo.2014.01.006

S

Sadler, P.M.; Cooper, R.A.; Crampton, J.S. 2014 High-resolution geobiologic time-lines : progress and potential, fifty years after the advent of graphic correlation. *Sedimentary Record*, 12(3): 4-9

Sahoo, T.R.; King, P.R.; Bland, K.J.; Strogon, D.P.; Sykes, R.; Bache, F. 2014 Tectono-sedimentary evolution and source rock distribution of the mid to Late Cretaceous succession in the Great South Basin, New Zealand. *APPEA Journal and Conference Proceedings*, 54: 259-274

Schiller, M.; Dickinson, W.; Zondervan, A.; Ditchburn, R.G.; Wang, N. 2014 Rapid soil accumulation in a frozen landscape. *Geology*, 42(4): 335-338; doi: 10.1130/G35450.1

Schioler, P.; Crampton, J.S. 2014 Dinoflagellate biostratigraphy of the Arowhanan Stage (upper Cenomanian–lower Turonian) in the East Coast Basin, New Zealand. *Cretaceous research*, 48: 205-224; doi: 10.1016/j.cretres.2013.11.011

[Top of the Section](#)

- Schipper, L.A.; Parfitt, R.L.; Fraser, S.; Littler, R.A.; Baisden, W.T.; Ross, C. 2014** Soil order and grazing management effects on changes in soil C and N in New Zealand pastures. *Agriculture, Ecosystems and Environment*, 184: 67-75; doi: 10.1016/j.agee.2013.11.012
- Schmidt, K.; De La Rocha, C.L.; Gallinari, M.; Cortese, G. 2014** Not all calcite ballast is created equal : differing effects of foraminiferan and coccolith calcite on the formation and sinking of aggregates. *Biogeosciences*, 11(1): 135-145; doi:10.5194/bg-11-135-2014
- Schneider, M.; Clements, R.; Rhoades, D.A.; Schorlemmer, D. 2014** Likelihood- and residual-based evaluation of medium-term earthquake forecast models for California. *Geophysical Journal International*, 198(3): 1307-1318; doi: 10.1093/gji/ggu178
- Scott, B.J.; Potter, S.H. 2014** Aspects of historical eruptive activity and volcanic unrest at Mt. Tongariro, New Zealand : 1846–2013. *Journal of Volcanology and Geothermal Research*, 286: 263-276; doi: 10.1016/j.jvolgeores.2014.04.003
- Seebeck, H.; Nicol, A.; Giba, M.; Pettinga, J.; Walsh, J. 2014** Geometry of the subducting Pacific plate since 20 Ma, Hikurangi margin, New Zealand. *Journal of the Geological Society*, 171(1): 131-143; doi: 10.1144/jgs2012-145
- Seebeck, H.; Nicol, A.; Villamor, P.; Ristau, J.; Pettinga, J. 2014** Structure and kinematics of the Taupo Rift, New Zealand. *Tectonics*, 33(6): 1178-1199; doi: 10.1002/2014TC003569
- Seebeck, H.; Nicol, A.; Walsh, J.J.; Childs, C.; Beetham, R.D.; Pettinga, J. 2014** Fluid flow in fault zones from an active rift. *Journal of Structural Geology*, 62: 52-64; doi: 10.1016/j.jsg.2014.01.008
- Sharp, C.E.; Brady, A.L.; Sharp, G.H.; Grasby, S.E.; Stott, M.B.; Dunfield, P.F. 2014** Humboldt's spa : microbial diversity is controlled by temperature in geothermal environments. *The ISME journal*, 8(6): 1166-1174; doi: 10.1038/ismej.2013.237
- Sharp, C.E.; Smirnova, A.V.; Graham, J.M.; Stott, M.B.; Khadka, R.; Moore, T.R.; Grasby, S.E.; Strack, M.; Dunfield, P.F. 2014** Distribution and diversity of *Verrucomicrobia methanotrophs* in geothermal and acidic environments. *Environmental Microbiology*, 16(6): 1867-1878; doi: 10.1111/1462-2920.12454
- Shelley, A.; Savage, M.; Williams, C.A.; Aoki, Y.; Gurevich, B. 2014** Modeling shear wave splitting due to stress-induced anisotropy, with an application to Mount Asama Volcano, Japan. *Journal of Geophysical Research. Solid Earth*, 119(5): 4269-4286; doi: 10.1002/2013JB010817
- Sinclair, K.E.; Bertler, N.A.N.; Bowen, M.M.; Arrigo, K.R. 2014** Twentieth century sea-ice trends in the Ross Sea from a high-resolution, coastal ice-core record. *Geophysical Research Letters*, 41(10): 3510-3516; doi: 10.1002/2014GL059821
- Sirisena, K.A.; Daughney, C.J.; Moreau, M.; Ryan, K.G.; Chambers G.K. 2014** Relationships between molecular bacterial diversity and chemistry of groundwater in the Wairarapa Valley, New Zealand. *New Zealand Journal of Marine and Freshwater Research*, 48(4): 524-539; doi: 10.1080/00288330.2014.923921
- Smillie, R.W.; Turnbull, R.E. 2014** Field and petrographical insight into the formation of orbicular granitoids from the Bonney Pluton, southern Victoria Land, Antarctica. *Geological Magazine*, 151(3): 534-549; doi: 10.1017/S0016756813000484

[Top of the Section](#)

- Stahl, T.; Bilderback, E.L.; Quigley, M.C.; Nobes, D.C.; Massey, C.I. 2014** Coseismic landsliding during the M_w 7.1 Darfield (Canterbury) earthquake : implications for paleoseismic studies of landslides. *Geomorphology*, 214: 114-127; doi: 10.1016/j.geomorph.2014.03.020
- Steady, S.; Gerstenberger, M.C.; Williams, C.A.; Rhoades, D.A.; Christophersen, A. 2014** A new hybrid Coulomb/statistical model for forecasting aftershock rates. *Geophysical Journal International*, 196(2): 918-923; doi: 10.1093/gji/ggt404
- Steady, S.; Jimenez, A.; Holden, C. 2014** Stress triggering and the Canterbury earthquake sequence. *Geophysical Journal International*, 196(1): 473-480; doi: 10.1093/gji/ggt380
- Stevens, G.R. 2014** Record of *Juraphyllites* ex gr. *libertus* (Gemmellaro 1884) from the Ururoan Stage (Early Jurassic, New Zealand) and observations on the paleoenvironmental dynamics of the Ururoan ammonite fauna. *New Zealand Journal of Geology and Geophysics*, 57(4): 432-441; doi: 10.1080/00288306.2014.958503
- Stowell, H.; Odom Parker, K.; Gatewood, M.; Tulloch, A.J.; Koenig, A. 2014** Temporal links between pluton emplacement, garnet granulite metamorphism, partial melting and extensional collapse in the lower crust of a Cretaceous magmatic arc, Fiordland, New Zealand. *Journal of metamorphic geology*, 32(2): 151-175; doi: 10.1111/jmg.12064
- Strelin, J.A.; Kaplan, M.R.; Vandergoes, M.J.; Denton, G.H.; Schaefer, J.M. 2014** Holocene glacier history of the Lago Argentino basin, Southern Patagonian Icefield. *Quaternary Science Reviews*, 101: 124-145; doi: 10.1016/j.quascirev.2014.06.026
- Strogen, D.P.; Bland, K.J.; Nicol, A.; King, P.R. 2014** Paleogeography of the Taranaki Basin region during the latest Eocene-Early Miocene and implications for the 'total drowning' of Zealandia. *New Zealand Journal of Geology and Geophysics*, 57(2): 110-127; doi: 10.1080/00288306.2014.901231
- Stucker, V.K.; Silverman, D.R.; Williams, K.H.; Sharp, J.O.; Ranville, J.F. 2014** Thioarsenic species associated with increased arsenic release during biostimulated subsurface sulfate reduction. *Environmental science & technology*, 48(22): 13367-13375; doi: 10.1021/es5035206
- Suganuma, Y.; Miura, H.; Zondervan, A.; Okuno, J. 2014** East Antarctic deglaciation and the link to global cooling during the Quaternary : evidence from glacial geomorphology and ^{10}Be surface exposure dating of the Sør Rondane Mountains, Dronning Maud Land. *Quaternary Science Reviews*, 97: 102-120; doi: 10.1016/j.quascirev.2014.05.007
- Swedlund, P.J.; Holtkamp, H.; Song, Y.; Daughney, C.J. 2014** Arsenate-ferrihydrite systems from minutes to months : a macroscopic and IR spectroscopic study of an elusive equilibrium. *Environmental science & technology*, 48(5): 2759-2765; doi: 10.1021/es404742c
- Sykes, R.; Volk, H.; George, S.C.; Ahmed, M.; Higgs, K.E.; Johansen, P.E.; Snowdon, L.R. 2014** Marine influence helps preserve the oil potential of coaly source rocks : Eocene Mangahewa Formation, Taranaki Basin, New Zealand. *Organic geochemistry*, 66: 140-163; doi: 10.1016/j.orggeochem.2013.11.005

T

- Tait, D.R.; Erler, D.V.; Santos, I.R.; Cyronak, T.J.; Morgenstern, U.; Eyre, B.D. 2014** The influence of groundwater inputs and age on nutrient dynamics in a coral reef lagoon. *Marine chemistry*, 166: 36-47; doi: 10.1016/j.marchem.2014.08.004

[Top of the Section](#)

The RAISED Consortium; Mackintosh, A.; Golledge, N.R.; Jones, R.S.; McKay, R.M.; Zwartz, D. (et al.) 2014 A community-based geological reconstruction of Antarctic Ice Sheet deglaciation since the Last Glacial Maximum. *Quaternary Science Reviews*, 100: 1-9; doi: 10.1016/j.quascirev.2014.06.025

Timm, C.; Bassett, D.; Graham, I.J.; Leybourne, M.I.; de Ronde, C.E.J.; Woodhead, J.; Layton-Matthews, D.; Watts, A.B. 2014 Erratum : Louisville seamount subduction and its implication on mantle flow beneath the central Tonga-Kermadec arc. *Nature communications*, 5: article 3060; doi: 10.1038/ncomms4060

Timm, C.; Davy, B.W.; Haase, K.; Hoenle, K.; Graham, I.J.; de Ronde, C.E.J.; Woodhead, J.; Bassett, D.; Hauff, F.; Mortimer, N.; Seebeck, H.; Wysoczanski, R.; Caratori-Tontini, F.; Gamble, J. 2014 Subduction of the oceanic Hikurangi Plateau and its impact on the Kermadec arc. *Nature communications*, 5: article number 4923; doi: 10.1038/ncomms5923

Trompeter, W.J.; Davy, P.K.; Barry, B.J.; Kennedy, J.V. 2014 Influence of filter thickness on PESA calibration. *Nuclear instruments & methods in physics research. Section B, Beam interactions with materials and atoms*, 332: 445-448; doi: 10.1016/j.nimb.2014.02.114

Turnbull, J.C.; Keller, E.D.; Baisden, W.T.; Brailsford, G.; Bromley, T.; Norris, M.W.; Zondervan, A. 2014 Atmospheric measurement of point source fossil CO₂ emissions. *Atmospheric chemistry and physics*, 14(10): 50001-5014; doi: 10.5194/acp-14-5001-2014

Turner, R.; Moore, S.; Pardo, N.; Kereszturi, G.; Uddstrom, M.; Hurst, A.W.; Cronin, S. 2014 The use of Numerical Weather Prediction and a Lagrangian transport (NAME-III) and dispersion (ASHFALL) models to explain patterns of observed ash deposition and dispersion following the August 2012 Te Maari, New Zealand eruption. *Journal of Volcanology and Geothermal Research*, 286: 437-451; doi: 10.1016/j.jvolgeores.2014.05.017

Udchachon, M.; Burrett, C.; Thassanapak, H.; Chonglakmani, C.; Campbell, H.J.; Feng, Q. 2014 Depositional setting and paleoenvironment of an alatoconchid-bearing Middle Permian carbonate ramp sequence in the Indochina Terrane. *Journal of Asian Earth Sciences*, 87: 37-55; doi: 10.1016/j.jseaes.2014.02.012

U

Ullmann, C.V.; Campbell, H.J.; Frei, R.; Korte, C. 2014 Geochemical signatures in Late Triassic brachiopods from New Caledonia. *New Zealand Journal of Geology and Geophysics*, 57(4): 420-431; doi: 10.1080/00288306.2014.958175

Uma, S.R.; Dhakal, R.P.; Nayerloo, M. 2014 Evaluation of displacement-based vulnerability assessment methodology using observed damage data from Christchurch. *Earthquake Engineering and Structural Dynamics*, 43(15): 2319-2339; doi: 10.1002/eqe.2450

Upton, P.; Craw, D. 2014 Extension and gold mineralisation in the hanging walls of active convergent continental shear zones. *Journal of Structural Geology*, 64: 135-148; doi: 10.1016/j.jsg.2013.08.004

Upton, P.; Craw, D.; Walcott, R. 2014 Far-field deformation resulting from rheologic differences interacting with tectonic stresses : an example from the Pacific / Australian Plate Boundary in southern New Zealand. *Geosciences*, 4(3): 93-113; doi:10.3390/geosciences4030093

[Top of the Section](#)

Upton, P.; Sutherland, R. 2014 High permeability and low temperature correlates with proximity to brittle failure within mountains at an active tectonic boundary, Manapouri tunnel, Fiordland, New Zealand. *Earth and Planetary Science Letters*, 389: 176-187; doi: 10.1016/j.epsl.2013.12.032

V

Van Houtte, C.; Ktenidou, O-J.; Larkin, T.; Holden, C. 2014 Hard-site K_0 (Kappa) calculations for Christchurch, New Zealand, and comparison with local ground-motion prediction models. *Bulletin of the Seismological Society of America*, 104(4): 1899-1913; doi:10.1785/0120130271

Vanmaercke, M.; Kettner, A.J.; van Den Eeckhaut, M.; Poesen, J.; Mamaliga, A.; Verstraeten, G.; Radoane, M.; Obreja, F.; Upton, P.; Syvitski, J.P.M.; Govers, G. 2014 Moderate seismic activity affects contemporary sediment yields. *Progress in physical geography*, 38(2): 145-172; doi: 10.1177/0309133313516160

W

Wallace, L.M.; Bartlow, N.; Hamling, I.J.; Fry, B. 2014 Quake clamps down on slow slip. *Geophysical Research Letters*, 41(24): 8840-8846; doi: 10.1002/2014GL062367

Wallace, L.M.; Cochran, U.A.; Power, W.L.; Clark, K.J. 2014 Earthquake and tsunami potential of the Hikurangi subduction thrust, New Zealand : insights from paleoseismology, GPS, and tsunami modeling. *Oceanography*, 27(2): 104-117; doi: 10.5670/oceanog.2014.46

Wallace, L.M.; Ellis, S.M.; Little, T.; Trenoning, P.; Palmer, N.G.; Rosa, R.; Stanaway, R.; Oa, J.; Nidkombu, E.; Kwazi, J. 2014 Continental breakup and UHP rock exhumation in action : GPS results from the Woodlark Rift, Papua New Guinea. *Geochemistry Geophysics Geosystems*, 15(11): 4267-4290; doi: 10.1002/2014GC005458

Walsh, K.Q.; Dizhur, D.Y.; Almesfer, N.; Cummiskey, P.A.; Cousins, W.J.; Derakhshan, H.; Griffith, M.C.; Ingham, J.M. 2014 Geometric characterisation and out-of-plane seismic stability of low-rise unreinforced brick masonry buildings in Auckland, New Zealand. *Bulletin of the New Zealand Society for Earthquake Engineering*, 47(2): 139-156

Wei, L.J.; Raine, J.I.; Liu, X.H. 2014 Terrestrial palynomorphs of the Cenozoic Pagodroma Group, northern Prince Charles Mountains, East Antarctica. *Antarctic Science*, 26(1): 69-79; doi: 10.1017/S0954102013000278

Wilson, G.; Wilson, T.M.; Deligne, N.I.; Cole, J.W. 2014 Volcanic hazard impacts to critical infrastructure : a review. *Journal of Volcanology and Geothermal Research*, 286: 148-182; doi: 10.1016/j.jvolgeores.2014.08.030

Wilson, T.M.; Stewart, C.; Wardman, J.B.; Wilson, G.; Johnston, D.M.; Hill, D.; Hampton, S.J.; Villemure, M.; McBride, S.K.; Leonard, G.S.; Daly, M.C.; Deligne, N.I.; Roberts, L. 2014 Volcanic ashfall preparedness poster series : a collaborative process for reducing the vulnerability of critical infrastructure. *Journal of applied volcanology*, 3(10): doi: 10.1186/s13617-014-0010-x

Winton, V.H.L.; Dunbar, G.B.; Bertler, N.A.N.; Millet, M-A.; Delmonte, B.; Atkins, C.B.; Chewings, J.M.; Andersson, P. 2014 The contribution of aeolian sand and dust to iron fertilization of phytoplankton blooms in southwestern Ross Sea, Antarctica. *Global Biogeochemical Cycles*, 28(4): 423-436; doi: 10.1002/2013GB004574

[Top of the Section](#)

Y

Yang, R.; Wu, N.Y.; Yuan, Y.; Su, M.; Qiao, S.H.; Cong, X.R.; Yu, Y.S. 2014 Heat flow calculation based on seismic data. *Advanced Materials Research*, 915/916: 1202-1206

Z

Zhang, S.; Liu, H.; Amarsingh, G.; Cheung, C.C.H.; Hognl, S.; Narayanan, U.; Zhang, L.; McHarg, S.; Xu, J.; Gong, D.; Kennedy, J.V.; Barry, B.J.; Choong, Y.S.; Phillips, A.R.J.; Cooper, G.J.S. 2014 Diabetic cardiomyopathy is associated with defective myocellular copper regulation and both defects are rectified by divalent copper chelation. *Cardiovascular Diabetology*, 13(100): doi: 10.1186/1475-2840-13-100 (18 p.)

[Top of the Document](#)

Peer-Reviewed Conference Papers

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [H](#) [J](#) [K](#) [L](#) [M](#) [N](#) [P](#) [R](#) [S](#) [V](#) [W](#)

A

Ancelet, T.; Davy, P.K.; Trompetter, W.J. 2014 Hourly concentrations of arsenic associated with particulate matter. p. 75-76 In: Litter, M.I.; Nicolli, H.B.; Meichtry, M.; Quici, N.; Bundschuh, J.; Bhattacharya, P.; Naidu, R. *One century of the discovery of arsenicosis in Latin America (1914-2014), As 2014 : proceedings of the 5th International Congress on Arsenic in the Environment.*

B

Berndt, C.; Crutchley, G.J.; Klaucke, I.; Jegen, M.; Lebas, E.; Muff, S.; Lieser, K.; Roth, T.; Chi, W-C.; Feseker, T.; Lin, S.; Liu, C-S.; Chen, L.; Hsu, H-H. 2014 Geological controls on the gas hydrate system of Formosa Ridge, South China Sea. article 6964481 In: *Oceans 2014, Taipei, 7-10 April 2014.* Institute of Electrical and Electronics Engineers.

Bertrand, E.A.; Nate, L.; Caldwell, T.G.; Newman, G.A.; Gasperikova, E. 2014 3-D resistivity inversion models of MT array data in the Taupo Volcanic Zone, New Zealand. 8 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Bocchini, G.M.; Pomonis, A.; So, E.; King, A.B.; Giovanazzi, S. 2014 The GEM earthquake consequences database and New Zealand's contributions. paper no. O35 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Brathwaite, R.L. 2014 Early (1897-1924) geological investigations at the Waihi gold-silver mines. p. 79-86 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Brathwaite, R.L.; Christie, A.B. 2014 Titanomagnetite provenance in the ironsands on the west coast of the North Island of New Zealand. p. 87-94 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Bromley, C.J. 2014 New Zealand geothermal progress : celebrating success through the test of time. 5 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Bromley, C.J. 2014 Seismicity and subsidence : examples of observed geothermal deformation synergies from New Zealand. 7 p. In: *Proceedings, Thirty Ninth Workshop Geothermal Reservoir Engineering, February 24-26, 2014.* Stanford, Calif.: Stanford University. Stanford Geothermal Program Workshop report SGP-TR-202

[Top of the Section](#)

Brower, A.; Johnston, D.M. 2014 Costs and effects : the health costs of the 22 February 2011 earthquake. paper no. O34 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Bubendorfer, A.J.; Ingham, B.; Kennedy, J.V.; Arnold, W.M. 2014 Origin of electrokinetic variability in microfluidic devices cast on SU-8 epoxy. 6 p. In: *Proceedings of the 2014 ESA Annual Meeting on Electrostatics, June 17-19, 2014, University of Notre Dame, IN.* Electrostatics Society of America.

Buxton, R.; McVerry, G.H.; Goded, T. 2014 Ground motion maps based on recorded motions for the earthquakes in the Canterbury earthquake sequence. paper 103 In: *ASEC 2014 Conference : structural engineering in Australasia : World standard.*

C

Cattell, H.; Cole, J.; Bignall, G.; Sepulveda, F. 2014 Huka Group geological characterisation and interpretation, Wairakei-Tauhara geothermal field, Taupo. 6 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Chi, W-C.; Lin, Y-S.; Berndt, C.; Wu, S-K.; Crutchley, G.J.; Chen, L.; Liu, C-S.; Shyu, C-T.; Chiang, H-T.; Lin, S.; Han, W-C.; Hsu, H-H.; Peng, Y-S.; Wang, Y. 2014 Processes affecting the depth of the gas hydrate stability zone in the accretionary prism offshore Taiwan. article 6964594 In: *Oceans 2014, Taipei, 7-10 April 2014.* Institute of Electrical and Electronics Engineers.

Christie, A.B.; Barker, R.G. 2014 Mineral resources of the Waikato region, New Zealand. p. 117-128 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Christie, A.B.; Dunn, C.E. 2014 Biogeochemical orientation surveys, Luck at Last Au-Ag prospect, Hauraki Goldfield. p. 129-138 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Christophersen, A.; Rhoades, D.A.; Van Dissen, R.J.; Mueller, C.; Stirling, M.W.; McVerry, G.H.; Gerstenberger, M.C. 2014 Time-varying and long-term mean aftershock hazard in Wellington. paper no. O52 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Craw, D.; Upton, P. 2014 Role(s) of graphite in orogenic gold deposit formation. p. 163-170 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

[Top of the Section](#)

D

Dashkevich, Y.G.; Mountain, B.W.; Seward, T.M.; Winick, J.A. 2014 Temperature stability of 1,5-naphthalene disulfonate at simulated geothermal conditions. 5 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

Davy, P.K.; Ancelet, T.; Trompetter, W.J.; Markwitz, A. 2014 Arsenic and air pollution in New Zealand. p. 394-395 In: Litter, M.I.; Nicolli, H.B.; Meichtry, M.; Quici, N.; Bundschuh, J.; Bhattacharya, P.; Naidu, R. *One century of the discovery of arsenicosis in Latin America (1914-2014), As 2014 : proceedings of the 5th International Congress on Arsenic in the Environment*. Arsenic in the environment. Proceedings

Dean, A.; Bixley, P.; Lim, Y.W.; Mroczek, E.K. 2014 Effects of reinjection at Wairakei Geothermal Field. paper no. 66 In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

Durance, P.M.J.; Jowitt, S.M.; Bush, K.H. 2014 Mineralisation at the Kalpini gold deposits, Eastern Goldfields, Western Australia, resolved using pXRF, whole rock geochemistry and magnetic susceptibility data. p. 221-229 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014*. Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

E

Engl, D.A.; Massey, C.I.; McSaveney, M.J. 2014 CrEAM modelling of groundwater-triggered landslide acceleration at the Utiku landslide (New Zealand). paper 96 (p. 583-5870); doi: 10.1007/978-3-319-09057-3_96 In: Lollino, G.; Giordan, D.; Crosta, G.B.; Corominas, J.; Azzam, R.; Wasowski, J.; Sciarra, N. (eds) *Engineering geology for society and territory. Volume 2, Landslide processes*. Cham: Springer. International Association for Engineering Geology and the Environment. Congress (12th : 2014 : Turin, Italy)

F

Furst, S.; Hurst, A.W.; Scott, B.J. 2014 Variations of the Inferno Crater Lake cycles, insights from new data. 6 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

H

Harvey, M.C.; Britten, K.; Schwendenmann, L. 2014 A review of approaches to distinguish between biological and geothermal soil diffusion CO₂ flux. paper no. 83 In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

Harvey, M.C.; Pearson, S.C.P.; Alexander, K.B.; Rowland, J.; White, P. 2014 Unmanned aerial vehicles (UAV) for cost effective aerial orthophotos and digital surface models (DSM). In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

[Top of the Section](#)

Heise, W.; Bertrand, E.A.; Caldwell, T.G.; Hill, G.J.; Palmer, N.G.; Bennie, S.L. 2014 2-D magnetotelluric imaging of the Rotorua and Waimangu geothermal fields. 2 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

Holden, C.; Kaiser, A.E.; Gerstenberger, M.C. 2014 Time-dependent hazard for Canterbury, New Zealand and modeling of expected ground motions. In: *Proceedings, 10th U.S. National Conference on Earthquake Engineering : frontiers of earthquake engineering, July 21-25, 2014, Anchorage, Alaska*. Earthquake Engineering Research Institute.

Holden, C.; Kaiser, A.E.; Massey, C.I. 2014 Observations and analysis of topographic effects in the seismic response of the Port Hills following the 2011 Christchurch earthquake. 10 p.; doi: 4231/D3P843W7W In: *Proceedings, 10th U.S. National Conference on Earthquake Engineering : frontiers of earthquake engineering, July 21-25, 2014, Anchorage, Alaska*. Earthquake Engineering Research Institute.

J

Johnston, D.M.; Johnson, V.; Becker, J.S.; Leonard, G.S.; Fraser, S.A.; Saunders, W.S.A.; Wright, K.C.; Paton, D.; Gregg, C.; Houghton, B.; Schelling, J.; Nelson, D.; Crawford, G.; Walker, B.; Wood, N. 2014 Evaluating tsunami education in coastal Washington, USA : a 2001-2012 review. 6 p.; doi: 10.4231/D3R785P89 In: *Proceedings, 10th U.S. National Conference on Earthquake Engineering : frontiers of earthquake engineering, July 21-25, 2014, Anchorage, Alaska*. Earthquake Engineering Research Institute.

Johnston, D.M.; Saunders, W.S.A.; Leonard, G.S.; Beban, J.G.; Wright, K.C.; Fraser, S.A. 2014 History of tsunami planning in New Zealand, 1960 to the present. p. 361-371 In: Gjerde, M.; Petrovic, E. (eds) *UHPH_14 : landscapes and ecologies of urban and planning history : proceedings of the 12th Australasian Urban History / Planning History Conference*. Australasian Urban History / Planning History Group; Victoria University of Wellington.

K

Kennedy, J.V.; Leveneur, J.; Turner, J.; Futter, R.J.; Williams, G.V.M. 2014 Applications of nanoparticle-based fluxgate magnetometers for positioning and location. p. 228-232 In: *2014 IEEE Sensors Applications Symposium (SAS 2014) proceedings*. Piscataway, NJ: IEEE.

Kissling, W.M. 2014 A testbed for a new-generation geothermal simulator. 8 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand*. Auckland, N.Z.: University of Auckland.

Kroeger, K.F.; Sykes, R. 2014 Unravelling the evolution of a complex petroleum system using 3D basin modelling and geochemical analysis (Kupe-Kapuni region, SE Taranaki Basin). 8 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

L

Lin, S-L.; King, A.B.; Matcham, I. 2014 Exposure data development framework : Real-time Individual Asset Attribute Collection Tool (RiACT), inventory repository & asset repository web portal. paper no. O36 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland*. New Zealand Society for Earthquake Engineering.

[Top of the Section](#)

Lin, S.-L.; Uma, S.R.; Nayyerloo, M.; Buxton, R.; King, A.B. 2014 Engineering characterisation of building performance with detailed engineering evaluation (DEE) data from the Canterbury Earthquake Sequence. paper 112 In: *ASEC 2014 Conference : structural engineering in Australasia : World standard.*

Lindsey, N.J.; Bertrand, E.A.; Caldwell, T.G.; Gasperikova, E.; Newman, G.A. 2014 Imaging the roots of high-temperature geothermal systems using MT : results from the Taupo Volcanic Zone, New Zealand. p. 527-532 In: *Geothermal Resources Council Annual Meeting (GRC 2014) : geothermal : a global solution : Portland, Oregon, USA, 28 September - 1 October 2014.* Red Hook, NY: Curran. Transactions / Geothermal Resources Council 38

M

Martin, A.P.; Mortimer, N.; Cox, S.C. 2014 Application of airborne and field geophysics to redefine geology of Otago Schist. p. 353-361 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Martin, A.P.; Turnbull, R.E.; Rattenbury, M.S.; Strong, D.T.; Rieger, P. 2014 The southern South Island geochemical baseline soil survey : a progress report. p. 363-369 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Massey, C.I.; McSaveney, M.J.; Richards, L. 2014 Characteristics of some rockfalls triggered by the 2010/2011 Canterbury earthquake sequence, New Zealand. paper 344 (p. 1943-1948); doi: 10.1007/978-3-319-09057-3_344 In: Lollino, G.; Giordan, D.; Crosta, G.B.; Corominas, J.; Azzam, R.; Wasowski, J.; Sciarra, N. (eds) *Engineering geology for society and territory. Volume 2, Landslide processes.* Cham: Springer.

Massiot, C.; McNamara, D.D.; Nicol, A.; Archibald, G.C.; Townend, J. 2014 Fractures in an andesite lava flow at Mt Ruapehu and its implications for fracture modelling in the Rotokawa geothermal reservoir, New Zealand. 17 p. In: *34th gOcad Meeting, September 16-19 2014, 25th anniversary : Technical Meeting : proceedings.* Nancy, France: Association Scientifique pour la Geologie et ses Applications.

Mauriohooho, K.; Barker, S.L.L.; Rae, A.J.; Simpson, M.P. 2014 Hydrothermal alteration and whole rock geochemistry of the Tauhara Geothermal Field : traditional versus rapid techniques. 8 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Mauriohooho, K.; Barker, S.L.L.; Rae, A.J.; Simpson, M.P. 2014 Hydrothermal alteration of the Tauhara Geothermal Field, an active hydrothermal system. p. 371-381 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

[Top of the Section](#)

Mazot, A.; Rae, A.J.; Jentsch, A. 2014 Detecting diffuse CO₂ emissions along the Ngapouri Fault using a tunable diode laser. 6 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

McNamara, D.D.; Faulkner, D.; McCarney, E. 2014 Rock Properties of Greywacke Basement Hosting Geothermal Reservoirs, New Zealand : preliminary results. 10 p. In: *Proceedings, Thirty Ninth Workshop Geothermal Reservoir Engineering, February 24-26, 2014.* Stanford, Calif.: Stanford University. Stanford Geothermal Program Workshop report SGP-TR-202

McVerry, G.H.; Holden, C. 2014 Incorporating simulated Hikurangi subduction interface spectra into probabilistic hazard calculations for Wellington. paper no. O54 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Mieler, D.H.; Uma, S.R. 2014 What becomes of research? : Improving translation of earthquake engineering research to practice and policy. paper no. O31 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Mieler, M.W.; Uma, S.R. 2014 A community-centric approach for developing seismic performance targets for buildings and lifelines. paper no. O32 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

Mielke, P.; Bignall, G.; Sass, I. 2014 Predicting the effect of hydrothermal alteration on rock properties. 7 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Milicich, S.D.; Chambefort, I.S.; Bignall, G.; Clark, J. 2014 Overprinting hydrothermal systems in the Taupo Volcanic Zone. p. 511-516 In: *Geothermal Resources Council Annual Meeting (GRC 2014) : geothermal : a global solution : Portland, Oregon, USA, 28 September - 1 October 2014.* Red Hook, NY: Curran. Transactions / Geothermal Resources Council 38

Mortimer, N.; Palin, J.M.; Wopereis, P. 2014 Determining sources of placer minerals using U-Pb ages of detrital zircons : example of auriferous quartz pebble conglomerates in Otago and Southland, New Zealand. p. 431-438 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

N

Neely, D.; Johnston, D.M.; Saunders, W.S.A.; Becker, J.S. 2014 Pre-disaster recovery framework (PDRF) for Wellington, New Zealand. 4 p. In: *Third International Conference on Urban Disaster Reduction : Sustainable disaster recovery : addressing risk and uncertainty, September 28-October 1, 2014, Boulder, Colorado, USA.* Oakland, Calif.: Earthquake Engineering Research Institute.

[Top of the Section](#)

P

Pierepiekarz, M.R.; Johnston, D.M.; Berryman, K.R.; Hare, J.; Gomberg, J.; Williams, R.; Weaver, C.S. 2014 Lessons from the 2010-2011 earthquake sequence in Canterbury, New Zealand. 10 p.; doi: 10.4231/D3VQ2SB2V In: *Proceedings, 10th U.S. National Conference on Earthquake Engineering : frontiers of earthquake engineering, July 21-25, 2014, Anchorage, Alaska.* Earthquake Engineering Research Institute.

Pogacnik, J.; McNamara, D.D.; O'Sullivan, M.; O'Sullivan, J. 2014 A damage mechanics approach to modeling failure in greywacke rock. 5 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Prieto, A.M.; Mielke, P.; Archer, R.; Sneider J.S.; Misra, S. 2014 Rock typing in geothermal reservoirs, challenging the complexity. 8 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

R

Rattenbury, M.S. 2014 Geological interpretation of West Coast aeromagnetic data. p. 505-514 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Read, S.A.L.; Richards, L.R. 2014 Correlation of direct and indirect tensile tests for use in the Hoek-Brown constant m_i . p. 161-166 In: *Rock engineering and rock mechanics : structures in and on rock masses : Proceedings of EUROCK 2014, ISRM European Regional Symposium.* Boca Raton, Fla.: CRC Press.

Reeves, R.R.; Alcaraz, S.A.; Robson, B. 2014 Mapping thermal features of the Rotorua Geothermal Field using aerial thermal infrared photography : 1988 vs 2014. 5 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

S

Saunders, W.S.A.; Beban, J.G. 2014 Lessons learned or still learning? : a historical overview of how planning for natural hazards in New Zealand has influenced urban development. p. 729-748 In: Gjerde, M.; Petrovic, E. (eds) *UHPH_14 : landscapes and ecologies of urban and planning history : proceedings of the 12th Australasian Urban History / Planning History Conference.* Australasian Urban History / Planning History Group; Victoria University of Wellington.

Sepulveda, F.R.; Siega, C.; Bixley, P.F.; Mannington, W.I.; Milloy, S.F.; Soengkono, S.; Andrews, J. 2014 Wairakei Geothermal Field boundary : insights from recent geophysics and reservoir information. 9 p. In: *Proceedings, Thirty Ninth Workshop Geothermal Reservoir Engineering, February 24-26, 2014.* Stanford, Calif.: Stanford University. Stanford Geothermal Program Workshop report SGP-TR-202

Seward, A.M.; Prieto, A.M.; Graham, D.J. 2014 Modern heat flow estimates of Whakarewarewa geothermal valley, Rotorua. paper no. 87 In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

[Top of the Section](#)

Shome, N.; Luco, N.; Gerstenberger, M.C.; Boyd, O.; Field, N.; Leil, A.; van de Lindt, J.W. 2014 Aftershock risks such as those demonstrated by the recent events in New Zealand and Japan. 11 p.; doi: 10.4231/D3WM13V07 In: *Proceedings, 10th U.S. National Conference on Earthquake Engineering : frontiers of earthquake engineering, July 21-25, 2014, Anchorage, Alaska.* Earthquake Engineering Research Institute.

Simpson, M.P.; Chambefort, I.S. 2014 Epithermal Au-Ag deposits of the Hauraki Goldfield and geothermal fields of the Taupo Volcanic Zone, New Zealand : are they analogous?. p. 533-544 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014.* Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Simpson, M.P.; Rosenberg, M.D.; Rae, A.J.; Bignall, G.; Mountain, B.W.; Graham, D.J.; Chappell, D.A. 2014 Insight into the 2005 hydrothermal eruption at South Orakonui, Ngatamariki Geothermal Field, New Zealand from calcite microthermometry. paper number 78 In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

Soengkono, S. 2014 3D imaging of high resolution airborne magnetic data over Mokai Geothermal Field, New Zealand. 7 p. In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

V

Valagussa, A.; Crosta, G.B.; Frattini, P.; Zenoni, S.; Massey, C.I. 2014 Rockfall runout simulation fine-tuning in Christchurch, New Zealand. paper 339 (p. 1913-1917); doi: 10.1007/978-3-319-09057-3_339 In: Lollino, G.; Giordan, D.; Crosta, G.B.; Corominas, J.; Azzam, R.; Wasowski, J.; Sciarra, N. (eds) *Engineering geology for society and territory. Volume 2, Landslide processes.* Cham: Springer.

Van Houtte, C.J.; Larkin, T.J.; Holden, C. 2014 Regional kappa (k) scaling of New Zealand rock GMPEs. paper no. O50 In: *Towards integrated seismic design : New Zealand Society for Earthquake Engineering 2014 Technical Conference and AGM, 21-23 March 2014, Aotea Centre, Auckland.* New Zealand Society for Earthquake Engineering.

W

Weir, G.; Burnell, J.G. 2014 Analysing tracer returns from geothermal reservoirs. paper no. 63 In: *Proceedings 36th New Zealand Geothermal Workshop, 24 - 26 November 2014, Auckland, New Zealand.* Auckland, N.Z.: University of Auckland.

[Top of the Document](#)

Peer-Reviewed Books and Chapters

Lee, K.C.Y.; Dunfield, P.F.; Stott, M.B. 2014 The Phylum Armatimonadetes. p. 447-458; doi: 10.1007/978-3-642-38954-2_388 In: Rosenberg, E. (editor-in-chief) *The prokaryotes : other major lineages of bacteria and the archaea*. 4th ed. Berlin: Springer.

Mortimer, N.; Campbell, H.J. 2014 Zealandia : our continent revealed. Auckland, NZ: Penguin. 271 p.

Nathan, S. 2014 Research institutions. web page In: *Te ara : the encyclopedia of New Zealand*. Wellington: Ministry for Culture and Heritage.

Percival, I.G.; Zhen, Y.Y.; Simes, J.E.; Cooper, R.A. 2014 Furongian (late Cambrian) brachiopods and associated conodonts from the Takaka Terrane in the Springs Junction – Maruia area, South Island, New Zealand. p. 55-70 In: Laurie, J.R.; (ed) *Cambro-Ordovician studies V. Memoir / Association of Australasian Palaeontologists* 45

Pojeta Jr., J.; Simes, J.E.; Cooper, R.A. 2014 New Zealand Cambrian and Ordovician micromolluscs. p. 1-16 In: Laurie, J.R.; (ed) *Cambro-Ordovician studies V. Memoir / Association of Australasian Palaeontologists* 45

Poutasi, N.; Daly, M.C.; Kohlhase, J.; Nelson, F. 2014 Coastal hazards planning : the 2009 tsunami and lessons learned for climate change adaptation in Samoa. p. 315-338; doi: 10.1007/978-94-017-8631-7_13 In: Glavovic, B.C.; Smith, G.P. (eds) *Adapting to climate change : lessons from natural hazards planning*. Springer. Environmental hazards

Stirling, M.W. 2014 The continued utility of probabilistic seismic-hazard assessment. p. 359-376; doi: 10.1016/B978-0-12-394848-9.00013-4 In: Shroder, J.F.; Wyss, M. (eds) *Earthquake hazard, risk, and disasters*. Amsterdam: Elsevier.

Upton, P.; Craw, D. 2014 Modelling of structural and lithological controls on mobility of fluids and gold in orogenic belts, New Zealand. p. 231-253; doi 10.1144/SP402.1 In: Garofalo, P.S.; Ridley, J.R. (eds) *Gold-transporting in hydrothermal fluids in the earth's crust*. London: Geological Society. Geological Society of London special publication 402

[Top of the Document](#)

Other Publications

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [P](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#)

A

Atkinson, F.; Seward, A. 2014 Borehole temperature array : installation at the Ruakura climate station site. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/01*. 14 p.

Auer, A.; Mortimer, N. 2014 Analyses of chromian spinels from New Zealand peridotites. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/19*. 17 p.

B

Bache, F.; Sutherland, R.; Mortimer, N.; Browne, G.H.; Lawrence, M.J.F.; Black, J.A.; Flowers, M.; Rouillard, P.; Pallentin, A.; Woelz, S.; Wilcox, S.; Hines, B.; Jury, S.; Roop, H. 2014 Tangaroa TAN1312 Voyage Report : dredging Reinga and Aotea basins to constrain seismic stratigraphy and petroleum systems (DRASP), NW New Zealand. *GNS Science report 2014/05*. 136 p. + 1 CD

Barker, R.G.; Christie, A.B. 2014 Exploration for epithermal gold-silver deposits in the Hauraki Goldfield, North Island, New Zealand. *AusIMM bulletin, 4 (Aug 2014)*: 38-42

Beaupre, A.; DeMarco, M.; Dutra, T.; Gogichaisvili, A.; Haley, D.; Hyman, A.; Calvetti, N.K.; Potter, J.; Coomer, M.A.; King, A.B.; Goded, T.; Wright, K.C. 2014 Life safety vs. preservation on community and heritage buildings in the Wellington region. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/14*. 64 p.

Beban, J.G.; Cousins, W.J.; Mason, K.M.; Parnell, A. 2014 Potential for ground water bores to meet Lower Hutt's emergency water needs after large earthquakes. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/61*. 41 p.

Behr, Y.; Cauzzi, C.; Clinton, J.F.; Comoglu, M.; Erlendsson, P.; Jonsdottir, K.; Marmureanu, A.; Paraskevopoulos, P.; Pinar, A.; Salichon, J.; Sokos, E. 2014 Earthquake early warning capabilities of regional seismic networks. 1 poster In: *3rd International Conference on Earthquake Early Warning : implementing earthquake alerts*. Berkeley, Calif.: University of California.

Bertler, N.A.N. 2014 Stable isotope analysis in ice core paleoclimatology. 14 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre*. Lower Hutt, NZ: GNS Science.

Black, J.; Wood, R.A. 2014 Analysis of New Zealand's trawl grounds for key middle depths and deepwater tier 1 fisheries. Wellington, NZ: Ministry for Primary Industries. *New Zealand aquatic environment and biodiversity report 122*. 35 p.

Bromley, C.J. 2014 Environmental research helps enable rapid growth of geothermal generation. PowerPoint presentation In: *JOGMEC International Geothermal Conference, October 14, 2014, Keio Plaza Hotel, Tokyo*. Tokyo, Japan: Japan Oil, Gas and Metals National Corporation (JOGMEC).

Bromley, C.J. 2014 Hochstetter Lecture : New Zealand's renewable geothermal resources. Geoscience Society of New Zealand. Web page

[Top of the Section](#)

Bromley, C.J. 2014 Hochstetter Lecture, supplementary lecture : Science meets geothermal policy : deployment and conservation in the Taupo Volcanic Zone. Geoscience Society of New Zealand. Web page

[Top of the Document](#)

Browne, A.; Nicholson, H.; Mason, J.; Nathan, S. (compilers) 2014 Remembering Alan Mason. *Journal of the Historical Studies Group / Geological Society of New Zealand*, 48: 2-10

Browne, G.H.; Boyes, A.F.; Strogon, D.P.; Griffin, A.G.; Kennedy, E.M.; Raine, J.I. 2014 A digital database for the Farewell Formation : a new product from GNS Science. 1 poster In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Bull, S.; Kroeger, K.F.; Hill, M.G.; Zhu, H.; Sahoo, T.; Arnot, M.J.; Reilly, C. 2014 Towards a 4D Taranaki digital atlas : a new interpretation of the southern Taranaki Basin. 20 ppt. slides In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Buxton, R.; Pringle, R.J. 2014 The development of a proof-of-concept, agent-based interdependencies model. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/60*. 17 p.

Buxton, R.; Wright, K.C.; Daly, M.C.; Timar, L.; Mieler, D. 2014 Single infrastructure failures : capturing outage information for MERIT *Modelling the Economics of Resilient Infrastructure Tool*. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/22*. 56 p.

Buxton, R.; Wright, K.C.; Daly, M.C.; Timar, L.; Mieler, D.H. 2014 Single infrastructure failures : capturing outage information for MERIT *Modelling the Economics of Resilient Infrastructure Tool*. Lower Hutt, N.Z.: GNS Science. *ERI research report 2014/01*. 56 p.

C

Chapman, N.; Berryman, K.R.; Epstein, W.; Kato, H.; Litchfield, N.J.; Okumura, K. 2014 Evaluation of faults near the Tsuruga Nuclear Power Plant : Third Party Review Meeting and International Review Group summary of independent findings of the 2nd review, June 3rd-5th 2014. Japan Atomic Power Company. 10 p.

Christie, A.B. 2014 A review of advanced instrumental drill core logging techniques in mineral exploration. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/58*. 30 p.

Christie, A.B.; Rattenbury, M.S.; Barker, R.G.; Stagpoole, V.M. 2014 Recommendations for new Government-funded airborne geophysical surveys. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/56*. 22 p.

Clark, K.J.; Cochran, U.A.; Howarth, J.D.; Villamor, P.; Langridge, R.M.; Vandergoes, M.J.; Berryman, K.R. 2014 Recent stratigraphy of the John O'Groats Wetland, Fiordland. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/09*. 101 p.

Climo, M.; Lind, L.; Carey, B.S.; Bendall, S. 2014 The rise and rise of geothermal heat pumps in New Zealand. *IPENZ Transactions*, 41: 7 p.

Coomer, M.A.; Hudson-Doyle, E.E.; Johnston, D.M.; Becker, J.S.; Fraser, S.A.; Johal, S.; Leonard, G.S.; Potter, S.H.; McClure, J.; Wright, K.C. 2014 Cook Strait earthquakes : survey on reactions of Wellington residents to the Cook Strait earthquake sequence. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/41*. 56 p. + appendix

[Top of the Section](#)

OTHER PUBLICATIONS

Cortese, G.; Prebble, J.G.; Hollis, C.J. 2014 Paleoenvironmental reconstruction using marine microfossils. 7 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre*. Lower Hutt, NZ: GNS Science.

Cousins, W.J.; Nayerloo, M.; Van Dissen, R.J. 2014 Estimated earthquake and tsunami losses from large earthquakes affecting Wellington Region. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/42*. 110 p.

Cox, S.C.; Rattenbury, M.S.; McSaveney, M.J.; Hamling, I.J. 2014 Activity of the landslide Te Horo and Te Koroka fan, Dart River, New Zealand during January 2014. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/07*. 45 p.

Coyle, F.J. 2014 "Taking care of our waste" : Kaitiakitanga and the hypothetical siting of a carbon capture and storage (CCS) facility in Taranaki. PowerPoint presentation

Coyle, F.J. 2014 Architects, engineers and energy managers perceptions of low temperature geothermal and biomass energy technologies : barriers to uptake and their potential solutions. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/12*. 116 p.

Coyle, F.J.; McBride, S.K.; Wright, K.C.; Johal, S. 2014 'Water, water, everywhere, but not a drop to drink' : fluid chaos and the re-emergence of order in post-earthquake Christchurch. PowerPoint presentation

Crampton, J.S.; Hills, S.F.K. (eds) 2014 'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington. Wellington, NZ: Geoscience Society of New Zealand. *Geoscience Society of New Zealand miscellaneous publication 138*. 33 p.

Crundwell, M.P. 2014 Pliocene to Late Eocene foraminiferal and bolboformid biostratigraphy of IODP Hole 317-U1352C, Canterbury Basin, New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/15*. 49 p.

Currie, C-S.; Hensel, C.; Leonard, G.S.; Enjamio, J.; Girardo, D.O.; Johnston, D.M. 2014 Tsunami awareness and preparedness in the Greater Wellington Region. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/10*. 83 p.

D

Daly, M.C.; Poutasi, N.; Wright, K.C.; Leonard, G.S. 2014 Community engagement : case studies from Samoa, south-west Pacific. p. 43-54 In: Fathani, T.F.; Daly, M.C. (eds) *Prosiding seminar nasional penguatan ketangguhan Indonesia melalui pengurangan risiko bencana, Yogyakarta, 26 November 2014*. Yogyakarta, Indonesia: Jurusan Teknik Sipil dan Lingkungan.

Deligne, N.I. 2014 Preparing for the volcano in your backyard : New Zealand sets an example. *Earth, 59(12)*: Web page

Ditchburn, R.G.; Zondervan, A.; Mawdesley, S.; Futter, R.J. 2014 An improved method for separating quartz from rock using pyrophosphoric acid. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/45*. 8 p.

Downes, G.L.; Dowrick, D.J. 2014 Atlas of isoseismal maps of New Zealand earthquakes : 1843-2003. 2nd ed. (revised). Lower Hutt, NZ: GNS Science. *GNS Science monograph 25*. 1 DVD

[Top of the Section](#)

OTHER PUBLICATIONS

Dunn, C.E.; Christie, A.B. 2014 Biogeochemical orientation survey, Luck at Last mine area, Coromandel New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/60*. 112 p.

E

Edbrooke, S.W.; Heron, D.W.; Forsyth, P.J.; Jongens, R. (compilers) 2014 Geological map of New Zealand 1:1 000 000. Lower Hutt, NZ: GNS Science. *GNS Science geological map 2*. 1 CD

F

Fabling, R.; Grimes, A.; Timar, L. 2014 Natural selection : firm performance following the Canterbury earthquakes. Wellington, N.Z.: Motu Economic and Public Policy Research. *Motu working paper 14-08*. 50 p.

Fathani, T.F.; Daly, M.C. (eds) 2014 Prosiding seminar nasional penguatan ketangguhan Indonesia melalui pengurangan risiko bencana, Yogyakarta, 26 November 2014. Yogyakarta, Indonesia: Jurusan Teknik Sipil dan Lingkungan. 123 p.

Faure, K. 2014 Stable isotope geochemistry : definitions, terminology, measurement and some applications. 25 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre*. Lower Hutt, NZ: GNS Science.

Faure, K.; Carey, B.S.; Bromley, C.J.; Barnett, P. 2014 Australasian update : 2014. PowerPoint presentation

G

Gerstenberger, M.C.; Stirling, M.W.; Harte, D.S. 2014 Rethinking PSHA : summary of research prioritisation workshops. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/48*. 51 p.

Glasse, P.J. 2014 Hazard and risk. p. 77-84 In: Fathani, T.F.; Daly, M.C. (eds) *Prosiding seminar nasional penguatan ketangguhan Indonesia melalui pengurangan risiko bencana, Yogyakarta, 26 November 2014*. Yogyakarta, Indonesia: Jurusan Teknik Sipil dan Lingkungan.

H

Hancox, G.T.; Ries, W.F.; Lukovic, B.; Parker, R.N. 2014 Landslides and ground damage caused by the Mw 7.1 Inangahua earthquake of May 1968 in northwest South Island, New Zealand. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/06*. 89 p. + folded map

Heron, D.W. (custodian) 2014 Geological map of New Zealand 1:250,000. Lower Hutt, NZ: GNS Science. *GNS Science geological map 1*. 1 CD

Hillman, J.I.T.; Gorman, A.R.; Pecher, I.A. 2014 Statistical analysis of seafloor depressions on the South East margin of New Zealand's South Island to investigate the impact of current activity and subsurface polygonal faulting on seafloor geomorphology. 6 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Holden, C.; Kaiser, A.E.; Massey, C.I. 2014 Broadband ground motion modelling of the largest M5.9+ aftershocks of the Canterbury 2010-2011 earthquake sequence for seismic slope response studies. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/13*. 48 p.

Hornblow, S.; Nicol, A.; Quigley, M.; Van Dissen, R.J. 2014 Paleoseismology of the 2010 M_w 7.1 Darfield (Canterbury) earthquake source, Greendale Fault, New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/26*. 27 p.

[Top of the Section](#)

OTHER PUBLICATIONS

Hurst, A.W.; Bennie, S.L. 2014 Repeat magnetic measurements in Antarctica, January 2012. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/08*. 29 p.

I

Isaac, M.J. 2014 The lignite exploration controversy and the short-lived Gore Project Office, NZ Geological Survey. *Journal of the Historical Studies Group / Geological Society of New Zealand*, 48: 26-34

J

Johnston, D.M.; Blake, D. (eds) 2014 Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014. Lower Hutt, NZ: GNS Science. *GNS Science miscellaneous series 74*. 64 p.

Johnston, M.; Nathan, S. 2014 A letter from Collingwood, December 1866. *Journal of the Historical Studies Group / Geological Society of New Zealand*, 46: 23-29

K

Kilgour, G.N. (field trip coordinator) 2014 3rd International Course on Collapse Calderas, December 5th-7th, 2014, Taupo, & 5th International Workshop on Collapse Calderas, December 7th-11th, 2014, New Zealand : field guide. 62 p.

Kilgour, G.N.; Fournier, N.; Rosenberg, M.D. 2014 Field trip 2 : Taupo volcano field trip guide, 10 & 11 December, 2014. p.30-39 In: Kilgour, G.N. (field trip coordinator) *3rd International Course on Collapse Calderas, December 5th-7th, 2014, Taupo, & 5th International Workshop on Collapse Calderas, December 7th-11th, 2014, New Zealand : field guide*.

Kroeger, K.F.; Plaza-Faverola, A.; Barnes, P.M.; Pecher, I.A. 2014 Methane generation and quantitative hydrate formation modeling, Hikurangi Margin, New Zealand. 7 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Kroeger, K.F.; Sykes, R. 2014 Unravelling the evolution of a complex petroleum system using 3D basin modelling and geochemical analysis (Kupe-Kapuni region, SE Taranaki Basin). 8 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

L

Langridge, R.M.; Ries, W.F.; Litchfield, N.J.; Van Dissen, R.J.; Villamor, P. 2014 The 1:250,000 Active Faults Database of New Zealand : database description and data dictionary. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/11*. 20 p.

Litchfield, N.J.; Van Dissen, R.J.; Hornblow, S.; Quigley, M.; Archibald, G.C. 2014 Detailed analysis of Greendale Fault ground surface rupture displacements and geometrics. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/18*. 165 p.

M

Martin, A.P.; Turnbull, R.E. 2014 Regional multi-element geochemical baseline survey of southern New Zealand. *Geoscience Society of New Zealand newsletter*, 14: 6-7

[Top of the Section](#)

McBride, S.K.; Becker, J.M.; Coomer, M.A.; Tipler, K.; Johnston, D.M. 2014 New Zealand ShakeOut Observation Evaluation Report : a summary of initial findings. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/61*. 41 p.

Mieler, D.H.; Beban, J.G.; Saunders, W.S.A. 2014 Land use planning policies and initiatives in San Francisco for earthquake : what can Wellington learn?. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/47*. 52 p.

Mieler, D.H.; Uma, S.R.; Wright, K.C. 2014 Overcoming the barriers to uptake of low damage construction : perceptions from researchers, industry professionals, and end users. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/38*. 55 p.

Mieler, M.W.; Uma, S.R. 2014 Alternative design approaches to achieve tolerable earthquake impacts in buildings : updated research plan and progress report. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/32*. 31 p.

Moreau, M.; Cameron, S.G.; Daughney, C.J.; Gusyev, M.A.; Tschritter, C. 2014 Envirolink Tools Project : capture zone delineation. Technical report. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/57*. 91 p.

Moreau, M.; Nokes, C.; Cameron, S.G.; Hadfield, J.; Gusyev, M.A.; Tschritter, C.; Daughney, C.J. 2014 Capture zone guidelines for New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/56*. 47 p.

Morgenstern, U.; Matthews, A.; Begg, J.G.; Roygard, J.; Townsend, D.B.; Clark, M.; Martindale, H. 2014 Groundwater lag times in the water discharges from the Whanganui, Rangitikei and Manawatu catchments. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/35*. 34 p.

Morgenstern, U.; Townsend, D.B.; Davidson, P.; Martindale, H. 2014 Rai-Pelorus groundwater baseline study : residence time, recharge source, rate and volume, resurgence into rivers, and impact of high intensity land use activities on groundwater quality. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/31*. 41 p.

Morley, M.S.; Hayward, B.W.; Beu, A.G. 2014 Pleistocene Mollusca in Ocean Drilling Project core site ODP 1119, Canterbury Bight. *Poirieria*, 38: 24-27

Mortimer, N. 2014 New Zealand Journal of Geology and Geophysics in 2014. *Geoscience Society of New Zealand newsletter*, 13: 47-49

Mroczek, S.; Armstrong, J. 2014 Investigation into the thermal conductivity of pumice. Lower Hutt: GNS Science. *GNS Science report 2012/15*. 14 p.

N

Nayerloo, M.; Uma, S.R. 2014 Seismic instrumentation in Christchurch Polytechnic Institute of Technology Science Block. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/33*. 8 p.

Nicol, A. 2014 Late Neogene normal fault architecture and tectonic history along the North Taranaki coast : Field trip 6, 28th November 2014. p. 19-38 In: Holt, K.A. (ed.) *Geosciences 2014 : annual conference of the Geoscience Society of New Zealand : field trip guide volume*. [Wellington, N.Z.]: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139B

[Top of the Section](#)

Nicol, A.; Seebeck, H.; Hemmings-Sykes, S.; Ilg, B.; Childs, C.; Walsh, J. 2014 Faults and their potential influence on fluid flow. 6 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

P

Pascher, K. 2014 Report from the CBEP meeting, Ferrara, Italy. *Geoscience Society of New Zealand newsletter, 14: 23-27*

Pinal, C.; Brackley, H.L.; Berryman, K.R. (eds) 2014 Natural hazards 2013. Lower Hutt, NZ: GNS Science. *GNS Science miscellaneous series 68.* 43 p.

Pondard, N.; Daly, M.C. 2014 Natural hazard risk modelling : an approach providing risk management solutions for local government. p. 69-76 In: Fathani, T.F.; Daly, M.C. (eds) *Prosiding seminar nasional penguatan ketangguhan Indonesia melalui pengurangan risiko bencana, Yogyakarta, 26 November 2014.* Yogyakarta, Indonesia: Jurusan Teknik Sipil dan Lingkungan.

Power, W.L. 2014 Tsunami hazard curves and deaggregation plots for 20km coastal sections, derived from the 2013 National Tsunami Hazard Model. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/59.* 544 p.

Power, W.L.; Wang, X.; Barberopoulou, A.; Mueller, C. 2014 Validation of a deaggregation-based approach for tsunami evacuation mapping. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/36.* 56 p.

Prebble, J.G.; Crouch, E.M.; Cortese, G. 2014 Data report : Quaternary dinoflagellate cyst and pollen census counts from IODP Site 1352B, Canterbury Basin, New Zealand. doi: 10.2204/iodp.proc.317.207.2014 In: Fulthorpe, C.S.; Hoyanagi, K.; Blum, P.; Expedition 317 Scientists; Browne, G.H.; Crundwell, M.P. (et al.) *Canterbury Basin sea level : expedition 317 of the riserless drilling platform, Townsville, Australia, to Wellington, New Zealand, sites U1351-U1354, 4 November 2009 - 3 January 2010.* Washington, DC: IODP Management International. Proceedings of the Integrated Ocean Drilling Program 317

Prieto, A.M. 2014 Rock typing, applications of petroleum geology to geothermal reservoirs of New Zealand. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/03.* 48 p.

Prior, C.A. 2014 Radiocarbon dating. 10 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre.* Lower Hutt, NZ: GNS Science.

Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) 2014 Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre. Lower Hutt, NZ: GNS Science. 1 v.

R

Rattenbury, M.S.; Martin, A.P.; Turnbull, R.E.; Christie, A.B. 2014 Sampling methodology for a regional multi-element geochemical baseline survey. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/62.* 38 p.

Reeves, R.R.; Scott, B.J.; Hall, J. 2014 2014 thermal infrared survey of the Rotorua and Lake Rotokawa-Mokoia geothermal fields. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/57.* 24 p.

[Top of the Section](#)

Reilly, C.; Nicol, A.; Walsh, J.J. 2014 Evolution of faults in the Southern Taranaki Basin since the Late Cretaceous : implications for hydrocarbon migration and accumulation. 6 p. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Robinson, T.R.; Wilson, T.M.; Davies, T.R.H.; Orchiston, C.; Thompson, J.R. 2014 Design and development of realistic exercise scenarios : a case study of the 2013 Civil Defence Exercise Te Ripahapa. *GNS Science miscellaneous series 69.* 113 p.

Rogers, K.M. 2014 Why is New Zealand honey failing sugar adulteration tests? : a final report for AGMARDT and co-authors. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/02.* 25 p.

Rogers, K.M. 2014 Detecting environmental change using stable isotopes. 26 p. + appendices In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre.* Lower Hutt, NZ: GNS Science.

Rosser, B.J.; Townsend, D.B.; McSaveney, M.J.; Ries, W. 2014 Landslides and ground damage associated with the M6.2 Eketahuna earthquake, 20 January 2014. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/51.* 34 p.

S

Sahoo, T.R.; Browne, G.H.; Hill, M.G. 2014 Seismic attribute analysis and depositional elements in the Canterbury Basin. 7 p. (session 8) In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Saunders, W.S.A.; Beban, J.G. 2014 Petone Plan Change 29 : an example of science influencing land use planning policy. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/23.* 56 p.

Saunders, W.S.A.; Beban, J.G.; Coomer, M.A. 2014 Assessment of council capability and capacity for managing natural hazards through land use planning. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/50.* 25, 34 p.

Saunders, W.S.A.; Beban, J.G.; Coomer, M.A. 2014 Analysis of natural hazard provisions in regional policy statements, territorial authority plans, and CDEM Group Plans. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/28.* 72 p.

Saunders, W.S.A.; Beban, J.G.; Taig, T.; Morris, B.; Mieler, D.H.; Massey, C.I. 2014 Case studies on national and international approaches to risk reduction through land use planning. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/46.* 67 p.

Saunders, W.S.A.; Grace, E.S.; Beban, J.G. 2014 Overview of the state of land use planning for natural hazards in New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/63.* 30 p.

Saunders, W.S.A.; Ruske, M. 2014 Data from analysis of natural hazard provisions in regional policy statements, territorial authority plans, and CDEM group plans. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/55.* 1 DVD

Saunders, W.S.A.; Ruske, M. 2014 Tabulated results from review of natural hazard provisions in regional policy statements, territorial plans, and CDEM group plans. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/04.* 84 p. + 1 appendix

[Top of the Section](#)

- Scott, B.J.; Carey, B.S.; Siratovich, P. 2014** Field trip 3 : northern TVZ calderas field trip guide, 10 and 11 December, 2014. p. 40-62 In: Kilgour, G.N. (field trip coordinator) *3rd International Course on Collapse Calderas, December 5th-7th, 2014, Taupo, & 5th International Workshop on Collapse Calderas, December 7th-11th, 2014, New Zealand : field guide.*
- Scott, B.J.; Potter, S.H. 2014** Catalogue of historical eruptive activity and volcanic unrest at Mt. Tongariro : 1846-2013. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/20.* 70 p.
- Seville, E.; Giovinazzi, S.; Stevenson, J.; Vargo, J.; Brown, C. 2014** Organisations disruption and resilience : learning from the Canterbury earthquakes. Lower Hutt, N.Z.: GNS Science. *ERI research report 2014/02.* 24 p.
- Seward, A.; Atkinson, F.; Cole-Baker, J. 2014** New Zealand ground temperature monitoring borehole network : installation summary. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/69.* 39 p.
- Skinner, D.N.B.; Brathwaite, R.L.; Campbell, H.J.; Grindley, G.; Hayward, B.W.; Mildenhall, D.C.; Mortimer, N.; Smale, D. 2014** In memorium : a farewell to William Asher Watters (Bill) : the gentleman's geologist, petrologist & mineralogist, 21 May 1926 - 16 July 2014. *Geoscience Society of New Zealand newsletter, 14:* 37-39
- Stagpoole, V.M.; Caratori Tontini, F. 2014** Absolute gravity survey marks in the northwestern and southern South Island established in 2014. Lower Hutt, NZ: GNS Science. *GNS Science miscellaneous series 73.* 58 p.
- Stevens, G.R. 2014** 'Gentlemen Scholars' and 'Others' : interactions between seismologists and geologists in New Zealand in the 1950s and 1960s. *Journal of the Historical Studies Group / Geological Society of New Zealand, 48:* 11-16
- Stevens, G.R. 2014** Exploring the Motu River. *Journal of the Historical Studies Group / Geological Society of New Zealand, 47:* 22-24
- Stevens, G.R. 2014** Giant ammonite from the Maungataniwha sandstone of inner Hawkes Bay. *Geoscience Society of New Zealand newsletter, 13:* 24-31
- Stevens, G.R. 2014** Life at 156 The Terrace, Wellington, in the early 1950s – personal memories. *Journal of the Historical Studies Group / Geological Society of New Zealand, 47:* 29-36
- Stevens, G.R. 2014** Nuclear power stations in New Zealand?. *Journal of the Historical Studies Group / Geological Society of New Zealand, 47:* 40-41
- Stevens, G.R. 2014** Radiocarbon dating and its role in understanding the geological history of the Melling Fossil Forest, Lower Hutt, Wellington, New Zealand. *Journal of the Historical Studies Group / Geological Society of New Zealand, 48:* 61-64
- Stevens, G.R. 2014** The trials and tribulations of the Hutt Artesian System. *Journal of the Historical Studies Group / Geological Society of New Zealand, 46:* 2-8
- Stewart, C.; Cronin, S.J.; Wilson, T.M.; Clegg, S. 2014** Analysis of Mt Sinabung volcanic ash : implications for animal health. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/65.* 14 p.
- Stewart, T.J.; Falconer, R.K.H.; Uwikunda, H. 2014** Sonne-17 seismic data set guide. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/40.* 15 p.

[Top of the Section](#)

OTHER PUBLICATIONS

Strogen, D.P.; King, P.R. 2014 A new Zealandia-wide seismic horizon naming scheme. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/34*. 20 p.

Strong, D.T.; Turnbull, R.E. 2014 PETLAB database in 2014 : a stocktake. *Geoscience Society of New Zealand newsletter, 14*: 34-36

Suggate, R.P.; Moar, N. 2014 The Otira (Last) Glaciation in north Westland : comments on Barrows et al. (2013). *Geoscience Society of New Zealand newsletter, 14*: 8-12

Sutherland, R.; Collot, J.; Henrys, S.A.; Barker, D.H.N.; Mueller, C.; Juan, C.; Woelz, S.; Gerring, P.; Quinn, W.; Boyes, A.F.; Collins, K.; O'Brien, G.; Potaka, G.; White, J.; Fernandez, J.; Skorstengaard, P.; Cappe-Kerbert, C. 2014 TAN1409 voyage report : Tasman Frontier Geophysical Survey, *RV Tangaroa*, 19 July - 12 August 2014. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/72*. 65 p.

T

TAN1405 Science Party; Todd, E. (compiler) 2014 TAN1405 Voyage Report : Hikurangi Ocean Bottom Investigation of Tremor and Slow Slip (HOBITSS), *RV Tangaroa*, 10-20 May 2014. Lower Hutt, N.Z.: GNS Science. *GNS Science report 2014/67*. 86 p. + 1 CD-Rom

Timar, L.; Grimes, A.; Fabling, R. 2014 That sinking feeling : the changing price of disaster risk following an earthquake. Wellington, N.Z.: Motu Economic and Public Policy Research. *Motu working paper 14-13*. iii, 33 p.

Timar, L.; Kerr, S. 2014 Land-use intensity and greenhouse gas emissions in the LURNZ model. Wellington, N.Z.: Motu Economic and Public Policy Research. *Motu working paper 14-03*. iii, 38 p.

Trustrum, N.A. 2014 Aceh revives : celebrating 10 years of recovery in Aceh. Bali, Indonesia: Saritaksu Edition. 213 p.

Tschritter, C.; Cameron, S.G.; White, P.A. 2014 Incorporation of hydraulic properties in three-dimensional geological models. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/53*. 25 p.

U

Uma, S.R.; Lin, S.-L.; Buxton, R. 2014 Review of observed Christchurch damage data and performance assessment of buildings in Christchurch. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/29*. 22 p.

V

van Ballegooy, S.; Cox, S.C.; Thurlow, C.; Rutter, H.K.; Reynolds, T.; Harrington, G.; Fraser, J.; Smith, T. 2014 Median water table elevation in Christchurch and surrounding area after the 4 September 2010 Darfield Earthquake. Version 2. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/18*. 79 p. + appendices

Vandergoes, M.J.; Cochran, U.A. 2014 Paleoenvironmental reconstruction using microfossils : terrestrial. 21 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre*. Lower Hutt, NZ: GNS Science.

[Top of the Section](#)

W

Westerhoff, R.S.; White, P.A. 2014 Application of equilibrium water table estimates using satellite measurements to the Canterbury Region, New Zealand. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/43*. 25 p.

White, P.A.; Moreau-Fournier, M.; Thorpe, H.R.; Lovett, A. 2014 Summary of rainfall recharge measurements with lysimeters and ground-level rainfall observations 1952-1978 and 1997-2011, Canterbury. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/10*. 26 p. + 1 CD

White, P.A.; Tschirter, C.; Westerhoff, R.; Lovett, A. 2014 Rainfall recharge models of the Heretaunga Plains. Lower Hutt, NZ: GNS Science. *GNS Science report 2013/50*. 42 p.

Wright, K.C.; Cousins, W.J. 2014 Evacuation numbers and current evacuation planning in Wellington Region for a tsunami generated by a large Hikurangi subduction zone earthquake. Lower Hutt, NZ: GNS Science. *GNS Science report 2014/44*. 45 p.

Wright, K.C.; Leonard, G.S.; Beatson, A.; O'Sullivan, R.; Coomer, M.A.; Morris, B.; Freire, D. 2014 Public alerting options assessment

[Top of the Document](#)

Conference Abstracts

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [Y](#) [Z](#)

A

Aagaard, B.T.; Williams, C.A.; Fry, B. 2014 Factors contributing to multi-segment rupture in the 2010 M7.1 Darfield, New Zealand, earthquake. p. 547-548; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

Aagard, B.; Williams, C.A.; Fry, B. 2014 Factors contributing to multi-segment rupture in the 2010 M7.1 Darfield, New Zealand, earthquake. abstract S21B-4437 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Abercrombie, R.; Fry, B.; Doser, D. 2014 Scaling and stress release in the Darfield-Christchurch, New Zealand earthquake sequence. abstract S53B-4498 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Abercrombie, R.E.; Fry, B.; Doser, D.I.; Gerstenberger, M.C. 2014 Improving stress drop measurements for EGF : scaling and stress release in the Darfield-Christchurch, New Zealand earthquake sequence. p. 533; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

Agnini, C.; Kulhanek, D.K.; Shepherd, C.L. 2014 Calcareous nannofossil response to climatic changes in the early to middle Eocene. p. 11-12; doi: 10.3301/ROL.2014.20 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Allibone, A.; MacKenzie, D.; Turnbull, R.E.; Tulloch, A.J.; Craw, D. 2014 Metallogenesis along the margin of Gondwana in southern New Zealand. p. 2 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Amos, M.; McCubbine, J.; Caratori Tontini, F.; Winefield, R. 2014 Assessing new airborne gravimetry collected over New Zealand. abstract G51B-0363 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Ancelet, T.; Davy, P.K.; Trompetter, W.J. 2014 New XRF capability at GNS Science. p. 49 In: Robinson, P.; Kim, N. (compilers) *New Zealand Trace Elements Group Conference 2014, Massey University, Wellington, New Zealand; 30 June-1 July 2014 : book of abstracts*. New Zealand Trace Elements Group.

Ancelet, T.; Davy, P.K.; Trompetter, W.J.; Markwitz, A. 2014 Sources and transport of particulate matter on an hourly time-scale. abstract OP67-6 In: *2014 International Aerosol Conference, August 31 - September 5, 2014, Bexco, Busan, Republic of Korea*.

[Top of the Section](#)

Anderson, J.; Wilson, G.; Fink, D.; Lilly, K.; Levy, R.H. 2014 Lateglacial-Holocene ice sheet thinning and retreat in southern Victoria Land, Antarctica. p. 110 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Arnot, M.J.; Bull, S.; Hill, M.G.; Kroeger, K.F.; Reilly, C.; Strogen, D.P.; Seebeck, H.; Baur, J.R.; Sahoo, T.; Fohrmann, M.; Nicol, A.; King, P.R. 2014 Sediment deposition, tectonics and petroleum generation in the Southern Taranaki Basin. p. 3 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Arulkumaran, S.; Ng, G.I.; Ranjan, K.; Saw, G.Z.; Murmu, P.P.; Kennedy, J.V. 2014 Improved device isolation in AlGaIn/GaN HEMTs on Si by heavy Kr⁺ ion implantation. p. 114-116; doi: 10.1109/DRC.2014.6872324 In: *72nd Device Research Conference, June 22-25, 2014, The University of California, Santa Barbara, California*. IEEE.

Atkins, C.; Dunbar, G.; Golledge, N.R.; Zwart, D. 2014 Aeolian dust in Terra Nova Bay Polynya, Antarctica. p. 224 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

B

Bache, F.; Stagpoole, V.M.; Sutherland, R.; Collot, J.; Rouillard, P.; Hackney, R.; Rollet, N.; Hashimoto, T. 2014 Petroleum prospectivity of the Tasman Frontier. *APPEA Journal and Conference Proceedings*, 54:

Bache, F.; Sutherland, R.; Browne, G.H.; Lawrence, M.J.F.; Mortimer, N.; Black, J.; Rouillard, P.; Hines, B.; Roop, H.A.; Flowers, M.; Stagpoole, V.M.; Herzer, R.H.; Collot, J.; Patriat, M. 2014 Geological overview of the Reinga Basin, NW New Zealand : key observations and new constraints. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Baisden, W.T. 2014 Isotope pedology and soil interpretation. 2 p. In: Prior, C.A.; Rogers, K.M.; Vandergoes, M.J. (Organising committee) *Quaternary Techniques Short Course, 15 & 16 May 2014, National Isotope Centre*. Lower Hutt, NZ: GNS Science.

Baisden, W.T. 2014 Linking dissolved nitrogen to terrestrial sources, transformation and transport using isotopes. p. 22 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Baisden, W.T.; Brookshire, E.N.J.; Craine, J.M.; Perakis, S.S. 2014 Representing microbial processing and mineral stabilization of plant-derived organic matter in models of terrestrial N isotopes. p. 100 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Bannister, S.C.; Abercrombie, R.; Holden, C.; Hamling, I.J.; Ristau, J. 2014 The 2014 M_w6.2 Eketahuna earthquake, Hikurangi subduction zone : normal faulting in the subducted Pacific Plate crust. abstract S32B-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Bannister, S.C.; Obara, K.; Wallace, L.M.; Bourguignon, S.; Fry, B.; D'Anastasio, E.; Eberhart-Phillips, D. 2014 SSE-related seismicity on the northern Hikurangi subduction margin, New Zealand. p. 444-445; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

Bannister, S.C.; Wallace, L.M. 2014 Diverse SSE and seismicity behaviour on the Hikurangi subduction zone, New Zealand. abstract I15 In: Ito, Y.; Hirose, H.; Obara, K. (conveners) *Joint Workshop on Slow Earthquakes 2014 : the prospects for studies of slow earthquakes toward Nankai Megaquake predictions and disaster preventions, Uji campus, Kyoto University, September 8-10, 2014 : abstracts*. Kyoto University.

Barker, D.H.N.; Henrys, S.A.; Wallace, L.M.; Barnes, P.; Mountjoy, J.; Pecher, I.A. 2014 Pre-stack depth migration of 05CM-04, IODP drilling, and marine geophysical investigations of subduction behaviour at Hikurangi Margin. p. 5 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Barnes, P.; Ghisetti, F.; Ellis, S.M.; Barker, D.H.N.; Henrys, F.; Henrys, S.A. 2014 Megathrust propagation and accretionary wedge development at the front of a sediment-rich subduction system, central Hikurangi Margin, New Zealand. abstract T51A-4597 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Becker J.S.; Potter, S.H.; Wein, A.; Ratliff, J.; Doyle, E.E.H. 2014 Aftershock communication during the Canterbury earthquakes, New Zealand. p. 6 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014*. Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

Begue, F.; Deering, C.D.; Gravley, D.M.; Kennedy, B.M.; Chambefort, I.S. 2014 Eruption of multiple isolated magma batches and twin caldera collapse in the Taupo Volcanic Zone, New Zealand. p. 17 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Bekele, M.; Ndlovu, M. 2014 A hydrochemical and environmental isotope investigation of groundwater - surface water interaction in the Kosi Bay Lakes system, north-eastern South Africa. p. 25 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Benites, R.A.; Fry, B.; Kaiser, A.E. 2014 A kinematic source model of the M 6.3 February 22 2011 earthquake in Christchurch, New Zealand. p. 9 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Benz, N.; Wallace, L.M.; Hreinsdottir, S.; Denys, P.; Pearson, C. 2014 GPS measurements of interseismic, coseismic, and postseismic deformation in Puysegur subduction zone, New Zealand. abstract T41C-4654 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Berglund, H.; Blume, F.; Romero, I.; D'Anastasio, E. 2014 Effects of the April 1st, 2014 GLONASS outage on GNSS receivers. In: *IGS Workshop 2014, June 23-27, Pasadena, California, USA*. International GNSS Service.

Bertler, N.A.N.; Conway, H.; Dahl-Jensen, D. 2014 RICE - Roosevelt Island Climate Evolution project : a new, intermediate depth ice core record from coastal Antarctica. p. 55 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Bertler, N.A.N.; RICE Team; Baisden, W.T.; Canessa, S.; Kaiser, J.; Keller, E.D.; Morgenstern, U.; Pyne, R.; Tuohy, A.; West, J.G. (et al.) 2014 RICE - Roosevelt Island Climate Evolution project : a new, intermediate depth ice core record from coastal Antarctica. p. 10 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Bertrand, E.A.; Caldwell, T.G.; Heise, W.; Bennie, S.L.; Hill, G.J.; Palmer, N.G. 2014 Imaging the upper-crustal resistivity structure of the Taupo Volcanic Zone with magnetotelluric data. p. 18 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Beyer, M.; van der Raaij, R.W.; Morgenstern, U.; Jackson, B. 2014 Halon-1301, a new groundwater age tracer. p. 26 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Bicknell, R.; Crampton, J.S.; Crundwell, M.P.; Hannah, M. 2014 Evolutionary change within the Late Neogene planktonic foraminiferal lineage *Truncorotalia*. p. 10-11 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Bijl, P.; Sluijs, A.; Schouten, S.; Dickens, G.R.; Hollis, C.J.; Zeebe, R.E.; Zachos, J.C.; Stocchi, P.; Brinkhuis, H. 2014 Significant continental ice volumes on mid-Paleocene Antarctica? : latitudinal temperature gradients, sea level change and the carbon cycle. p. 31-32; doi: 10.3301/ROL.2014.30 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Blake, D.; Wilson, T.; Lindsay, J.; Deligne, N.I. 2014 Quantifying the impacts of volcanic hazards on surface transportation : an Auckland, New Zealand perspective. abstract cov8-abs-26 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Bland, K.J.; Levy, R.H.; Thomson, J.; Hollis, C.J.; Clark, K.J.; Coyle, F.J.; Faulkner, R. 2014 Dinosaurs, disasters, and the power of the planet! : science outreach for communities from a Crown Research Institute perspective. p. 11 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Bland, K.J.; Trewick, S.A.; Strogon, D.P.; Nicol, A. 2014 Geology for biology : Plio-Pleistocene paleogeography of New Zealand's North Island-South Island juncture. p. 7 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Blume, F.; Berglund, H.; Romero, I.; D'Anastasio, E. 2014 Effects of the April 1st, 2014 GLONASS outage on GNSS receivers. abstract G13A-0508 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Boothroyd, I.; Reeves, R.R.; Power, J.F. 2014 Return of the heat : restoration of a geothermal ecosystem. p. 32 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Borrero, J.C.; Greer, D.; Goring, D.G.; Power, W.L. 2014 Modeling tools for the real-time evaluation and historical reconstruction of tsunami events in New Zealand. p. 13 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Bradley, B.A.; McVerry, G.H.; Gerstenberger, M.C. 2014 Recent efforts in empirical ground motion prediction in New Zealand. p. 16 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts.* Tainan City, Taiwan: National Cheng Kung University.

Brasington, J.; Cook, S.; Cox, S.C.; James, J.; Lehane, N.; McColl, S.; Quincey, D.; Williams, R. 2014 3D reconstruction of a fluvial sediment slug from source to sink : reach-scale modelling of the Dart River, NZ. abstract EP43E-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Brathwaite, R.L.; Christie, A.B. 2014 Geomechanical fingerprinting of titanomagnetite provenance in ironsands on the West Coast of the North Island. p. 14-15 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Bromley, C.J. 2014 Hazard mitigation of induced seismicity effects through implementation of protocols and practical strategies that gain public acceptance. In: *5th EAGE Passive Seismic Workshop : from wish list to to-do list; Lisbon; Portugal; 28 September 2014 through 1 October 2014.* European Association of Geoscientists and Engineers.

Bromley, C.J.; Axelsson, G. 2014 Reservoir evolution and long-term sustainable development strategies. abstract P-08 In: *Deep Geothermal Days, 10-11 April 2014, Paris : [abstracts].* Europa Organisation.

Bromley, C.J.; Carey, B.S.; Mroczek, E.K.; Hall, J.; Andermatt, R. 2014 Innovative design concepts from combined heat & power geothermal projects in New Zealand. abstract P-34 In: *Deep Geothermal Days, 10-11 April 2014, Paris : [abstracts].* Europa Organisation.

[Top of the Section](#)

Bromley, C.J.; Sherburn, S. 2014 Geothermal-induced micro-seismicity : a cracking good story. p. 15-16 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Bromley, C.J.; Sherburn, S. 2014 Lessons learnt about mechanisms of geothermal induced seismicity from New Zealand experience. abstract O-12 In: *Deep Geothermal Days, 10-11 April 2014, Paris : [abstracts]*. Europa Organisation.

Brown, S.; Auken, M.; Cottrell, E.; Granados, H.D.; Loughlin, S.; Newhall, C.; Guerrero, N.O.; Sparks, S.; Vye-Brown, C.; Indices Taskforce 2014 Use of indicators and indices to assess global volcanic hazard and risk for the Global Assessment Report 2015. abstract cov8-abs-171 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Brown, S.; Crossweller, S.; Sparks, S.; Cottrell, E.; Deligne, N.I.; Guerrero, N.O.; Hobbs, L.; Loughlin, S.; Siebert, L.; Takarada, S. 2014 Analysis of the Large Magnitude Explosive Volcanic Eruptions (LaMEVE) database. abstract cov8-abs-172 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Browne, G.H.; Mortimer, N.; Morgans, H.E.G.; Clowes, C.D.; Hollis, C.J.; Beu, A.G. 2014 Siliciclastic lithologies recovered in dredge samples from Reinga Basin. p. 16 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Browne, G.H.; Roncaglia, L. 2014 Dinosaur (Titanosaurid) footprints from Late Cretaceous intertidal sediments of New Zealand. p. 324 In: Cerdeno, E. (compiler) *4th International Palaeontological Congress : the history of life : a view from the Southern Hemisphere : abstract volume*.

Bull, S.; Hill, M.G.; Kroeger, K.F. 2014 Towards a 4D Taranaki digital atlas : a new interpretation of the southern Taranaki Basin. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Burbidge, D.; Mueller, C.; Power, W.L. 2014 The effect of uncertainty in earthquake fault parameters on the maximum wave height of a tsunami. p. 17 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Burrington, P.; Moy, C.; Fitzsimons, S.; Hageman, K.; Beltran, C.; Howarth, J.D.; Nichols, J. 2014 Compound-specific D/H ratios of lipid biomarkers as a proxy for Holocene climate and hydrology, Fiordland, New Zealand. p. 17 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Buxton, R.; Christophersen, A.; Gerstenberger, M.C. 2014 The use of Bayesian Networks as decision support and analytical tools in fields of natural hazards and risk assessment in NZ. p. 15 In: *Australasian Bayesian Network Modelling Society. Annual Conference, 26-27th November 2014, Rotorua, New Zealand*. Australasian Bayesian Network Modelling Society.

C

Cameron, S.G.; Lovett, A.; Miejer, L.; Verhagen, F.; Morgenstern, U.; Beyer, M.; Hadfield, J.; Reeves, R.R. 2014 Use of temperature and hydrochemistry to characterise groundwater-surface water interaction. p. 42 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Campbell, H.J.; Mortimer, N. 2014 Zealandia : latest geological perspectives. p. 8 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Caratori Tontini, F.; de Ronde, C.E.J.; Tivey, M.; Kinsey, J. 2014 Near-seafloor magnetic exploration of submarine hydrothermal systems in the Kermadec Arc (invited). abstract OS51E-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Carey, J.M.; McSaveney, M.J.; Massey, C.I.; Petley, D. 2014 Dynamic behaviour of quartzo-feldspathic loess slopes in the Canterbury Port Hills, Christchurch, New Zealand. abstract EGU2014-8536 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Cavanagh, J.; Taylor, M.; Rattenbury, M.S. 2014 Determining background concentrations of trace elements. p. 32 In: Robinson, P.; Kim, N. (compilers) *New Zealand Trace Elements Group Conference 2014, Massey University, Wellington, New Zealand; 30 June-1 July 2014 : book of abstracts*. New Zealand Trace Elements Group.

Chambefort, I. 2014 Origin of sulfur in active epithermal gold-depositing systems. p. 379 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Chambefort, I.; Begue, F.; Heinrich, C.; Walle, M.; Dilles, J. 2014 From magma to mudpool : linking arc volatiles and active geothermal systems. p. 380 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Chambefort, I.S.; Wilson, C.J.N.; Milicich, S.D.; Rosenberg, M.D.; Bignall, G. 2014 "Location, location, location" ... the relationship between geothermal activity and major caldera events in the Taupo Volcanic Zone : open discussion. p. 21 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

[Top of the Section](#)

Chamberlain, C.J.; Benson, A.; Boese, C.M.; Dyer, C.; Eccles, J.; Gulley, A.; Guo, B.; Rawles, C.; Roecker, S.; Savage, M.K.; Sutherland, R.; Thurber, C.; Townend, J.; van Wijk, K. 2014 Seismological characterization of the DFDP-2 drill-site and surroundings, Whataroa Valley, Central Alpine Fault, New Zealand. p. 19-20 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Chamberlain, M.; Wang, C-Y.; Dreger, D.; Cox, S.C. 2014 Liquefaction and strong motion during the 2010-2011 Canterbury earthquake sequence. abstract S13A-4440 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Chardot, L.; Jolly, A.D.; Kennedy, B.; Fournier, N.; Sherburn, S. 2014 A combined analysis of volcanic tremor to assess the potential for eruption forecasting at White Island volcano, New Zealand. abstract cov8-abs-382 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Chen, J.; Wilson, T.; Henrys, S.A. 2014 Re-examination of lithospheric flexure induced by volcano loads in McMurdo Sound, West Antarctica, and implications for regional lithospheric strength. p. 150 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Christenson, B.W.; Reyes, A.G. 2014 Permeability reduction in passively degassing seawater-dominated volcanic-hydrothermal systems : processes and perils on Raoul Island, Kermadecs (NZ). abstract V11E-07 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Christophersen, A.; Buxton, R.; Deligne, N.I.; Potter, S.H. 2014 Exploring the application of Bayesian Networks in volcanic hazard and risk assessment in New Zealand. p. 16 In: *Australasian Bayesian Network Modelling Society. Annual Conference, 26-27th November 2014, Rotorua, New Zealand*. Australasian Bayesian Network Modelling Society.

Christophersen, A.; Gerstenberger, M.C.; Buxton, R.; Deligne, N.I.; Potter, S.H. 2014 Expert elicitation in natural hazard and risk assessment in New Zealand. [p. 24] In: Aspinall, W.; Bedford, T.; Komorowski, J.C.; Neri, A.; Rosi, M. (workshop organisers) *Science, uncertainty and decision making in the mitigation of natural risks : Workshop of the Cost Action IS1304 : "Expert judgment network : bridging the gap between scientific uncertainty and evidence-based decision making" : abstracts*. University of Strathclyde; Istituto Nazionale di Geofisica e Vulcanologia.

Clague, D.A.; Frey, F.A.; Garcia, M.O.; Huang, S.; McWilliams, M.; Beeson, M.H. 2014 Within-flow variability of the Sugar Loaf melilite nephelinite flows, Honolulu volcanics, Hawaii. paper no. 14-8 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Clark, K.J.; Cochran, U.A.; Howarth, J.D.; Villamor, P.; Langridge, R.M.; Vandergoes, M.J.; Berryman, K.R.; Biasi, G. 2014 Six past earthquakes on the southern onshore Alpine Fault, New Zealand, revealed by a record of landscape change events in a fault-adjacent wetland. paper no. 323-14 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

[Top of the Section](#)

Clark, K.J.; Hayward, B.W.; Cochran, U.A.; Wallace, L.M.; Grenfell, H.R.; Power, W.L.; Sabaa, A. T. 2014 Evidence for paleo-subduction earthquakes and tsunamis at a margin with pervasive active upper plate faulting : southern Hikurangi Margin, New Zealand. paper no. 3-11 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Clements, B.L.; Schwartz, J.J.; Klepeis, K.A.; Stowell, H.H.; Kylander-Clark, A.R.C.; Hacker, B.R.; Tulloch, A.J. 2014 Punctuated cooling of an arc root during extensional orogenic collapse, central Fiordland, New Zealand : integrating zircon, titanite, and rutile thermochronology. paper no. 58-2 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Clements, B.L.; Schwartz, J.J.; Stowell, H.H.; Klepeis, K.A.; Hacker, B.R.; Kylander-Clark, A.R.C.; Tulloch, A.J. 2014 Linking cooling and extensional collapse in a Continental arc root, Fiordland, New Zealand. p. 433 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Cocchi, L.; Ligi, M.; Bortoluzzi, G.; Petersen, S.; Plunkett, S.; Muccini, F.; Canese, S.; Caratori Tontini, F.; Carmisciano, C. 2014 Submarine hydrothermal sites in arc volcanic-back arc environment : insight from recent marine geophysical investigations in the Southern Tyrrhenian Sea (Invited). abstract GP31B-04 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Coffey, G.; Moy, C.; Toy, V.; Ohneiser, C.; Howarth, J.D. 2014 Constructing an Alpine Fault paleoseismicity record from slumped lacustrine deposits in the Cascade River Valley, South Westland, New Zealand. p. 22-23 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Coffey, G.; Moy, C.; Toy, V.; Ohneiser, C.; Howarth, J.D. 2014 Constructing an Alpine Fault paleoseismicity record from slumped lacustrine deposits in the Cascade River Valley, South Westland, New Zealand. abstract T43B-4713 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Collier, T.; Browne, G.H.; Crampton, J.S. 2014 The geology of Pegasus Basin based on seismic data, with insights from outcrop correlatives in southern Wairarapa and northeastern Marlborough. p. 23 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Collins, K.S.; Crampton, J.S.; Neil, H.L.; Smith, E.G.C.; Hannah, M. 2014 Anchors and snorkels : heterochrony, form and function in New Zealand crassatellid bivalves. p. 9 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

[Top of the Section](#)

Collins, K.S.; Gazley, M.F.; Schipper, C.I.; Crampton, J.S. 2014 New tools, old shells : synchrotron micro-CT reconstruction applied to the palaeobiology of Cretaceous-Paleogene ostrich-foot snails (Gastropoda, Struthiolariidae). p. 25 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Collot, J.; Sutherland, R.; Rouillard, P.; Patriat, M.; Roest, W.; Bache, F. 2014 The tectonic event of the Cenozoic in the Tasman Area, Western Pacific, and the role in Eocene global change. abstract T53C-4703 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Compton, K.; Bennett, R.; Hreinsdottir, S. 2014 Impacts of climate change on secular and seasonal ground motion in Iceland as measured by CGPS. abstract G54A-06 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Conran, J.G.; Lee, D.E.; Bannister, J.M.; Mildenhall, D.C. 2014 Reproductive niche conservatism during environmental change in New Zealand: apparent persistence of pollination and dispersal syndromes over 20 Myr. p. 45 In: Rapson, G.L. *New Zealand Ecological Society Annual Conference, Massey University, Palmerston North, 16-20 November 2014 : [Conference handbook]*. [Palmerston North, NZ]: Massey University.

Conran, J.G.; Lindqvist, J.K.; Lee, D.E.; Reichgelt, T.; Mildenhall, D.C. 2014 New Zealand Late Eocene floras : Waiau and Balleny Basins, Western Southland. p. 25-26 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Conway, C.E.; Townsend, D.B.; Leonard, G.S.; Calvert, A.T.; Wilson, C.J.N.; Gamble, J.A. 2014 Lava-ice interaction on a large composite volcano : a case study from Ruapehu, New Zealand. p. 26 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Conway, C.E.; Townsend, D.B.; Leonard, G.S.; Wilson, C.J.N.; Calvert, A.T.; Gamble, J.A. 2014 Lava-ice interaction on a large composite volcano : a case study from Ruapehu, New Zealand. paper no. 268-11 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Cortese, G.; Panitz, S.; Golledge, N.R.; Neil, H.; Diekmann, B. 2014 A Radiolarian-based paleoclimate history of Core Y9 (Northeast of Campbell Plateau, New Zealand) for the last 160 kyr. p. 388 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Corwin, K.; Johnston, D.M.; Wilson, T.; Stewart, C.; Jensen, S.; Wardman, J.; Brand, B.; McBride, S.K.; Leonard, G.S.; Potter, S.H.; Houghton, B. 2014 Community understanding of volcanic risk in Central and Eastern Washington. In: *39th Annual Hazards Research and Applications Workshop, Sunday, June 22 - 25, 2014, Broomfield, Colorado : abstracts*. Boulder, Colo.: University of Colorado at Boulder.

[Top of the Section](#)

Cowlyn, J.; Kennedy, B.; Gravley, D.M.; Cronin, S.; Pardo, N.; Wilson, T.; Leonard, G.S.; Townsend, D.B.; Dufek, J. 2014 Insights into proximal-medial pyroclastic density current deposits at a high-risk glaciated volcano : Mt Ruapehu, New Zealand. abstract V11B-4716 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Cox, S.C.; Menzies, C.; Sutherland, R.; Denys, P.; Chamberlain, C.; Teagle, D. 2014 Changes in hot spring temperature and hydrogeology of the Alpine Fault hanging wall, New Zealand, induced by distal South Island earthquakes. abstract H32F-07 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Coyle, F.J. 2014 How early is too early? : Small-scale deliberative stakeholder engagement around the siting of Carbon Capture and Storage in New Zealand. p. 1-2 In: *International Symposium, 17th & 18th February 2014 : Transforming public engagement on controversial science & technology : abstracts*. University of Waikato.

Coyle, F.J. 2014 Who is educating who? : small-scale deliberative engagement with the Taranaki community around the hypothetical siting of a Carbon Capture and Storage facility (CCS). p. 27 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Crampton, J.S.; Cooper, R.A.; Sadler, P.M. 2014 Fluctuating extinction selectivity in graptolites from very high resolution survivorship analysis. p. 11 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Crampton, J.S.; Morgans, H.E.G.; Roncaglia, L.; Schioler, P.; Raine, J.I.; Fohrmann, M. 2014 Explicit integration of seismic and biostratigraphic uncertainties in high-resolution quantitative correlation. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Crutchley, G.J.; Barnes, P.; Kroeger, K.F.; Hill, M.G.; Mountjoy, J.; Pecher, I.A. 2014 Building geological models of New Zealand's Pegasus Basin and its gas hydrate system : towards a better understanding of gas hydrate formation processes. p. 29 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Crutchley, G.J.; Fraser, D.; Gorman, A.; Maslen, G.; Henrys, S.A.; Pecher, I.A. 2014 Injection of gas into gas hydrate-bearing sediments on New Zealand's Hikurangi Margin : implications for localized hydrate deposition. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Cui, T.; Moore, C.; Herbert, S.J. 2014 Uncertainty quantification and data worth analysis for a basin-scale groundwater model in the context of GSG extraction. p. 113 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

[Top of the Section](#)

D

D'Anastasio, E.; Hreinsdottir, S.; Hamling, I.J.; Wallace, L.M.; Bland, L.A. 2014 The GeoNet response to the latest $M > 6$ earthquakes in New Zealand : a cGPS perspective. abstract 1262 In: *2014 UNAVCO Science Workshop : workshop abstracts*. Boulder, Colo.: UNAVCO.

D'Anastasio, E.; Mueller, C.; Fournier, N.; Kaneko, Y. 2014 The GeoNet cGPS network and its possible contribution to a local tsunami early warning system. p. 31 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Dallanave, E.; Agnini, C.; Bachtadse, V.; Muttoni, G.; Crampton, J.S.; Strong, C.P.; Hines, B.; Hollis, C.J.; Slotnick, B. 2014 Early to middle Eocene magneto-biochronology of the southwest Pacific Ocean and climate influence on sedimentation : new data from the Mead Stream section (Marlborough, New Zealand). abstract GP23B-3681 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Dallanave, E.; Bachtadse, V.; Agnini, C.; Muttoni, G.; Hollis, C.J.; Hines, B.R.; Morgans, H.E.G.; Strong, C.P.; Tauxe, L.; Crampton, J.S. 2014 Early-middle Eocene magneto-biochronology of the Southern Pacific Ocean : new data from the South Island of New Zealand. p. 50-51; doi: 10.3301/ROL.2014.40 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Davey, F.J. 2014 The structure and evolution of the Ross Sea. p. 43 In: *The 20th International Symposium on Polar Sciences : our collective journey to connect the past and future from the Antarctic, May 27-29, 2014, Korea Polar Research Institute, Incheon, Republic of Korea*. Korea Polar Research Institute.

Davy, B.W.; Pecher, I.A.; Bialis, J.; Coffin, R.; Sarkar, S.; Hillman, J.; Waghorn, K.; Kroeger, K.F.; SO226 Scientific Party 2014 Pockmarks of the Chatham Rise and further south. p. 32 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Davy, P.K.; Ancelet, T.; Trompeter, W.J.; Markwitz, A. 2014 Black carbon : concentrations, source contributions and trends across an urban area. abstract OP58-3 In: *2014 International Aerosol Conference, August 31 - September 5, 2014, Bexco, Busan, Republic of Korea*.

de Ronde, C.E.J.; Timm, C.; Ditchburn, R.G.; Wysoczanski, R. 2014 Effects of subduction on arc seafloor hydrothermal systems (Invited). abstract T51D-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

de Ronde, C.E.J.; Walker, S.; Caratori Tontini, F.; Baker, E.; Embley, R.; Yoerger, D. 2014 Application of AUVs in the exploration for and characterization of arc volcano seafloor hydrothermal systems. abstract OS53C-1050 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Deligne, N.I.; Jolly, G.E.; Taig, T.; Webb, T.H. 2014 Evaluating life-safety risk of fieldwork at New Zealand's active volcanoes. abstract EGU2014-11005 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Deligne, N.I.; Wilson, T.; Stewart, C.; Daly, M.C.; Roberts, L. 2014 Development of volcanic ashfall preparedness posters in New Zealand : improving resilience of critical infrastructure through education and collaboration. abstract cov8-abs-218 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Dellow, G.D.; Ries, W.F. 2014 Liquefaction hazard in the Taranaki Region. p. 34 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Dilles, J.H.; Chambefort, I.; Valley, J.W.; Kozdon, R.; Rye, R.O. 2014 What is the source of sulfur in arc magmas? Ion microprobe sulfur isotopic data on anhydrite from Yanacocha and Pinatubo. p. 556 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Drouin, V.; Sigmundsson, F.; Hreinsdottir, S.; Ofeigsson, B.G.; Sturkell, E.; Islam, T. 2014 Crustal movements at a divergent plate boundary : interplay between volcano deformation, geothermal processes, and plate spreading in the Northern Volcanic Zone, Iceland since 2008. abstract EGU2014-10740-3 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Dunbar, G.B.; Levy, R.H.; Vandergoes, M.J.; Roop, H.A.; Phipps, S.J.; Fitzsimons, S.J.; Howarth, J.D.; Lake Ohau Science Team 2014 Lake Ohau : a 17,000 year seasonally-resolved record of climate change. p. 35 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Duncan, B.; McKay, R.; Naish, T.; Bendle, J.; Levy, R.H.; Moossen, H.; Ventura, G.T. 2014 Late Oligocene to Pliocene Antarctic climate and oceanographic reconstructions using molecular and isotopic biomarker proxies. p. 35-36 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Duncan, B.; McKay, R.; Naish, T.; Levy, R.H.; Bendle, J.; Ventura, G.T. 2014 Neogene Antarctic climate and oceanographic reconstructions using molecular and isotopic biomarker proxies. p. 120 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

[Top of the Section](#)

E

Eberhart-Phillips, D.; Reyners, M.E.; Bannister, S.C. 2014 New Zealand-wide 3-D Qp attenuation model : low Qp North Island crust contrasts with high Qp South Island terranes. abstract S43B-4547 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Edbrooke, S.W.; Heron, D.W.; Forsyth, P.J.; Jongens, R. 2014 The new 1:1 000 000 geological map of New Zealand. p. 36 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Elayaperumal, M.; Panigrahi, B.K.; Kennedy, J.V.; Malek, M. 2014 Hybrid thin films diamond-like carbon on epitaxial ZnO grown by pulsed laser deposition : Micro-Raman and ion beam techniques of PIXE, RBS analysis. abstract PA 95 In: Temst, K.; Vandervorst, W.; Vantomme, A. (eds) *19th International Conference on Ion Beam Modification of Materials, IBMM 2014, Leuven, September 14-19, 2014 : program and abstracts*. Leuven: Instituut voor Kern- en Stralingsfysica.

Ellis, S.M.; Ghisetti, F.; Barnes, P.; Reyes, A.G.; Fagereng, A.; Henrys, F.; Barker, D.H.N.; Henrys, S.A. 2014 Numerical experiments into the style of accretion and megathrust behavior along the Hikurangi Margin, New Zealand. abstract T51A-4596 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Emanuelsson, D.; Bertler, N.A.N.; Baisden, W.T.; Keller, E.D. 2014 Interpretation of a 2,000 year, high resolution water stable isotope record from the RICE ice core Roosevelt Island, Antarctica. p. 57 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Embley, R.; Resing, J.; Tebo, B.; Baker, E.; Butterfield, D.; Chadwick, B.; Davis, R.; de Ronde, C.E.J.; Lilley, M.; Lupton, J.; Merle, S.; Rubin, K.; Shank, T.; Walker, S.; Arculus, R.; Bobbitt, A.; Buck, N.; Caratori Tontini, F.; Crowhurst, P.; Mitchell, E.; Olson, E.; Ratmeyer, V.; Richards, S.; Roe, K.; Kenner-Chavis, P.; Martinez-Lyons, A.; Sheehan, C.; Brian, R. 2014 Extensive hydrothermal activity in the NE Lau basin revealed by ROV dives. abstract OS53C-1052 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

F

Faegh Lashgary, P.; Motagh, M.; Townend, J.; Williams, C.A.; Hamling, I.J. 2014 Postseismic ground deformation following the 2010-2011 earthquake sequence in New Zealand, analyzed by high-resolution InSAR measurements. p. 19 In: *Wegener 2014 : measuring and modelling our dynamic planet : 1st - 4th September, 2014, University of Leeds, UK*. University of Leeds.

Faegh Lashgary, P.; Townend, J.; Motagh, M.; Williams, C.A.; Hamling, I.J. 2014 Satellite radar analysis of postseismic ground deformation associated with the 2010-2011 Canterbury earthquake sequence. p. 36 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Faegh Lashgary, P.; Townend, J.; Motagh, M.; Williams, C.A.; Hamling, I.J.; Fielding, E. 2014 Investigating earthquake cycle deformation in the Canterbury region, New Zealand, using multi-sensor satellite radar interferometry observations. abstract T13C-4680 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Faegh-Lashgary, P.; Townend, J.; Williams, C.A.; Motagh, M.; Hamling, I.J. 2014 InSAR measurements and interpretation of postseismic motion following the Mw 7.1 Darfield (Canterbury) earthquake of 4 September 2010. abstract EGU2014-8644 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Fang, F.; Kennedy, J.V.; Dhillon, M.; Flint, S. 2014 Silver coated stainless steel : coating, characterization and antibacterial activity. p. 94 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014*. University of Auckland.

Fitzgerald, R.; Tsunematsu, K.; Kennedy, B.; Breard, E.; Lube, G.; Wilson, T.; Jolly, A.D.; Rosenberg, M.D. 2014 The application of a 3D ballistic trajectory model to assessments of ballistic hazard at Upper Te Maari Crater, Tongariro, New Zealand. abstract cov8-abs-535 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Fitzsimons, S.; Howarth, J.D. 2014 Distinguishing storm and seismogenic turbidites in lacustrine records from the Southern Alps, New Zealand. p. 37 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Fournier, N.; Jolly, A.D. 2014 Night-vision : using GPS technology to decipher eruptive sequences. abstract cov8-abs-267 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Fournier, N.; Williams, C.A.; Wallace, L.M.; Sherburn, S.; Jolly, A.D.; Ristau, J.; Bourguignon, S.; Hurst, A.W.; Scott, B.J.; Chardot, L.; Gibbs, M.; Unglert, K.; Beavan, R.J. 2014 From subduction processes to volcanic unrest : unravelling domino effects at Lake Taupo caldera, New Zealand. p. 24 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Friedel, M.J. 2014 Modeling the effects of stressors on aquatic ecosystems. p. 88 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Friedel, M.J.; Buscema, M.; Daughney, C.J.; Litvak, R.; Chambel, A. 2014 Evaluating ground-water quality using artificial adaptive systems. abstract H41G-0931 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Fry, B.; Benites, R.A.; Stephenson, W.R.; Kaiser, A.E.; Louie, J. 2014 Multi-method noise-based imaging of an earthquake prone valley, lower North Island, New Zealand. p. 12 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts*. Tainan City, Taiwan: National Cheng Kung University.

[Top of the Section](#)

Fry, B.; Chardot, L.; Jolly, A.D. 2014 Shallow velocity imaging of an active volcano. abstract S11E-4383 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Fry, B.; Wallace, L.M.; Haines, A.J.; Rhoades, D.A.; Kao, H.; Gerstenberger, M.C. 2014 Including geodesy and non-traditional seismic radiation in seismic hazard assessment in New Zealand. p. 9 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts*. Tainan City, Taiwan: National Cheng Kung University.

Fry, B.; Yin, Y.; Deschamps, F.; Reyners, M.E. 2014 The Hikurangi subduction system as seen by surface waves. p. 39 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Fry, B.N.; Wallace, L.M. 2014 Observations of SSE, tremor, and damaging earthquakes on the Southern Hikurangi Margin, New Zealand. p. 417-418; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

G

Gamble, J.A.; Handler, M.R.; Wysoczanski, R.J.; Timm, C. 2014 Intraplate basaltic volcanism across Zealandia and the HIMU conundrum. p. 39-40 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Gard, H.J.L.; Lee, D.E.; Fordyce, R.E.; Beu, A.G. 2014 The paleoecology of the estuarine upper Oligocene Pomahaka Formation, Otago, New Zealand. p. 40 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Garden, T.; Deering, C.; Gravley, D.; Kennedy, B.; Chambefort, I.S. 2014 Control on hydrothermal fluid transport at Lake City Caldera, Colorado, U.S.A. p. 26 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Geary, I.J.; Hayward, B.W.; Conran, J.G.; Mildenhall, D.C.; Bannister, J.M.; Lee, D.E. 2014 The Miocene flora of Beachlands : fruits, seeds, leaves, wood and fungi. p. 41 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Gemmell, M.; Morgan-Richards, M.; Trewick, S.; Crampton, J.S.; Hills, S.; Vaux, F. 2014 Interpreting *Buccinulum* taxonomy at the confluence of morphologic and molecular techniques. p. 13 In: Crampton, J.S.; Hills, S.F.K. (eds) '*Geogenes V*': *Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Gemmell, M.; Morgan-Richards, M.; Trewick, S.; Hills, S.; Crampton, J.S. 2014 Snail species' shapes on the sea shore : investigating the relationships between taxonomy, morphology and the environment in *Buccinulum*. p. 54 In: Rapson, G.L. *New Zealand Ecological Society Annual Conference, Massey University, Palmerston North, 16-20 November 2014 : [Conference handbook]*. [Palmerston North, NZ]: Massey University.

Gerstenberger, M.C.; Christophersen, A.; Buxton, R.; Nicol, A. 2014 Guidelines for risk assessment in carbon capture and storage (CCS). p. [18] In: *Society for Risk Analysis Australia & New Zealand : risk beyond the numbers : 26-27 August 2014, Palmerston North : [abstracts]*. Society for Risk Analysis. Australia and New Zealand.

Gerstenberger, M.C.; Rhoades, D.A.; McVerry, G.H.; Christophersen, A.; Bannister, S.C.; Fry, B.; Potter, S.H. 2014 Recent experiences in aftershock hazard modelling in New Zealand (Invited). abstract S22A-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Gerstenberger, M.C.; Stirling, M.W.; McVerry, G.H.; Rhoades, D.A.; Harte, D.S.; Van Dissen, R.J.; Bradley, B.; Nicol, A.; Zhao, J.; Christophersen, A.; Fry, B. 2014 Rethinking probabilistic seismic hazard analysis. p. 42 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Gerstenberger, M.C.; Stirling, M.W.; McVerry, G.H.; Rhoades, D.A.; Harte, D.S.; Van Dissen, R.J.; Bradley, B.; Nicol, A.; Zhao, J.; Christophersen, A.; Horspool, N.; Fry, B. 2014 Rethinking PSHA. p. 23 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts*. Tainan City, Taiwan: National Cheng Kung University.

Godfrey, H.J.; Savage, M.K.; Fry, B. 2014 Modelling the subsurface velocity structure of the Tongariro Volcanic Centre, New Zealand, using ambient noise cross-correlation. p. 42 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Golledge, N.R.; Menviel, L.; Carter, L.; Fogwill, C.; England, M.; Cortese, G.; Levy, R.H. 2014 Antarctic contribution to meltwater pulse 1A from reduced Southern Ocean overturning. abstract PP12B-04 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Golledge, N.R.; Menviel, L.; Denton, G.; Carter, L.; Fogwill, C.; England, M.; Cortese, G. 2014 Antarctic meltwater pulses from a positive ice-ocean feedback mechanism. p. 43 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Grenader, J.; Dolan, J.; Rhodes, E.; Van Dissen, R.J.; Langridge, R.M.; Zinke, R.; McGuire, C.; Nicol, A. 2014 Analysis of a new Marlborough Fault System dataset : the Wairau and Hope faults, South Island, New Zealand. abstract T41C-4653 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Grenader, J.R.; Dolan, J.F.; Rhodes, E.J.; Van Dissen, R.J.; Langridge, R.L.; Zinke, R.; McGuire, C.P.; Nicol, A. 2014 Preliminary analysis of new Marlborough Fault System LiDAR dataset : the Branch River site, Wairau Fault, South Island, New Zealand. paper no. 34-19 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts].* Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Gusyevev, M.A.; Yamazaki, Y.; Morgenstern, U.; Stewart, M.K.; Kashiwaya, K.; Hirai, Y.; Sawano, H. 2014 Transit time of water discharges from catchments of Hokkaido, Japan. p. 319 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

H

Hamling, I.J.; Fournier, N.; Hreinsdottir, S. 2014 The ups and downs of the TVZ : geodetic observations of ground deformation along the Taupo Volcanic Zone. p. 120 In: *Wegener 2014 : measuring and modelling our dynamic planet : 1st - 4th September, 2014, University of Leeds, UK.* University of Leeds.

Hamling, I.J.; Wallace, L.M.; Williams, C.A.; Fry, B. 2014 Silent and not so silent triggering : crustal faulting induced by subduction slow slip events in New Zealand. p. 42 In: *Wegener 2014 : measuring and modelling our dynamic planet : 1st - 4th September, 2014, University of Leeds, UK.* University of Leeds.

Hardesty, R.; Brewer, A.; Shepson, P.; Cambaliza, M.O.; Salmon, O.; Heimbürger, A.; Davis, K.; Lauvaux, T.; McGowan, L.; Miles, N.; Richardson, S.; Sarmiento, D.; Sweeney, C.; Iraci, C.; Hillyard, P.; Podolske, J.; Gurney, K.; Razlivanov, I.; Song, Y.; Turnbull, J.C.; Whetstone, J.; Possolo, A.; Prasad, K. 2014 One year of doppler lidar observations characterizing boundary layer wind, turbulence, and aerosol structure during the Indianapolis Flux experiment. abstract A51O-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Hayes, J.; Wilson, T.; Hughes, M.; Magill, C.; Cole, J.; Deligne, N.I. 2014 Pyroclastic fall and flow clean-up in Auckland City, New Zealand : quantitative impact assessment and response planning. p. 21 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014.* Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

[Top of the Section](#)

Hayes, J.; Wilson, T.; Hughes, M.; Magill, C.; Cole, J.; Deligne, N.I. 2014 Pyroclastic fall and flow clean-up in Auckland City, New Zealand : quantitative impact assessment and response planning. abstract cov8-abs-235 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014.* [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Hayward, B.W.; Sabaa, A.T.; Grenfell, H.R.; Cochran, U.A.; Clark, K.J.; Litchfield, N.J.; Wallace, L.M.; Marden, M.; Palmer, A.S. 2014 Foraminiferal record of Holocene paleo-earthquakes on the subsiding south-western Poverty Bay coastline, New Zealand. p. 47 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Henrys, S.A.; Kurashimo, E.; Sato, H.; Iwasaki, T.; Okaya, D.; Sutherland, R.; Stern, T.; Lidaka, T.; Ishiyama, T.; Savage, M.; Mochizuki, K.; Eberhart-Phillips, D. 2014 Seismic imaging beneath the Wellington region, North Island, New Zealand. p. 48 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Higgs, K.E.; Crouch, E.M.; Raine, J.I. 2014 Advances in reservoir characterisation of the Early to Middle Eocene Kaimiro Formation, Taranaki Basin. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Hillman, J.I.T.; Lamarche, G.; Gorman, A.R.; Pallentin, A.; Pecher, I.A.; SO226 Scientists 2014 Using sediment samples and subsurface profiles to ground truth supervised automated segmentation of multibeam backscatter from the Chatham Rise. p. 48-49 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Hills, S.F.K.; Crampton, J.S.; Marshall, B.A.; Beu, A.G.; Trewick, S.A.; Morgan-Richards, M. 2014 The evolution of New Zealand *Alcithoe*, an integration of molecular and paleontological evidence. p. 14 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Hines, B.R.; Gazley, M.; Crampton, J.S.; Bland, K.J.; Seward, D. 2014 Developing a chemostratigraphic framework for the Whangai Formation. p. 49 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Hirschberg, H.; Jacobs, K.M.; Louie, J.N.; Savage, M.K.; Bannister, S.C. 2014 Imaging the subducting Pacific Plate using aftershocks of the southern Cook Strait earthquakes. p. 50 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Hjaltadottir, S.; Hreinsdottir, S.; Vogfjord, K.; Sigmundsson, F.; Pedersen, R. 2014 Inflation-deflation signals at Eyjafjallajökull Volcano, Iceland, during a period of intermittent unrest. abstract V54A-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Hofmann, H.; Cartwright, I.; Morgenstern, U.; Gilfedder, B. 2014 How old is upland catchment water?. abstract EGU2014-4744 In: .

Hofmann, H.; Cartwright, I.; Morgenstern, U.; Gilfedder, B. 2014 How old is upland catchment water?. abstract EGU2014-4744 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Holden, C. 2014 Employing multiple approaches to simulate ground motions for scenario events. p. 20 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts.* Tainan City, Taiwan: National Cheng Kung University.

Holden, C.; Cox, S.C. 2014 Correlations between shaking characteristics, hydrological responses and shallow aquifer geology during the Canterbury 2010-2011 earthquakes. p. 51 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Holden, L.; Cas, R.; Ailleres, L.; Fournier, N.; Wallace, L.M.; Beavan, R.J. 2014 Contemporary ground deformation at the Okataina Volcanic Centre from 1998 to 2011, measured using GPS. p. 33 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts.*

Hollis, C.J.; Crouch, E.M.; Kulhanek, D.K.; Ventura, G.T.; Tayler, M.J.S. 2014 How regional transgression and short-lived climatic cooling created the Late Paleogene Waipawa Formation : implications for petroleum exploration throughout the SW Pacific. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Hollis, C.J.; Dickens, G.R. 2014 The carbon the IPCC forgot : implications for local climate change in coming centuries. p. 51 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Hollis, C.J.; Pascher, K.M.; Hines, B.R.; Littler, K.; Kulhanek, D.K.; Strong, C.P.; Zachos, J.C.; Eggins, S.M.; Phillips, A. 2014 Was the Early Eocene ocean unbearably warm or are the proxies unbelievably wrong?. p. 109-110; doi: 10.3301/ROL.2014.71 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Hopkins, J.; Leonard, G.S.; Timm, C.; Wilson, C.; Neil, H.; Millet, M-A. 2014 Trace element geochemistry of basaltic tephra in maar cores : implications for centre correlation, field evolution, and mantle source characteristics of the Auckland Volcanic Field, New Zealand. abstract V31C-4763 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Hornblow, S.; Nicol, A.; Quigley, M.; Van Dissen, R.J.; Barrell, D.J.A. 2014 Aggradation and age of Late Quaternary gravels beneath the Canterbury Plains and implications for glacial advance and retreat. p. 53-54 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Horspool, N.A.; King, A.B. 2014 Riskscape and PSHA applications in New Zealand. p. 26 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts*. Tainan City, Taiwan: National Cheng Kung University.

Howarth, J.D.; Fitzsimons, S.; Langridge, R.M.; Clark, K.J.; Cochran, U.A.; Norris, R.; Jacobsen, G. 2014 Lacustrine paleoseismometers reveal spatial and temporal patterns of rupture during the last ten large earthquakes on the Alpine Fault, New Zealand. In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Hreinsdottir, S.; Sigmundsson, F.; Roberts, M.; Bjornsson, H.; Grapenthin, R.; Arason, P.; Arnadottir, T.; Holmjarn, J.; Geirsson, H.; Bennett, R.; Gudmundsson, M.; Oddsson, B.; Ofeigsson, B.; Villemin, T.; Jonsson, T.; Sturkell, E.; Hoskuldsson, A.; Larsen, G.; Thordarson, T.; Oladottir, B. 2014 Geodetic constraints on volcanic plume height at Grímsvötn volcano, Iceland. abstract EGU2014-10068 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Hreinsdottir, S.; Wallace, L.M.; Litchfield, N.J.; D'Anastasio, E.; Denys, P.; Pearson, C. 2014 Present day vertical deformation in New Zealand. abstract EGU2014-9691 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Hudson-Doyle, E.; McClure, J.; Paton, D.; Potter, S.H.; Johnston, D.M. 2014 Communicating science advice, forecasts, warnings and scenarios. abstract cov8-abs-82 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Hudson-Doyle, E.; Paton, D.; Johnston, D.M. 2014 Exploring scientific uncertainty through table top emergency management exercises. In: *39th Annual Hazards Research and Applications Workshop, Sunday, June 22 - 25, 2014, Broomfield, Colorado : abstracts*. Boulder, Colo.: University of Colorado at Boulder.

[Top of the Section](#)

Huggins, T.J.; Peace, R.; Hill, S.R.; Johnston, D.M. 2014 Research contributions to monitoring and evaluating community disaster resilience : political considerations and technical solutions. p. 23 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014*. Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

I

Ingham, E.; Roberts, A.; Turner, G.; Heslop, D.; Ronge, T.; Conway, C.; Leonard, G.S.; Townsend, D.B.; Tiedemann, R.; Lamy, F.; Calvert, A. 2014 Sedimentary and volcanic records of the Laschamp and Mono Lake excursions from Australia and New Zealand. abstract GP53A-3758 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Inglis, G.; Farnsworth, A.; Lunt, D.; Foster, G.; Hollis, C.J.; Jardine, P.E.; Pancost, R. 2014 Unusual Red Sea-type GDGT distributions during the early Paleogene : a proxy for enhanced salinity? (Invited). abstract PP54B-08 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Insua-Arevalo, J.M.; Villamor, P.; Langridge, R.M.; Martin-Rojas, I.; Martin-Gonzalez, F.; Martinez-Diaz, J.J.; Van Dissen, R.J. 2014 New paleoseismological evidence from the Wairarapa Fault (North Island, New Zealand). abstract EGU2014-2003 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Isaac, M.J. 2014 The deal with the Devil. p. 55 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Ito, Y.; Wallace, L.M.; Henrys, S.A.; Mochizuki, K.; Williams, C.A.; Hino, R.; Ichihara, H.; Inazu, D.; Suzuki, S.; Yagi, T.; Kubota, T.; Haijima, D.; Fry, B.; Bannister, S.C. 2014 Transient crustal deformation due to slow slip observed on ocean bottom pressure recorders in the Hikurangi margin. abstract T51A-4599 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Ito, Y.; Wallace, L.M.; Henrys, S.A.; Mochizuki, K.; Williams, C.A.; Hino, R.; Ichihara, H.; Inazu, D.; Suzuki, S.; Yagi, T.; Kubota, T.; Haijima, D.; Fry, B.; Bannister, S.C. 2014 Transient crustal deformation due to slow slip observed on ocean bottom pressure recorders in the Hikurangi margin. abstract I18 In: Ito, Y.; Hirose, H.; Obara, K. (conveners) *Joint Workshop on Slow Earthquakes 2014 : the prospects for studies of slow earthquakes toward Nankai Megaquake predictions and disaster preventions, Uji campus, Kyoto University, September 8-10, 2014 : abstracts*. Kyoto University.

J

Jara, I.A.; Newnham, R.M.; Vandergoes, M.J.; Wilmshurst, J.M. 2014 New palynological investigations from New Zealand provide insights into regional and hemispheric climate variations during the Holocene period. p. 56 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Jahal, S.; Mounsey, Z.; Tuohy, R.; Johnston, D.M. 2014 Impact on health services following the Canterbury earthquakes : comparison of GP and nurse experiences. p. 25 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014*. Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

Johnston, D.M.; Becker, J.S.; Paton, D.; Johal, S. 2014 Multi-agency community engagement during disaster recovery : lessons from New Zealand for three moderate-sized earthquake events. 4 p. In: *Third International Conference on Urban Disaster Reduction : Sustainable disaster recovery : addressing risk and uncertainty, September 28-October 1, 2014, Boulder, Colorado, USA*. Oakland, Calif.: Earthquake Engineering Research Institute.

Johnston, D.M.; Potter, S.H.; Rovins, J. 2014 Integrated research on disaster risk. p. 558 In: *World Weather Open Science Conference 2014, August 16-21, 2014, Montreal, Canada : abstracts*.

Jolly, A.D.; Christenson, B.W.; Neuberg, J.; Fournier, N.; Mazot, A.; Kilgour, G.N.; Jolly, G.E. 2014 The challenges of data rate and data accuracy in the analysis of volcanic systems : an assessment using multi-parameter data from the 2012-2013 eruption sequence at White Island, New Zealand. abstract V33E-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Jolly, A.D.; Kennedy, B.; Keys, H.J.R.; Lokmer, I.; Proctor, J.; Lyons, J.J.; Jolly, G.E. 2014 A comparison of active seismic source data to seismic excitations from the 2012 Tongariro volcanic eruptions, New Zealand. abstract EGU2014-3185 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Jolly, G.E.; Keys, H.; Proctor, J.; Deligne, N.I. 2014 Overview of co-ordinated risk-based approach to science and management response and recovery for the 2012 eruptions of Tongariro volcano, New Zealand. abstract cov8-abs-49 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Jones, R.; Mackintosh, A.; Norton, K.; Golledge, N.R.; Fogwill, C. 2014 Glacial history and behaviour of Mackay Glacier, Transantarctic Mountains. p. 127 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Jones, R.S.; Mackintosh, A.; Norton, K.; Golledge, N.R.; Fogwill, C. 2014 Glacial history and behaviour of Mackay Glacier, Transantarctic Mountains. abstract EGU2014-9981 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

K

Kaiser, A.E.; Holden, C.; Massey, C.I. 2014 Seismic site amplification in the Port Hills during the Canterbury earthquake sequence : case study of critical slopes. p. 430; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

[Top of the Section](#)

Kaiser, A.E.; Holden, C.; Massey, C.I.; Benites, R.A. 2014 Site amplification, polarity and topographic effects in the Port Hills during the 2010-2011 Canterbury earthquake sequence, New Zealand. abstract S12A-06 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Kaiser, A.E.; Holden, C.; Massey, C.I.; Benites, R.A. 2014 The role of site amplification, polarity and topographic effects in the Port Hills during the Canterbury earthquake sequence. p. 58 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Kaneko, Y. 2014 Application of high performance computing to problems of earthquake source processes and seismic wave propagation. abstract SE36-A006 In: *AOGS 11th Annual Meeting, 28 Jul to 01 Aug, 2014, Royton Sapporo Hotel, Japan : [abstracts]*. Asia Oceania Geoscience Society.

Kaneko, Y. 2014 Insights into the mechanism of fault creep from geodetic observations and earthquake-cycle simulations. Abstract I25 In: Ito, Y.; Hirose, H.; Obara, K. (conveners) *Joint Workshop on Slow Earthquakes 2014 : the prospects for studies of slow earthquakes toward Nankai Megaquake predictions and disaster preventions, Uji campus, Kyoto University, September 8-10, 2014 : abstracts*. Kyoto University.

Kaneko, Y.; Shearer, P. 2014 Variability of seismic source spectra derived from cohesive-zone models of symmetrical and asymmetrical ruptures. abstract T11D-4587 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Kaufuss, U.; Lee, D.E.; Bannister, J.M.; Lindqvist, J.K.; Conran, J.G.; Reichgelt, T.; Kennedy, E.M.; Mildenhall, D.C. 2014 Paleontology of Foulden and Hindon Maars, Waipiata Volcanic Field, southern New Zealand : key sites for reconstructing early Miocene Southern Hemisphere mid-latitude terrestrial paleoecosystems. p. 102-103 In: Carrasco-Núñez, G., Aranda-Gómez, J.J., Ort, M.H., Silva-Corona, J.J. (eds) *The 5th International Maar Conference, Queretaro, Mexico, November 17-22, 2014 : Abstracts volume*. Universidad Nacional Autónoma de México.

Kees, L.; Moreau, M.; Chanut, P.; Rissmann, C.; Daughney, C.J.; Zammit, C.; Close, M. 2014 NPS 2014 : Southland's innovative and collaborative fluxes and flows research project. p. 195 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Keller, E.D.; Turnbull, J.C.; Baisden, W.T.; Brailsford, G.; Bromley, T.; Norris, M.W.; Zondervan, A. 2014 Atmospheric modeling and verification of point source fossil fuel CO₂ emissions. abstract A33F-3256 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Kennedy, E.M.; Lovis, J.D.; Raine, J.I.; Conran, J.G. 2014 Late Cretaceous and Paleocene floral structures from Northwest Nelson, New Zealand. p. 6 In: *Next generation systematics : Australasian Systematic Botany Society conference, 24-28 November 2014, Massey University, Palmerston North, New Zealand : Abstracts*. Australasian Systematic Botany Society.

[Top of the Section](#)

Kennedy, E.M.; Raine, J.I.; Crouch, E.M.; Bannister, J.M.; Morgans, H.E.G.; Conran, J.G. 2014 The Early Eocene flora from Otaio River. p. 60 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Kennedy, J.V.; Couture, P.; Leveueur, J.; Williams, G.V.M. 2014 Preparation and characterisation of ion beam sputtered BiFeO₃ thin films. p. 24-25 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014*. University of Auckland.

Kennedy, J.V.; Elayaperumal, M.; Malek, M. 2014 Few layered graphene thin-films formation on gold buffer layer by low energy carbon ion implantation. abstract PB 87 In: Temst, K.; Vandervorst, W.; Vantomme, A. (eds) *19th International Conference on Ion Beam Modification of Materials, IBMM 2014, Leuven, September 14-19, 2014 : program and abstracts*. Leuven: Instituut voor Kern- en Stralingsfysica.

Kennedy, J.V.; Leveueur, J.; Williams, G.V.M 2014 Low energy ion beam synthesis and characterisation of transition metal nanoparticles in SiO₂. abstract 00706 In: *ACMM23, ICONN 2014, 2-6 February 2014, Adelaide South Australia ; [abstracts]*.

Kennedy, J.V.; Markwitz, A. 2014 Ion beam technology for surface engineering, functional coating and surface modification of materials. p. 98 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014*. University of Auckland.

Kennedy, J.V.; Murmu, P.P.; Williams, G.V.M.; Ruck, B.; Leveueur, J.; Markwitz, A. 2014 Rare-earth doped zinc oxide : unravelling magnetic ordering, electrical and magnetotransport properties. abstract PB 78 In: Temst, K.; Vandervorst, W.; Vantomme, A. (eds) *19th International Conference on Ion Beam Modification of Materials, IBMM 2014, Leuven, September 14-19, 2014 : program and abstracts*. Leuven: Instituut voor Kern- en Stralingsfysica.

Keys, H.; Leonard, G.S.; Jolly, G.E. 2014 Managing volcanic risk at Tongariro National Park, New Zealand : how effective is it?. abstract cov8-abs-221 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Kilgour, G.N.; Bowyer, E. 2014 Recent eruptions at White Island : quantifying the amount of material lost to the geological record. p. 60 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Kilgour, G.N.; Mader, H. 2014 Rheological controls on the eruption style and size of historical eruptions from Mt. Ruapehu, New Zealand. abstract EGU2014-4677 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Kjaer, H.; Vallelonga, P.; Simonsen, M.; Neff, P.; Bertler, N.A.N.; Svensson, A.; Dahl-Jensen, D. 2014 Initial continuous chemistry results from the Roosevelt Island Ice Core (RICE). abstract C53C-0336 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Kmoch, A.; Klug, H.; White, P.A.; Bekele, M. 2014 Unified hydro-climate data search across New Zealand. p. 149 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Kmoch, A.; Klug, H.; White, P.A.; Tschritter, C.; Bekele, M. 2014 Web-based multi-dimensional data visualisation techniques for hydrogeology. p. 148 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Koons, P.O.; Upton, P.; Roy, S.G. 2014 Unifying tectonics and surface processes in geodynamics. In: *CSDMS 2014 Annual Meeting : uncertainty and sensitivity in surface dynamics modeling : May 20-22 2014 in Boulder Colorado, USA.* Community Surface Dynamics Modeling System.

Kordy, M.; Wannamaker, P.; Maris, V.; Cherkaev, E.; Hill, G.J. 2014 Three-dimensional magnetotelluric inversion including topography using deformed hexahedral edge finite elements, direct solvers and data space Gauss-Newton, parallelized on SMP computers. abstract GP24B-08 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Kravitz, K.; Upton, P.; Mueller, K. 2014 Numerical modeling of an active salt system in Canyonlands, Utah : the role of topography in driving plastic flow and brittle extension. abstract EP41B-3537 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Kulhanek, D.K.; Levy, R.H.; Morgans, H.E.G.; Zwingmann, H.; Wilson, D.; Luyendyk, B. 2014 New age constraints for Paleogene sediments in the Ross Sea and implications for Coulman High. p. 128 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts.* ISCU.

L

Lamarche, G.; Mitchell, J.; Neil, H.; Pallentin, A.; Bland, K.J.; Bowden, D.; Chiswell, S.; Gorman, R.; MacDiarmid, A. 2014 Direct hydrocarbon indicators from full water column multibeam echosounders data and baseline environmental requirements in the Pegasus Basin. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Langridge, R.M.; Ries, W.F.; Litchfield, N.J.; Van Dissen, R.J.; Villamor, P.; Heron, D.W.; Townsend, D.B.; Lee, J.M.; Lukovic, B. 2014 Active faults database of New Zealand version 2.0 at 1:250,000 scale. p. 63 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Lawrence, M.J.F.; Field, B.D. 2014 Taranaki Basin petroleum system seal characterization. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

[Top of the Section](#)

- Lawrence, M.J.F.; Morgans, H.E.G.; Beu, A.G. 2014** Carbonate lithologies recovered in dredge samples from the Reinga Basin. p. 63-64 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Lee, D.E.; Conran, J.G.; Bannister, J.M.; Mildenhall, D.C.; Kaulfuss, U. 2014** New records of leaves, flowers, fruits and pollen from the Miocene of southern New Zealand : Araliaceae, Meliaceae, Monimiaceae. p. 5 In: *Next generation systematics : Australasian Systematic Botany Society conference, 24-28 November 2014, Massey University, Palmerston North, New Zealand : Abstracts*. Australasian Systematic Botany Society.
- Lee, D.E.; Fordyce, R.E.; Conran, J.G.; Reichgelt, T.; Fox, B.; Kennedy, E.M. 2014** Biological stability during maximum marine transgression : the Paleogene - Neogene transition in New Zealand. p. 139-140; doi: 10.3301/ROL.2014.89 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31
- Lee, D.E.; Kaulfuss, U.; Bannister, J.M.; Conran, J.G.; Mildenhall, D.C.; Reichgelt, T. 2014** Forest ecosystem evolution in New Zealand over the past 20 million years – new fossils reveal complex patterns and processes. p. 62 In: Rapson, G.L. *New Zealand Ecological Society Annual Conference, Massey University, Palmerston North, 16-20 November 2014 : [Conference handbook]*. [Palmerston North, NZ]: Massey University.
- Lee, D.E.; Kaulfuss, U.; Bannister, J.M.; Conran, J.G.; Mildenhall, D.C.; Reichgelt, T.; Lindqvist, J.K. 2014** Foulden and Hindon Maars : contrasting Miocene *Konservat-Lagerstatten* deposits in Southern New Zealand. p. 64 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Lee, J.; Brook, E.; Blunier, T.; Vallelonga, P.; Bertler, N.A.N. 2014** Continuous and discrete measurements of atmospheric methane from an ice core from Roosevelt Island, East Ross Sea, Antarctica. abstract EGU2014-9078 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16
- Lee, K.C.Y.; Stott, M.B.; Morgan, X.C.; McDonald, I.; Dunfield, P. 2014** Using phenotypic, genomic, comparative genomics and NGS microbial diversity approaches to elucidate the ecology of poorly-understood microbial lineage. p. 73 In: *Molecules & microbes more -omic than ever? : NZMS / NZSBMB Joint Meeting, 18-12 November 2014 : programme & abstracts handbook*. New Zealand Microbiological Society.
- Leonard, G.S.; Stewart, C.; Wilson, T.M.; Procter, J.N.; Scott, B.J.; Keys, H.J.; Jolly, G.E.; McBride, S.K.; Wardman, J.B.; Cronin, S.J. 2014** Volcanic hazard mapping before and during the 2012 Tongariro eruptions : a collaborative audience-focussed approach. abstract cov8-abs-420 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

[Top of the Section](#)

Leonard, G.S.; Townsend, D.B.; Wilson, C.J.N.; Gravley, D.M.; Calvert, A.T.; Begg, J.G.; Downs, D.T.; Deering, C.D.; Rosenberg, M.D. 2014 Forensic analysis of caldera volcanism : integrating geomorphology, geochemistry, physical volcanology and geochronology to map and refine the history of Taupo Volcanic Zone. p. 41 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Leveueur, J.; Kremer, F.; Kennedy, J.V.; Ridgway, M.C.; Williams, G.V.M.; Metson, J.B.; Markwitz, A. 2014 Enhancement of the magnetic properties of iron nanoparticles upon incorporation of Samarium. abstract INV 9 In: Temst, K.; Vandervorst, W.; Vantomme, A. (eds) *19th International Conference on Ion Beam Modification of Materials, IBMM 2014, Leuven, September 14-19, 2014 : program and abstracts*. Leuven: Instituut voor Kern- en Stralingsfysica.

Leveueur, J.; Williams, G.V.M.; Kennedy, J.V.; Prakash, T.; Murmu, P.P. 2014 Large room temperature magnetoresistance in nanogranular materials. p. 72 In: Sohnel, T. (ed.) *Proceedings of 38th Annual Condensed Matter and Materials Meeting 2014, Waiheke Island Resort, Waiheke, Auckland, New Zealand, 4th February - 7th February, 2014*. University of Auckland.

Levy, R.H.; Bohaty, S.; Harwood, D.; Prebble, J.G.; Sangiorgi, F.; Willmott, V.; Reichgelt, T.; Greenwood, D.; Talarico, F.; Macleod, K. 2014 Evidence for a cool temperate ice-free coastal environment at high southern latitudes (78°S) during the Middle to Late Eocene. p. 129 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Levy, R.H.; Vandergoes, M.J.; Dunbar, G.; Roop, H.; Fitzsimons, S.; Wilson, G.; Florindo, F.; Howarth, J.D.; Moy, C.; Phipps, S.; Sood, A.; Stone, J.; Kaufman, D.; Ditchburn, R.G.; Li, X.; Gorman, A.; Upton, P.; Pyne, A.; Walker, S.; Purdie, J.; Yoon, H.; Moon, H.S. 2014 Connecting Holocene climate variability in Antarctica to the mid latitudes via a new high resolution record from Lake Ohau, South Island, New Zealand. p. 19-20 In: *The 20th International Symposium on Polar Sciences : our collective journey to connect the past and future from the Antarctic, May 27-29, 2014, Korea Polar Research Institute, Incheon, Republic of Korea*. Korea Polar Research Institute.

Lin, S.-L.; Horspool, N.A. 2014 Earthquake risk assessment : combining science and engineering. p. [23] In: *Society for Risk Analysis Australia & New Zealand : risk beyond the numbers : 26-27 August 2014, Palmerston North : [abstracts]*. Society for Risk Analysis. Australia and New Zealand.

Lindsey, N.; Bertrand, E.A.; Caldwell, T.G.; Gasperikova, E.; Newman, G. 2014 Exploiting full impedance tensor data with three-dimensional magnetotelluric inversion. abstract GP31A-3678 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Lister, A.; Prior, D.; McNamara, D.; Brenna, M. 2014 3D reconstruction of geothermal calcite veins using EBSD, chemical data and other machines that go ping. p. 65-66 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Litchfield, N.J.; Cochran, U.A.; Berryman, K.R.; Clark, K.J. 2014 Age and altitude of a young marine terrace on the Wairarapa coast : implications for Hikurangi Margin tectonics. p. 66 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Lopez-Coto, I.; Prasad, K.; Hu, H.; Whetstone, J.; Miles, N.; Richardson, S.; Lauvaux, T.; Davis, K.; Turnbull, J.C.; Karion, A.; Sweeney, C.; Brewer, A.; Hardesty, M.; Cambaliza, M.O.; Shepson, P.; Patarasuk, R.; Gurney, K. 2014 CO₂ biogenic vs anthropogenic sectoral contribution to INFLUX. abstract A53L-3378 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Lovett, A.P.; Cameron, S.G. 2014 Development of an aquifer map for New Zealand. p. 156 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

M

MacFarlane, J.; Adam, L.; van Wijk, K.; Shragge, J.; Higgs, K.E. 2014 Time lapse investigations on the acoustic and geochemical effects of CO₂ injection in sandstone cores. p. 69 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Marsh, O.; Rack, W.; Golledge, N.R.; Lawson, W.; Floricioiu, D. 2014 Grounding zone ice thickness from InSAR : inverse modelling of tidal elastic bending. abstract EGU2014-12733 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Martindale, H.; Morgenstern, U.; Toews, M.W.; Singh, R.; Stewart, B. 2014 Mapping groundwater-surface water interaction using radon in the Hutt River. p. 323 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Massey, C.I.; McSaveney, M.J.; Holden, C.; Kaiser, A.E. 2014 The performance of rock slopes during the 2010/11 Canterbury earthquake sequence, New Zealand. abstract NH43B-07 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

McBeth, K.; Morgenstern, U.; Lovett, A.P. 2014 Direct push sampling of groundwater in New Zealand. p. 168 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

McClure, J.; Johnston, D.M.; Henrich, L. 2014 Earthquake risk judgements before and after the Canterbury earthquakes : the contrasting effects of experience and expectancy. In: *39th Annual Hazards Research and Applications Workshop, Sunday, June 22 - 25, 2014, Broomfield, Colorado : abstracts.* Boulder, Colo.: University of Colorado at Boulder.

[Top of the Section](#)

McCubbine, J.; Smith, E.; Amos, M.; Winefield, R.; Caratori Tontini, F. 2014 Airborne gravity across New Zealand. p. 57 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

McDonald, G.; Daly, M.C.; Deligne, N.I.; Smith, N. 2014 Evaluating economic impacts of infrastructure outages : introducing the MERIT model and its applicability to volcanic disasters. abstract cov8-abs-117 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

McDowell, R.W.; Cox, N.; Daughney, C.J.; Wheeler, D.; Moreau, M. 2014 A national assessment of the potential linkage between soil, and surface and groundwater concentrations of phosphorus. p. 174 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

McKay, R.; Maas, S.; Naish, T.; Levy, R.H.; Golledge, N.; Dunbar, G.; Kuhn, G. 2014 Early Holocene retreat of the marine-based ice sheet in the Central Ross Sea. p. 18 In: *The 20th International Symposium on Polar Sciences : our collective journey to connect the past and future from the Antarctic, May 27-29, 2014, Korea Polar Research Institute, Incheon, Republic of Korea*. Korea Polar Research Institute.

McKay, R.; Maas, S.; Naish, T.; Levy, R.H.; Golledge, N.R.; Dunbar, G.; Kuhn, G. 2014 Early Holocene retreat of the marine-based ice sheet in the central Ross Sea. p. 133 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

McNamara, D.D.; Lister, A.; Prior, D.; Brenna, M. 2014 Fracture sealing in geothermal systems : a combined EBSD and chemical approach. abstract V11E-08 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

McSaveney, M.J.; Cox, S.C.; Hancox, G.T. 2014 Seeking a credible cause of the recent increase in rock-avalanche frequency in New Zealand's Southern Alps. abstract NH41A-3775 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Menzies, C.; Teagle, D.; Cox, S.C.; Boyce, A.; Hathorne, E. 2014 The drawdown of atmospheric CO₂ by hyperalkaline spring waters emanating from Cascade Spring, Dun Mountain Ophiolite Belt, New Zealand. abstract V52A-06 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Menzies, C.D.; Teagle, D.A.H.; Cox, S.C.; Boulton, C.J.; Boyce, A.J.; Barrie, C.D. 2014 Fluid-rock interaction in the Alpine Fault zone, New Zealand. p. 1670 In: *Goldschmidt2014 abstracts*. Cambridge Publications.

Mieler, D.H.; Uma, S.R. 2014 Towards improving the use of low-damage construction in New Zealand. 5 p. In: *Third International Conference on Urban Disaster Reduction : Sustainable disaster recovery : addressing risk and uncertainty, September 28-October 1, 2014, Boulder, Colorado, USA*. Oakland, Calif.: Earthquake Engineering Research Institute.

[Top of the Section](#)

Mieler, M.W.; Uma, S.R. 2014 A community-centric framework for developing seismic performance targets for buildings and lifeline systems. 4 p. In: *Third International Conference on Urban Disaster Reduction : Sustainable disaster recovery : addressing risk and uncertainty, September 28-October 1, 2014, Boulder, Colorado, USA.* Oakland, Calif.: Earthquake Engineering Research Institute.

Mildenhall, D.C. 2014 Fraud, deception and drugs : Operation Jupiter : an international forensic investigation into the fake antimalarial drug trade. p. [1] In: *2nd International Meeting in Forensic Sciences and Criminal Behaviour : book of abstracts.* Caparica: Instituto Superior de Ciências da Saúde Egas Moniz.

Miles, N.; Lauvaux, T.; Davis, K.; Richardson, S.; Deng, A.; Sarmiento, D.; Wu, K.; Sweeney, C.; Karion, A.; Hardesty, R.; Brewer, A.; Turnbull, J.C.; Iraci, L.; Hillyard, P.; Podolske, J.; Gurney, K.; Patarasuk, R.; Cambaliza, M.O.; Shepson, P.; Whetstone, J. 2014 Greenhouse gas emissions of Indianapolis using a high-density surface tower network and an atmospheric inversion. abstract A51O-05 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Miles, N.; Lavaux, T.; Davis, K.; Richardson, S.; Sarmiento, D.; Sweeney, C.; Karion, A.; Hardesty, R.M.; Turnbull, J.C.; Iraci, L.; Gurney, K.; Razlivanov, I.; Cambaliza, M.O.; Shepson, P.; Whetstone, J. 2014 Urban greenhouse gas mole fraction in-situ measurements : results from the Indianapolis Flux Experiment (INFLUX). abstract EGU2014-16873 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Misra, S.; Ellis, S.M.; Mandal, N. 2014 Fault propagation and damage in layered rocks : the effect of transverse anisotropy. p. 70-71 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Mitchell, T.A.; Davy, P.K.; Kim, N. 2014 Arsenic in outdoor air from burning of CCA-treated timber in home fires. p. 6 In: Robinson, P.; Kim, N. (compilers) *New Zealand Trace Elements Group Conference 2014, Massey University, Wellington, New Zealand; 30 June-1 July 2014 : book of abstracts.* New Zealand Trace Elements Group.

Montzka, S.; Miller, J.; Lehman, S.; Miller, B.; Hu, L.; Andrews, A.; Sweeney, C.; Dlugokencky, E.; Southon, J.; Wolak, C.; Elkins, J.; Tans, P.; Turnbull, J.C.; LaFranchi, B.; Guilderson, T.; Fischer, M. 2014 Atmosphere-based estimates of non-CO₂ greenhouse gas emissions for the U.S. derived from ¹⁴CO₂ during 2009-2012. abstract A41N-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Moore, C.; Sreekanth, J. 2014 Risk assessment of coal seam gas produced water reinjection scheme using stochastic groundwater modelling and hypothesis testing. p. 190 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Moore, C.; Turnadge, C.; Pagendam, D. 2014 Differentiating responsibility for cumulative drawdown impacts between individual stressors. p. 192 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

[Top of the Section](#)

- Moore, C.; Wallis, I. 2014** Using predictive uncertainty analysis to optimise tracer test design and data acquisition. p. 191 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.
- Moreau, M.; Daughney, C.J. 2014** Setting national baselines for trends in groundwater quality using multivariate statistical methods. p. 196 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.
- Moreau, M.F.; Hodson, R.; Rissmann, C.; Snelder, T.; Scarsbrook, M. 2014** Integrated regional vs national comparison of freshwater quality trends. p. 118-119 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.
- Moreira, L.; da Cunha, L.; Friedel, M.J.; Campos, J.; de Mendonca, F. 2014** Phosphate mineral deposits characterization using multivariate data and SOM-based processing. abstract NG31A-3790 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.
- Morgenstern, U.; Stewart, M.K.; Daughney, C.J.; Begg, J.G.; Townsend, D.B.; Martindale, H.; Matthews, A.; Roygard, J.; Clark, M.; Rissmann, C.; Chanut, P.; Hodson, R.; Davidson, P.; Hadfield, J.; Vant, B.; McDonnell, J. 2014** Transit times of baseflow in New Zealand rivers. p. 197 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.
- Moridnejad, M.; Cameron, S.G.; Shamseldin, A.; Verhagen, F.; Ward, Dudley Ward, N. 2014** Stream temperature modelling and fibre optic distributed temperature sensing to quantify groundwater discharge in the Ngongotaha Stream. p. 202 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.
- Mortimer, N.; Kohn, B.; Seward, D.; Tulloch, A.J.; Spell, T. 2014** Thermotectonic stabilisation of the basement and basins of South Zealandia. p. 73 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Mortimer, N.; Rattenbury, M.S.; King, P.R. 2014** Litho2014 : A New Zealand stratigraphic scheme for everyone. p. 72-73 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Mountjoy, J.J.; Power, W.L.; Lane, E.M.; Mueller, C.; Wang, X. 2014** Probabilistic landslide-generated tsunami hazard in Cook Strait. p. 73-74 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Mueller, C.; Kaneko, Y.; D'Anastasio, E.; Wang, X.; Wang, R.; Zhong, Y.; Ristau, J.; Benites, R.A.; Salichon, J.; Fournier, N.; Fry, B.; Holden, C.; Power, W.L.; Gledhill, K.R. 2014 A local and regional tsunami early warning system for New Zealand : a feasibility study. p. 74 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Mueller, C.; Power, W.L.; Fraser, S.A.; Wang, X. 2014 Effects of rupture complexity on local tsunami inundation : implications for probabilistic tsunami hazard assessment. p. 74-75 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Mueller, C.; Power, W.L.; Fraser, S.A.; Wang, X.; Ristau, J. 2014 Implications of rupture complexity for hazard assessment and forecasting of local and regional tsunami. abstract EGU2014-15866 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Mueller, C.; Wang, X.; Power, W.L. 2014 Investigation of the effects of earthquake rupture complexity on tsunami inundation hazard in Wellington Harbour. p. 75 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Murmu, P.; Kennedy, J.V.; Prakash, T.; Williams, G.V.M.; Leveneur, J. 2014 Synthesis and characterisation of permalloy nanoparticle for magnetic sensor application. p. 30-31 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014.* University of Auckland.

Murmu, P.P.; Markwitz, A.; Suschke, K.; Futter, R.J. 2014 Properties of hydrogenated diamond-like carbon films deposited by circular anode layer ion source. p. 44 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014.* University of Auckland.

N

Neuberg, J.; Jolly, A.D. 2014 Exciting (and modulating) very-long-period seismic signals on White Island, New Zealand. abstract EGU2014-4623 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Newman, A.; Klepeis, K.A.; Schwartz, J.J.; Stowell, H.H.; Tulloch, A.J. 2014 Strain localization and exhumation of the lower crust during Cretaceous to Tertiary extension and transtension in Fiordland, New Zealand. paper no. 58-1 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts].* Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

[Top of the Section](#)

Newnham, R.; Ryan, M.; Dunbar, G.; Vandergoes, M.J.; Neil, H.; Alloway, B.; Bostock, H.; Hua, Q. 2014 Marine-terrestrial comparisons and ocean ventilation in the East Tasman Sea during the last glacial-interglacial cycle. p. 78-79 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Newton, P.; Tabernero, P.; Dwivedi, P.; Culzoni, M.; Monge, M.; Swamidoss, I.; Mildenhall, D.C.; Green, M.; Jahnke, R.; de Oliveira, M.d-S.; Simao, J.; White, N.; Fernandez, F. 2014 Falsified medicines in Africa and public health : 'no action-talk only'. p. 572 In: *ASTMH 63rd Annual Meeting, November 2-6, 2014 : abstract book*. American Society of Tropical Medicine & Hygiene. American Journal of Tropical Medicine and Hygiene 91(5:supplement)

Nicol, A.; Van Dissen, R.J.; Stirling, M.W.; Gerstenberger, M.C.; Ries, W. 2014 Implications of historical large magnitude earthquakes for the incompleteness of New Zealand's prehistorical earthquake record. p. 79 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Norris, M.W.; Turnbull, J.C.; Trimble, M.; Keller, E.D.; Baisden, W.T.; Renwick, J. 2014 Reconstruction of historic fossil CO₂ emissions using radiocarbon measurements from tree rings. abstract A53L-3380 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

O

Ozeren, M.S.; Dimitrova, L.; Haines, A.J. 2014 A hidden deformation zone within the Cilician Taurus Mountains : analysis of the GPS data using a novel approach. abstract EGU2014-13783 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

P

Page, M.J.; Langridge, R.M.; Jones, K.E.; Stevens, G.J. 2014 The December 2011 debris flows in the Pohara-Ligar Bay area, Golden Bay. p. 35 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014*. Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

Palinkas, S.S.; Simpson, M.P.; Mauk, J.L.; Bodnar, R.J. 2014 Evolution of the mineralizing fluids in the deep part of the Waihi epithermal system, Hauraki Goldfield. p. 579-580 In: Rendell, C. (convener) *Australasian Institute of Mining and Metallurgy : 47th New Zealand Branch annual conference on exploration, mining and New Zealand's mineral resources : Kingsgate Hotel, Hamilton, New Zealand, 24-27 August 2014*. Annual conference / Australasian Institute of Mining and Metallurgy, New Zealand Branch 47

Pancost, R.; Taylor, K.; Hollis, C.J.; Crouch, E.M. 2014 Deciphering complex carbon cycle changes across the K-Pg boundary using compound-specific carbon isotopic analyses (Invited). abstract PP54B-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Park, I.; Kim, K.; Jolly, A.D. 2014 Shear-wave velocity structure beneath the Ngauruhoe Volcano, New Zealand using receiver function inversion with the genetic algorithm. abstract S11E-4382 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Parks, M.; Dumont, S.; Drouin, V.; Sigmundsson, F.; Hreinsdottir, S.; Michalczewska, K.; Hjaltadottir, S.; Ofeigsson, B.; Arnadottir, T.; Sturkell, E.; Spaans, K.; Hooper, A.; Hjartardottir, A.R.; Geirsson, H.; La Femina, P.; Heimisson, E. 2014 Long-term geodetic measurements at the most active volcanoes in Iceland : role of interferometric synthetic aperture radar and GPS in hazard monitoring at Hekla, Katla, Eyjafjallojokull and Askja Volcanoes. abstract V41B-4801 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Pascher, K.M.; Hollis, C.J.; McKay, R.M.; Cortese, G. 2014 Southern Ocean endemism evident in Late Eocene radiolarian assemblages, DSDP Site 277, Campbell Plateau (New Zealand). p. 167-168; doi: 10.3301/ROL.2014.103 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Pearson, S.C.P.; Franz, P.; Clearwater, J. 2014 Calibrating a geothermal reservoir model using microgravity data. abstract EGU2014-153-1 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Pecher, I.A.; Crutchley, G.J.; Mountjoy, J.; Gorman, A.; Fraser, D.; Kroeger, K.F.; Henrys, S.A. 2014 Double-BSRs on the Hikurangi Margin : link between gas hydrates and conventional petroleum system?. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. New Zealand Petroleum & Minerals.

Pedro, J.B.; Bostock, H.; Bitz, C.M.; Chase, B.; Cortese, G.; He, F.; Krause, C.; Steig, E.J.; van Ommen, T.D.; Vandergoes, M.J. 2014 The spatial extent and dynamics of the Antarctic cold reversal. In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Petrus, K.; Toews, M.W.; Daughney, C.J.; Cornaton, F. 2014 Striking effect of time variation in the estimation of groundwater age in the Wairarapa valley. abstract EGU2014-15361-3 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Pettinga, J.R.; Cowan, H.A.; Nicol, A.; Quigley, M.; Jongens, R.; Campbell, J.K. 2014 Structural styles of transpressional deformation along the margin of the New Zealand plate boundary : the Porters Pass-Amberley Fault zone and 2010-2012 Canterbury earthquake sequence. paper no. 319-2 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Pfister, L.; Klaus, J.; Wetzel, C.; Stewart, M.K.; McDonnell, J.; Carreras, N.M. 2014 Dominant controls on catchment hydrological functions : what can we learn from biological and isotopic tracers? (invited). abstract H21G-0800 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

[Top of the Section](#)

Pfister, L.; McDonnell, J.J.; Hissler, C.; Martinez-Carreras, N.; Gourdol, L.; Klaus, J.; Iffly, J.F.; Barnish, F.; Stewart, M.K. 2014 Geological controls on isotopic signatures of streamflow : results from a nested catchment experiment in Luxembourg (Europe). abstract EGU2014-8098 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Pittari, A.; Matheson, M.A.; Briggs, R.M.; Rosenberg, M.D. 2014 Basalt 'cricket' balls and shattered rhyolite : eruption dynamics of a basaltic tuff succession at Kinloch, Taupo Volcanic Centre. p. 83 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Potter, S.H.; Doyle, E.E.H.; Becker, J.S.; Wein, A.; Ratliff, J. 2014 Attributes of effective aftershock risk communication products : lessons learned from the Canterbury earthquakes, New Zealand. p. [24] In: *Society for Risk Analysis Australia & New Zealand : risk beyond the numbers : 26-27 August 2014, Palmerston North : [abstracts]*. Society for Risk Analysis. Australia and New Zealand.

Potter, S.H.; Jolly, G.E.; Neall, V.; Johnston, D.M.; Scott, B.J. 2014 Revising a Volcanic Alert Level system : use of social science methodologies to develop effective communication tools. abstract cov8-abs-239 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Potter, S.H.; Jolly, G.E.; Neall, V.E.; Johnston, D.M. 2014 Defining caldera unrest : the importance of recognising historical caldera unrest at Taupo Volcanic Centre, New Zealand. p. 55 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Potter, S.H.; Jolly, G.E.; Neall, V.E.; Johnston, D.M. 2014 Developing effective warning systems for hazards : lessons for weather from volcano warnings in New Zealand. p. 500 In: *World Weather Open Science Conference 2014, August 16-21, 2014, Montreal, Canada : abstracts*.

Potter, S.H.; Jolly, G.E.; Neall, V.E.; Johnston, D.M.; Scott, B.J. 2014 Introduction to New Zealand's revised volcanic alert level system. p. 39 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014*. Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

Potter, S.H.; Jolly, G.E.; Neall, V.E.; Johnston, D.M.; Scott, B.J. 2014 Revising New Zealand's volcanic alert level system : catering for calderas. p. 56 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Power, J.F.; Evans, D.W.; Wakerley, G.L.J.; Lee, C.K.; White, D.; Button, M.; Hinze, A.M.; McDonald, I.R.; Cary, S.C.; Stott, M.B. 2014 The 1000 Springs Project : an overview. p. 89 In: *Molecules & microbes more -omic than ever? : NZMS / NZSBMB Joint Meeting, 18-12 November 2014 : programme & abstracts handbook*. New Zealand Microbiological Society.

[Top of the Section](#)

Power, W.L.; Borrero, J.C.; Greer, D.; Goring, D.G. 2014 Developing robust tsunami forecasts for ports and harbours. p. 83 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Power, W.L.; Wang, X.; Massey, C.I.; Lane, E.; Fournier, N. 2014 Understanding the mechanisms for tsunami generation in Taupo Volcano. p. 57 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts*.

Prakash, T.; Williams, G.V.M.; Kennedy, J.V.; Murmu, P.P.; Leveneur, J.; Chong, S.V.; Rubanov, S. 2014 Synthesis of magnetite by arc discharge and wet-chemical methods. p. 58 In: *The 11th Asia-Pacific Conference on Materials Processing (APCMP2014), 6-9 July 2014*. University of Auckland.

Prebble, J.G.; Cortese, G.; Bostock, H.; Armand, L.; Calvo, E.; Dunbar, G.; Hayward, B.; Kienast, M.; Kim, K.; Kulhanek, D.K.; Neil, H.; Pedro, J.; Scott, G.H.; Yoon, H. 2014 Impact of a warmer world on Southern Ocean circulation and bioproductivity : the early Holocene. p. 84 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Prebble, J.G.; Kennedy, E.M.; Mildenhall, D.C.; Raine, J.I.; Reichgelt, T.; Seebeck, H. 2014 Cenozoic biogeography using pollen from the FRED database. p. 83-84 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Prebble, J.G.; Mildenhall, D.C.; Raine, J.I.; Kennedy, E.M. 2014 Ranges of New Zealand pollen through the Cenozoic. p. 22 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Prebble, J.G.; Mildenhall, D.C.; Reichgelt, T.; Allan, T.; Greenwood, D.; Levy, R.H.; Raine, J.I. 2014 Eocene - Oligocene terrestrial palynology of the CIROS-1 drillhole, McMurdo Sound, Antarctica. p. 138 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Procter, J.; Cronin, S.; Zernack, A.; Lube, G.; Keys, H.; Leonard, G.S.; Jolly, G.E. 2014 Triggering explosive hydrothermal eruptions through debris flow generation : an example from Te Maari, Tongariro, New Zealand. abstract cov8-abs-380 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014*. [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

[Top of the Section](#)

Putnam, A.E.; Schaefer, J.M.; Denton, G.H.; Kaplan, M.R.; Koffman, T.N.B.; Hall, B.L.; Lowell, T.V.; Barrell, D.J.A.; Rowan, A.; Finkel, R.C. 2014 Two pulses of warming and extensive glacier recession at Southern Hemisphere middle latitudes during Heinrich Stadials 1 and 0. paper no. 139-5 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

R

Rastin, S.J.; Unsworth, C.; Gledhill, K.R. 2014 Effect of the wavelet scale thresholding on the GeoNet P-phase picker performance for the borehole and surface stations URZ and EDRZ using the Matata swarms of 2007-2010. abstract S31C-4430 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Rattenbury, M.S. 2014 The extent of West Coast igneous rocks revealed by aeromagnetic data, New Zealand. p. 85-86 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Rawlinson, Z.J.; Friedel, M.J.; Westerhoff, R.S.; Karaoulis, M.; De Kleine, M. 2014 Mapping hydrogeological properties using helicopter electromagnetic (HEM) data in Otago. p. 221 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Reichgelt, T.; Jones, W.A.; Jones, D.T.; Bannister, J.M.; Hillman, J.I.T.; Mildenhall, D.C.; Conran, J.G.; Lee, D.E. 2014 A preliminary account of the floral diversity and climate of the Muddy Creek leafbed, Grey Lake, Central Otago. p. 86-87 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Reichgelt, T.; Kennedy, E.M.; Bannister, J.M.; Fox, B.R.S.; D'Andrea, W.J.; Lee, D.E. 2014 Seasonal climatic gradients in the Early Miocene of New Zealand. p. 87 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Reichgelt, T.; Kennedy, E.M.; Spicer, R.A.; Lee, D.E. 2014 Temperature-driven foliar physiognomic divergence of the New Zealand flora since the Early Miocene. p. 23 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington*. Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Reichgelt, T.; Kennedy, E.M.; Spicer, R.A.; Lee, W.G.; Lee, D.E. 2014 The evolution of forest leaf traits in New Zealand in response to climate. p. 72 In: Rapson, G.L. *New Zealand Ecological Society Annual Conference, Massey University, Palmerston North, 16-20 November 2014 : [Conference handbook]*. [Palmerston North, NZ]: Massey University.

[Top of the Section](#)

Reichgelt, T.; Lee, D.E.; Conran, J.G.; Kennedy, E.M.; Mildenhall, D.C.; Raine, J.I. 2014 The endemic floras of Zealandia : key components of the Cretaceous-Paleogene Gondwana expressway. p. 64 In: *10th North American Paleontological Convention, Florida Museum of Natural History : abstract book*. [Gainesville, Florida]: Paleontological Society. Special publication (Paleontological Society) 13

Reid, C.M.; Cochran, U.A.; Clark, K.J.; Litchfield, N.J.; Marsden, I.; Ries, W. 2014 Salt-marsh plants ground-truth satellite ground deformation data following the 2011 Christchurch earthquake. paper no. 272-9 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Reyes, A.G. 2014 Hikurangi Margin : geology, flow rates, water-rock interaction and relative fluid ages. abstract T43D-06 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Ries, W.; Langridge, R.M.; Villamor, P.; Litchfield, N.J.; Van Dissen, R.J.; Townsend, D.B.; Lee, J.M.; Heron, D.W.; Lukovic, B. 2014 15 years of zooming in and zooming out : developing a new single scale national active fault database of New Zealand. abstract EGU2014-9313 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Ries, W.; Langridge, R.M.; Villamor, P.; Litchfield, N.J.; Van Dissen, R.J.; Townsend, D.B.; Lee, J.M.; Heron, D.W.; Lukovic, B. 2014 15 years of zooming in and zooming out : developing a new single scale national active fault database of New Zealand. p. 88-89 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Riordan, N.K.; Turnbull, R.E.; Reid, C.M.; Bassett, K.N. 2014 The influence of the Mokihinui Metamorphic Core Complex on the Paleogene basin evolution : reactivation of Cretaceous structures in an evolving stress regime?. p. 89 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Ristau, J.; Kaneko, Y. 2014 Tsunami early warning from earthquake rupture duration and dominant period. p. 89-90 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Ritchie, A.; Schmidt, J.; Hodges, S.; Watson, B.; Kmoch, A.; White, P.A. 2014 Development of a New Zealand hydrology time series data exchange standard. p. 223 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Rockwell, T.K.; Clark, K.J.; Oskin, M.; Gamble, I.; Haaker, G.; Ucarus, G.; Kent, G.; Driscoll, N. 2014 10 m slips on the Pitas Point Thrust : M8 earthquakes in the western Transverse Ranges of Southern California. p. 518; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

[Top of the Section](#)

Roig-Planasdemunt, M.; Stewart, M.K.; Latron, J.; Llorens, P.; Morgenstern, U. 2014 Transit time determination using tritium at Vallcebre Research Catchments (NE Spain). p. 231 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Roncaglia, L.; Hollis, C.J.; Schioler, P. 2014 Palynofacies analogues and applications to hydrocarbon exploration in New Zealand. p. 104 In: Cerdeno, E. (compiler) *4th International Palaeontological Congress : the history of life : a view from the Southern Hemisphere : abstract volume*.

Roop, H.; Levy, R.H.; Dunbar, G.; Vandergoes, M.J. 2014 High-resolution records of Southern Hemisphere mid-latitude change over the last 2,000 years : a perspective from a New Zealand varve sequence. p. 397 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Roop, H.A.; Dunbar, G.B.; Vandergoes, M.J.; Levy, R.H.; Howarth, J.D.; Fitzsimons, S.; Phipps, S. 2014 A 1,200-year record of climate variability reconstructed from a laminated lacustrine sediment sequence from Lake Ohau, South Island, New Zealand. abstract PP33A-1213 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Rosenberg, M.D.; Wilson, C.; Bignall, G.; Sepulveda, F.; Ireland, T. 2014 New perspectives on the volcanic-tectonic evolution of the Wairakei-Tauhara geothermal system, Taupo Volcanic Zone, New Zealand, from U-Pb dating of zircons. abstract T53B-4685 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Rosenberg, M.D.; Wilson, C.J.N.; Bignall, G.; Alcaraz, S.A.; Sepulveda, F.; Ireland, T.R. 2014 Volcano-tectonic evolution of the Wairakei-Tauhara geothermal system : insights from U-Pb dating of zircons. p. 92 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Ross, S.L.; Jones, L.M.; Wilson, R.I.; Miller, K.; Bahng, B.; Barberopoulou, A.; Borrero, J.C.; Brosnan, D.M.; Bwarie, J.T.; Geist, E.I.; Johnson, L.A.; Kirby, S.H.; Knight, W.R.; Long, K.; Lynett, P.; Mortensen, C.E.; Nicolsky, D.J.; Oglesby, D.D.; Perry, S.C.; Plumlee, G.S.; Porter, K.A.; Real, C.R.; Ryan, K.; Suleimani, E.; Thio, H.K.; Titov, V.V.; Wein, A.; Whitmore, P.M.; Wood, N.J. 2014 The SAFRR Tsunami Scenario : improving resilience for California from a plausible M9.1 earthquake near the Alaska Peninsula. p. 532; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska*. Seismological Society of America. Seismological research letters 85(2)

Rosser, B.J.; Dellow, G.D.; Glassey, P.J.; Haubrock, S. 2014 Development of a national landslide database for New Zealand. p. 93 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Rouillard, P.; Collot, J.; Bache, F.; Sutherland, R.; Kroeger, K.F.; Funnell, R.H. 2014 Petroleum implications of stacked deltas in the Fairway Basin, offshore New Caledonia, Northern Tasman Frontier. *APPEA Journal and Conference Proceedings*, 54:

[Top of the Section](#)

Roy, S.; Koons, P.; Tucker, G.; Upton, P.; Smith, S.; Gerbi, C. 2014 Geomorphic responses to crustal deformation : the sensitivity of surface processes to bedrock displacement, weakening, and comminution associated with brittle failure. abstract EP53B-3643 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Rutter, H.; Cox, S.C.; Weir, J.; Rajannayaka, C. 2014 Potential changes to aquifer properties caused by a near-field Mw7.1 earthquake, Canterbury, New Zealand. abstract H53I-06 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

S

Sahoo, T.R. 2014 Gross depositional environment maps and risk analysis from the Mid Cretaceous to Paleocene section in the Great South Basin. p. 94-95 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Salvatore, M.; Niebuhr, S.; Morin, P.; Cox, S.C. 2014 Compositional mapping of the Transantarctic Mountains using orbital reflectance data. abstract C14B-05 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Saunders, W.S.A.; Beban, J.G.; Kilvington, M. 2014 A new twist on risk based land use planning : beyond number crunching to understanding and engagement. p. [25] In: *Society for Risk Analysis Australia & New Zealand : risk beyond the numbers : 26-27 August 2014, Palmerston North : [abstracts].* Society for Risk Analysis. Australia and New Zealand.

Saunders, W.S.A.; Beban, J.G.; Kilvington, M. 2014 A risk-based approach to land use planning for natural hazards. p. 47 In: Johnston, D.M.; Blake, D. (eds) *Building a resilient nation : Proceedings of the 7th Australasian Natural Hazards Management Conference, Te Papa, Wellington, New Zealand, 22-25 September 2014.* Lower Hutt, NZ: GNS Science. GNS Science miscellaneous series 74

Schiller, M.; Dickinson, W.; Zondervan, A.; Ditchburn, R.G.; Wang, N. 2014 Rapid soil accumulation in a frozen landscape. p. 2205 In: *Goldschmidt2014 abstracts.* Cambridge Publications.

Schwartz, J.J.; Stowell, H.H.; Klepeis, K.A.; Tulloch, A.J.; Coble, M.A.; Kylander-Clark, A.; Hacker, B. 2014 The tempo of continental margin arc construction and extensional orogenic collapse : a deep-crustal perspective from Fiordland, New Zealand. paper no. 89-11 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts].* Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Scott, D.; Moore, C. 2014 Upscaling heterogeneous alluvial aquifers. p. 245 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Seebeck, H.; Nicol, A.; Sahoo, T.R.; Tenthorey, E. 2014 Polygonal fault systems and their potential impact on seal integrity. p. 96 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

- Sefton, J.; Naish, T.R.; McKay, R.; Turner, G.; Seward, D.; Alloway, B.; Morgans, H.E.G. 2014** Milankovitch in mud : testing the influence of orbital forcing on global sea-level change using a Late Pliocene marine sedimentary record from the Wanganui Basin, New Zealand. p. 96-97 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Seltzer, A.; Stute, M.; Morgenstern, U.; Stewart, M.K.; Schaefer, J. 2014** Mean annual temperature of New Zealand during the last glacial period derived from dissolved noble gases. abstract PP51D-1156 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.
- Seton, M.; Mortimer, N.; Williams, S.E.; Quilty, P.; Meffre, S.; Gans, P.B.; Micklethwaite, S.; Moore, J.; Zahirovic, S. 2014** Reconstruction of the Melanesian back-arc basins : implications for Ontong Java Plateau accretion. paper no. 270-5 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts].* Geological Society of America. Abstracts with programs / Geological Society of America 46(6)
- Shepherd, C.L.; Kulhanek, D.K.; Crouch, E.M.; Hollis, C.J. 2014** The impact of global warming on calcareous nannofossils : an Eocene case study from Canterbury Basin, New Zealand. p. 98 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A
- Shepherd, C.L.; Kulhanek, D.K.; Hollis, C.J. 2014** Eocene nannofossil biostratigraphy of the mid-Waipara river section, Canterbury Basin, New Zealand : preliminary results. p. 197-198; doi: 10.3301/ROL.2014.118 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014.* Rome: Societa Geologica Italiana. Rendiconti Online 31
- Shepson, P.; Cambaliza, M.O.; Salmon, O.; Heimbürger, A.; Davis, K.; Lauvaux, T.; McGowan, L.; Miles, N.; Richardson, S.; Sarmiento, D.; Hardesty, M.; Karion, A.; Sweeney, C.; Iraci, L.; Hillyard, P.; Podolske, J.; Gurney, K.; Patarasuk, R.; Razlivanov, I.; Song, Y.; O'Keefe, D.; Turnbull, J.C.; Vimont, I.; Whetstone, J.; Possolo, A.; Prasad, K.; Lopez-Coto, I. 2014** Progress and developments in the Indianapolis Flux Experiment (INFLUX) (Invited). abstract A52D-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.
- Sigmundsson, F.; Hreinsdóttir, S.; Hooper, A.; Grapenthin, R.; Heimisson, E.; Ofeigsson, B.; Sturkell, E.; Roberts, M.; Gudmundsson, M.; Hoskuldsson, A.; Björnsson, H.; Arason, P.; Parks, M.; Dumont, S.; Drouin, V. 2014** Magma flow, eruption column and magma pressure change during 2010 Eyjafjallajökull and 2011 Grímsvötn eruptions, Iceland : constraints from volcano geodesy on physical models of eruptive processes (Invited). abstract V34B-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.
- Siler, D.L.; Faulds, J.E.; Mayhew, B.; McNamara, D.D. 2014** Advancements in 3D structural analysis of geothermal systems. article no. 120141 In: *AAPG Hedberg Research Conference : 3D structural geologic interpretation: earth, mind, and machine, 23-27 June 2013, Reno, Nevada USA : abstracts.* AAPG.

[Top of the Section](#)

Sim, C.Y.; Adam, L.; Pecher, I.A. 2014 Seismic data analysis on ways to monitor rock-CO₂ reactions and fluid substitution in sandstones, Pohokura Field, New Zealand. p. 98-99 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Slotnick, B.; Dickens, G.; Hollis, C.J.; Crampton, J.S.; Strong, C.P.; Dallanave, E.; Phillips, A. 2014 The onset of the Early Eocene Climatic Optimum, including the K/X event, at Branch Stream, Clarence Valley, New Zealand. abstract PP41A-1342 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Slotnick, B.S.; Dickens, G.R.; Hollis, C.J.; Crampton, J.S.; Strong, C.P.; Zachos, J.C. 2014 Extending lithologic and stable carbon isotope records at Mead Stream (New Zealand) through the Middle Eocene. p. 201-202; doi: 10.3301/ROL.2014.120 In: Dickens, G.R.; Luciani, V. (ed) *Climatic and Biotic Events of the Paleogene 2014, CBEP 2014 : selected short notes and abstracts : Ferrara, Italy, July 1-6, 2014*. Rome: Societa Geologica Italiana. Rendiconti Online 31

Smith Lyttle, B.; Glassey, P.J. 2014 3D geological model of the Dunedin urban area. In: Moore, A.; Whyte, B.; Drecki, I. (eds) *GeoCart'2014, 42nd ANZMapS Conference, 3rd ICA Regional Symposium on Cartography for Australasia and Oceania : conference proceedings*.

Smith, J.; White, P.A.; Brown, E.; Jenkins, B.; Hadfield, J. 2014 Managing groundwater and surface water interaction in the Waikato region. p. 255 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Songtham, W.; Musika, S.; Mildenhall, D.C.; Cochran, U.A.; Kojevnikova, D. 2014 Development of the Lower Central Plain of Thailand with history of human settlements : evidence from pollen, spores and diatoms. p. 6-7 In: *Abstract volume and proceedings of the Third International Symposium of the International Geosciences Programme Project 589 (IGCP-589) : development of the Asian Tethyan Realm : genesis, process and outcomes*. Tehran: Geological Survey of Iran.

Stacy, S.; Jimenez, A.; Gerstenberger, M.C.; Christophersen, A. 2014 Effect of data quality on a hybrid Coulomb/STEP model for earthquake forecasting. abstract EGU2014-7960 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014*. Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Steinhage, F.; Rutter, H.; Cox, S.C. 2014 Surface water - ground water interaction, lower Avon/Otakaro River, Christchurch. New Zealand. p. 234 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Stern, T.A.; Henrys, S.A.; Okaya, D.; Savage, M.K.; Sato, H.; Sutherland, R.; Iwasaki, T.; Louie, J. 2014 The lithosphere-asthenosphere boundary (The LAB) : why it's important, and imaging it beneath NZ with seismic methods. p. 100 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Stewart, M.K. 2014 Another fresh look at hydrograph separation : Toenepi Stream. p. 260 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Stewart, M.K. 2014 Stream responses as the sum of flow component responses. abstract EGU2014-15705 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Stewart, M.K.; Pfister, L.; Morgenstern, U.; Martinez-Carreras, N.; Gourdol, L.; Klaus, J.; McDonnell, J. 2014 On the trail of 'hidden streamflow' in Luxembourgish catchments. abstract EGU2014-15763 In: *European Geosciences Union General Assembly 2014, Vienna, Austria, 27 April - 02 May 2014.* Goettingen, Germany: Copernicus Gesellschaft. Geophysical research abstracts 16

Stewart, S.D.; Hamilton, D.P.; Baisden, W.T.; Duggan, I.; Verburg, P. 2014 Interactions between nitrogen cycling and food web dynamics in Lake Taupo. p. 335 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Stirling, C.H.; Clarkson, M.O.; Moy, C.M.; Crampton, J.S.; Porcelli, D.; Jenkyns, H.C. 2014 Global ocean anoxia during ancient 'greenhouse' climates : constraints from metal stable isotopes. p. 101 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Stirling, M.W. 2014 Incorporating active fault data into probabilistic seismic hazard models. p. 6 In: *2014 Taiwan-Japan-New Zealand Seismic Hazard Assessment Meeting : abstracts.* Tainan City, Taiwan: National Cheng Kung University.

Stirling, M.W.; Gerstenberger, M.C.; Nicol, A.; Van Dissen, R.J. 2014 Development of magnitude-frequency distributions for active faults in New Zealand. p. 101-102 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Stirling, M.W.; Rood, D.H.; Barrell, D.J.A. 2014 Using fragile geologic features to place constraints on long term seismic hazard. p. 504; doi: 10.1785/0220140014 In: *SSA Annual Meeting announcement, Seismological Society of America technical sessions, 30 April-2 May, 2014, Anchorage, Alaska.* Seismological Society of America. Seismological research letters 85(2)

Strogen, D.P.; Bland, K.J.; Baur, J.R.; Nicol, A.; Seebeck, H.; King, P.R. 2014 Rift to drift on the edge of Gondwana : Cretaceous-Eocene paleogeographic evolution of the Taranaki Basin, New Zealand. p. 102 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Strogen, D.P.; Bland, K.J.; Bull, S.; King, P.R. 2014 Regional paleogeography and seismic facies character of the Taranaki Basin : insights into petroleum system elements. 1 poster In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Strogen, D.P.; Bland, K.J.; Nicol, A.; King, P.R. 2014 Paleogeography of the Taranaki Basin region during the latest Eocene to Early Miocene and implications for the "total drowning" of Zealandia. p. 26 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Strong, D.T.; Leonard, G.S.; Turnbull, R.E. 2014 A national tephra geochemistry online data set for New Zealand. p. 103 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Stucker, V.K.; Tivey, M.; Lupton, J.E.; Walker, S.L.; Fornari, D.J.; de Ronde, C.E.J. 2014 Spatial and temporal changes to water chemistry and heat flux of the Lake Rotomahana hydrothermal system. abstract V13D-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Suganuma, Y.; Miura, H.; Zondervan, A.; Okuno, J. 2014 East Antarctic deglaciation and the link to global cooling since the Quaternary : evidence from glacial geomorphology and ¹⁰Be surface exposure dating of the Sør Rondane Mountains, Dronning Maud Land. p. 144 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts.* ISCU.

Sutherland, R.; Bache, F.; Stagpoole, V.M.; Collot, J.; Rouillard, P.; Hackney, R.; Rollet, N. 2014 Petroleum prospectivity of the Tasman Frontier. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

Swedlund, P.J.; Holtkamp, H.; Song, Y.; Daughney, C.J. 2014 Arsenate-ferrihydrite systems from minutes to months : a macroscopic and ATRIR study of an elusive equilibrium. abstract 62-GEOC In: *Abstracts of Papers / American Chemical Society.*

Sword-Daniels, V.; Rossetto, T.; Twigg, J.; Johnston, D.M.; Wilson, T.M.; Loughlin, S.; Sargeant, S.; Cole, P. 2014 The complexities of ongoing volcanic activity for the healthcare system : a case study in Montserrat, West Indies. abstract cov8-abs-57 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014.* [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Sykes, R. 2014 Maximising prospectivity for oil in New Zealand's primarily terrestrial-sourced basins. In: *Advantage NZ : Geotechnical Petroleum Forum 2014, 1-3 April 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* New Zealand Petroleum & Minerals.

[Top of the Section](#)

T

Timar, L.; Anastasiadis, S.; Kerr, S. 2014 Modelling the free allocation of nutrient discharge allowances among heterogeneous farmers - Rotorua. p. 66 In: *The Australian Agricultural and Resource Economics Society Inc. 58th Annual Conference, The Glasshouse Arts, Conference and Entertainment Centre, Port Macquarie, New South Wales, 4-7 February 2014 : handbook*. AARES.

Timm, C.; Davy, B.W.; Wysoczanski, R.J.; Hauff, F.; Hoernle, K.; Haase, K.; Leybourne, M.; Seebeck, H.; Handler, M.; Mortimer, N.; Gamble, J.; Caratori Tontini, F.; De Ronde, C.E.J. 2014 Effects of Hikurangi Plateau subduction on Kermadec arc volcanism and element transfer. p. 105 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Todd, E.K.; Williams, C.A.; Bannister, S.C.; Wallace, L.M.; Schwartz, S. 2014 Coulomb stress variations associated with slow slip, tectonic tremor, and seismicity along the northern Hikurangi Margin, New Zealand. abstract I17 In: Ito, Y.; Hirose, H.; Obara, K. (conveners) *Joint Workshop on Slow Earthquakes 2014 : the prospects for studies of slow earthquakes toward Nankai Megaquake predictions and disaster preventions, Uji campus, Kyoto University, September 8-10, 2014 : abstracts*. Kyoto University.

Toews, M.W.; Donath, F.; Mzila, D.N. 2014 How groundwater capture zone delineation techniques can be used to help inform policy for wellhead protection. p. 267 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

Townend, J.; Benson, A.; Boese, C.; Bourguignon, S.; Chamberlain, C.; Dyer, C.P.; Eccles, J.; Gulley, A.; Guo, B.; Jacobs, K.; Rawles, C.; Roecker, S.; Savage, M.; Sutherland, R.; Thurber, C.; van Wijk, K. 2014 Seismological characterization of the DFDP-2 drill-site and surroundings, Whataroa Valley, Central Alpine Fault, New Zealand. abstract T12C-03 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Trompetter, W.J.; Boulic, M.; Ancelet, T.; Davy, P.K.; Phipps, R.; Kennedy, J.V. 2014 Composition of indoor dust determined by IBA and PIXE. p. 50 In: Robinson, P.; Kim, N. (compilers) *New Zealand Trace Elements Group Conference 2014, Massey University, Wellington, New Zealand; 30 June-1 July 2014 : book of abstracts*. New Zealand Trace Elements Group.

Trompetter, W.J.; Boulic, M.; Ancelet, T.; Ramirez, J.C.G.; Davy, P.K.; Phipps, R. 2014 Air particulate sources and activity inside school classrooms. abstract OP32-6 In: *2014 International Aerosol Conference, August 31 - September 5, 2014, Bexco, Busan, Republic of Korea*.

Trompetter, W.J.; Davy, P.K.; Ancelet, T. 2014 Wintertime diurnal patterns : influencing factors including emission and deposition. abstract SS06-5 In: *2014 International Aerosol Conference, August 31 - September 5, 2014, Bexco, Busan, Republic of Korea*.

Tschritter, C.; White, P.A.; Moreau, M.; White, D. 2014 Smartphone apps for hydrogeological and geological data collection, access and visualisation. p. 337 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre*. Water Symposium 2014.

[Top of the Section](#)

Tulloch, A.J.; Spell, T.L.; Mortimer, N.; Ramezani, J. 2014 A possible mid-cretaceous metamorphic core complex under Taranaki Basin. p. 107 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Tuohy, A.; Bertler, N.A.N.; Edwards, R. 2014 Tracing anthropogenic pollution in Antarctica from the RICE core. p. 74 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts*. ISCU.

Turnbull, J.C. 2014 Atmospheric quantification of fossil fuel CO₂ emissions. 1 p. In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Turnbull, J.C.; Fletcher, S.M.; Brailsford, G.; Currie, K.; Moss, R.; Steinkamp, K.; Norris, M.W.; Zondervan, A. 2014 Long-term variability in Southern Hemisphere [Delta]¹⁴CO₂ observed at Wellington, New Zealand. abstract A32C-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Turnbull, J.C.; Karion, A.; Sweeney, C.; Newberger, T.; Lehman, S.; Davis, K.; Lauvaux, T.; Miles, N.; Richardson, S.; Shepson, P.; Cambaliza, M.O.; Gurney, K.; Patarasuk, R.; Whetstone, J. 2014 Partitioning of urban CO₂ff emissions by source sector : results from the INFLUX Project (Invited). abstract B24D-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Turnbull, R.E.; Martin, A.P.; Rattenbury, M.S. 2014 The southern South Island geochemical baseline survey. p. 107-108 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Turnbull, R.E.; Tulloch, A.J.; Palin, J.M. 2014 To see the world in a grain of sand : a single grain proxy for source rock chemistry. p. 108 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Turner, G.; Greve, A.; Kingler, R.; de Gelder, G.; Fitzsimons, S.; Howarth, J.D.; Hill, M.; Nilsson, A.; Sheppard, P. 2014 Unlocking the secrets of the geodynamo : the Southwest Pacific key. abstract GP51C-07 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

U

Upton, P.; Koons, P.O.; Howarth, J.D. 2014 How does topography control shallow geological processes?. In: *CSDMS 2014 Annual Meeting : uncertainty and sensitivity in surface dynamics modeling : May 20-22 2014 in Boulder Colorado, USA*. Community Surface Dynamics Modeling System.

[Top of the Section](#)

V

van der Raaij, R.W.; Tidswell, S.; Daughney, C.J. 2014 Review of Greater Wellington Groundwater State of the Environment monitoring network. p. 338 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Vandergoes, M.J.; Levy, R.H.; Dunbar, G.; Roop, H.; Fitzsimons, S.; Wilson, G.; Florindo, F.; Howarth, J.D.; Moy, C.; Phipps, S.; Sood, A.; Ditchburn, R.G.; Li, X.; Gorman, A.; Kaufman, D.; Upton, P.; Walker, S.; Stone, J.; Pyne, A.; Purdie, J. 2014 A new high-resolution record of South Island hydrology from Lake Ohau sediments, South Island, New Zealand. p. 398 In: *2014 SCAR Open Science Conference & CONMAP Symposium, success through international cooperation : abstracts.* ISCU.

Vandergoes, M.J.; Zink, K.-G.; Rees, A.; Newnham, R.; Li, X.; Wilmshurst, J.; Dieffenbacher-Krall, A.; Schwark, L. 2014 Paleotemperature consensus reconstructions from lipid biomarkers, pollen and chironomids : is this a dumb idea?. p. 110-111 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Vasconcelos, M.G.G.; Cronin, S.; Villamor, P.; Procter, J.; Kereszturi, G. 2014 Evaluating volcano-tectonic interactions using Terrestrial Laser Scanning, Tongariro Volcanic Centre, New Zealand. abstract cov8-abs-124 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014.* [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Vaux, F.; Hills, S.F.K.; Crampton, J.S.; Trewick, S.A.; Morgan-Richards, M. 2014 Integrated phylogenetics of a Neogastropod genus. p. 28 In: Crampton, J.S.; Hills, S.F.K. (eds) *'Geogenes V' : Geology and Genes V 2014 : a meeting of mudstone and molecules, 2nd-3rd July, 2014, Museum of New Zealand Te Papa Tongarewa, Wellington.* Wellington, NZ: Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 138

Ventura, G.T.; Field, B.D.; Bland, K.J.; Strogon, D.P.; Hollis, C.J.; Sykes, R. 2014 Effects of organic matter sulphurisation on the petroleum generation characteristics of the Late Pliocene Waipawa Formation of the East Coast Basin, New Zealand. p. 112 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Verhagen, F.T.; Cameron, S.G.; Meijer, E.C.; Lovett, A. 2014 Detection of groundwater inflow at Whakaipo Bay using temperature sensing techniques. p. 276 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Vicente, L.; Koga-Vicente, A.; Friedel, M.J.; Victoria, D.; Zullo, J.; Gomes, D.; Bayma-Silva, G. 2014 Land use and land cover change modeling using remote sensing and soft computing approach to assess sugarcane expansion impacts in tropical agriculture. abstract B33E-0215 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

[Top of the Section](#)

Villamor, P.; Benites, R.A.; Berryman, K.R. 2014 Temporal associations between faulting and volcanism at the Okataina Volcanic Centre, northern Taupo Rift : insights from numerical modelling. p. 65 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts.*

W

Wallace, L.M.; Bannister, S.C.; Fry, B.; Bartlow, N.; Williams, C.A.; Ellis, S.M.; Hamling, I.J. 2014 Causes and consequences of spatial and temporal variability of slip behavior on the Hikurangi subduction thrust, New Zealand. p. 38-39 In: *Wegener 2014 : measuring and modelling our dynamic planet : 1st - 4th September, 2014, University of Leeds, UK.* University of Leeds.

Wallace, L.M.; Bartlow, N.; Bannister, S.C.; Fry, B.; Hamling, I.J.; Williams, C.A. 2014 Investigating spatial and temporal variability of slip behaviour on the Hikurangi subduction thrust. p. 113 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Wallace, L.M.; Bartlow, N.; Hamling, I.J.; Fry, B. 2014 Quake clamps down on slow slip at the Hikurangi subduction margin, New Zealand. abstract S51E-01 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Walsh, B.; Procter, J.; Cronin, S.J.; Jolly, A.D. 2014 Using seismicity to detect the October 13th 2012 Te Maari lahar. p. 113-114 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Wang, X.; Mountjoy, J.J.; Ries, W.; Power, W.L. 2014 Modelling landslide avalanches and resulting tsunamis in a couple system. p. 51 In: *The 7th South China Sea Tsunami Workshop, Taiwan, 2014.* [Taiwan]: National Central University.

Wang, X.; Power, W.L. 2014 Tracking pollutant and debris dispersal during tsunami events. p. 114 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Wang, X.C.; Power, W.L. 2014 Modelling environmental impact of tsunamis in coastal regions. In: *AOGS 11th Annual Meeting, 28 Jul to 01 Aug, 2014, Royton Sapporo Hotel, Japan : [abstracts].* Asia Oceania Geoscience Society.

Wein, A.; Potter, S.H.; Becker, J.S.; Ratliff, J.; Hudson-Doyle, E. 2014 Aspects of decision-making for risk reduction during the prolonged earthquake sequence in Canterbury, New Zealand. abstract NH51C-02 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

[Top of the Section](#)

Wein, A.M.; Becker, J.S.; Ratliff, J.L.; Potter, S.H.; Doyle, E.E.H. 2014 Aftershock forecast communication for risk reduction in urban areas. 4 p. In: *Third International Conference on Urban Disaster Reduction : Sustainable disaster recovery : addressing risk and uncertainty, September 28-October 1, 2014, Boulder, Colorado, USA.* Oakland, Calif.: Earthquake Engineering Research Institute.

Weissert, L.; Salmond, J.; Turnbull, J.C.; Schwendenmann, L. 2014 CO₂ fluxes and concentrations in a residential area in the Southern Hemisphere. abstract A53L-3379 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Werner, M.; Marzocchi, W.; Taroni, M.; Zechar, J.; Gerstenberger, M.C.; Liukis, M.; Rhoades, D.A.; Cattania, C.; Christophersen, A.; Hainzl, S.; Helmstetter, A.; Jimenez, A.; Steacy, S.; Jordan, T. 2014 Retrospective evaluation of earthquake forecasts during the 2010-12 Canterbury, New Zealand, earthquake sequence. abstract S23A-4481 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014.* American Geophysical Union.

Westerhoff, R.S. 2014 National monthly satellite evapotranspiration for rainfall recharge estimation. p. 286 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

White, P.A.; Tschirter, C.; Raiber, M.; Hadfield, J. 2014 A case for integrated management of the groundwater and surface water in Holocene-Pleistocene coastal aquifer systems, with the example of Hauraki Plains. p. 288 In: *2014 Water Symposium : integration, the final frontier : Nov. 24 - 28, Marlborough Convention Centre.* Water Symposium 2014.

Wiesenfeld, J.A.; Schwartz, J.J.; Stowell, H.H.; Sadorski, J.F.; Burgh, K.; Klepeis, K.A.; Tulloch, A.J. 2014 Tracking the influence of crustal contributions to the deep root of a continental arc, Fiordland, New Zealand. paper no. 89-12 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts].* Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Wilson T.M.; Wilson G.; Craig H.M.; Blake D.M.; Hayes J.; Jenkins S.; Stewart C.; Cole J.W.; Johnston D.M.; Deligne N.I.; Leonard, G.S. 2014 Impacts of a future caldera eruption from the Taupo Volcanic Zone. p. 66 In: Begue, F. (ed.) *3rd International Course & 5th International Workshop on Collapse Calderas, December 5-11, 2014, Taupo, New Zealand : program & abstracts.*

Wilson, G.; Biass, S.; Bonadonna, C.; Wilson, T.; Deligne, N. 2014 Vulnerability assessment of critical infrastructure in Auckland, New Zealand from distal tephra fall sources. abstract cov8-abs-66 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014.* [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Wilson, G.; Wilson, T.; Deligne, N.I. 2014 A catalogue of disruption and damage by volcanic hazards to the critical infrastructure. cov8-abs-67 In: *Cities on Volcanoes 8 : living in harmony with volcano : bridging the will of nature to society : September 9-13, 2014.* [Yogyakarta, Indonesia]: [Universitas Gadjah Mada?].

Winefield, R.; Amos, M.; McCubbine, J.; Smith, E.; Caratori Tontini, F. 2014 New Zealand's improved vertical datum. p. 118-119 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume.* Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Section](#)

Wysoczanski, R.J.; Timm, C.; Handler, M.R.; Carey, R.J. 2014 Havre 2012 : the largest historical submarine eruption the world has never seen. p. 119 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Y

Yager, S.L.; Nicholson, K.N.; Mortimer, N. 2014 Connecting geochemistry and tectonics : Cretaceous Gondwana lavas of New Zealand. paper no. 224-15 In: *GSA 2014, 19-22 October, Vancouver, BC, Canada : [abstracts]*. Geological Society of America. Abstracts with programs / Geological Society of America 46(6)

Yin, Y.; Fry, B.; Deschamps, F.; Reyners, M.E. 2014 Azimuthal anisotropy and 3-D shear-wave velocity structures of North Island, New Zealand. abstract S21C-4466 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Z

Zinke, R.; Dolan, J.; Rhodes, E.; Van Dissen, R.J.; Langridge, R.M.; Grenader, J.; McGuire, C.; Nicol, A. 2014 Analysis of high-resolution lidar digital topographic data along the Marlborough Fault System : the Awatere and Clarence faults, South Island, New Zealand. abstract T41C-4652 In: *AGU Fall Meeting, San Francisco, 15-19 December 2014*. American Geophysical Union.

Zinke, R.; Grenader, J.R.; Dolan, J.F.; Rhodes, E.J.; Van Dissen, R.J.; Langridge, R.M.; McGuire, C.; Nicol, A. 2014 Analysis of newly acquired high-resolution lidar digital topographic data along the Marlborough fault system, South Island, New Zealand. p. 121 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

Zondervan, A.; Ditchburn, R.G.; Norton, K.; Vandergoes, M.J.; McDonnell, R.; Tremain, R.; Barrell, D.J.A.; Jones, R.; Schaefer, J.; Putnam, A. 2014 Improving capabilities of surface exposure age dating within New Zealand. p. 122 In: Holt, K.A. (ed.) *Geosciences 2014 : Annual Conference of the Geoscience Society of New Zealand, 24th – 27th November 2014, Pukekura Raceway and Function Centre, New Plymouth, New Zealand : abstract volume*. Geoscience Society of New Zealand. Geoscience Society of New Zealand miscellaneous publication 139A

[Top of the Document](#)