Joshu J Mountjoy

List of Publications by Year
in descending order

64	2,412	304743	223800
papers	citations	22 h-index	46 g-index

69	69	69	2132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tectonic and geological framework for gas hydrates and cold seeps on the Hikurangi subduction margin, New Zealand. Marine Geology, 2010, 272, 26-48.	2.1	269
2	The 2016 KaikÅura, New Zealand, Earthquake: Preliminary Seismological Report. Seismological Research Letters, 2017, 88, 727-739.	1.9	170
3	A model of active faulting in New Zealand. New Zealand Journal of Geology, and Geophysics, 2014, 57, 32-56.	1.8	147
4	Morphostructure and evolution of submarine canyons across an active margin: Cook Strait sector of the Hikurangi Margin, New Zealand. Marine Geology, 2009, 260, 45-68.	2.1	144
5	Highly variable coastal deformation in the 2016 MW7.8 KaikÅura earthquake reflects rupture complexity along a transpressional plate boundary. Earth and Planetary Science Letters, 2017, 474, 334-344.	4.4	144
6	Surface Rupture of Multiple Crustal Faults in the 2016 MwÂ7.8 KaikÅura, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1496-1520.	2.3	125
7	Earthquakes drive large-scale submarine canyon development and sediment supply to deep-ocean basins. Science Advances, 2018, 4, eaar3748.	10.3	123
8	Slow slip source characterized by lithological and geometric heterogeneity. Science Advances, 2020, 6, eaay3314.	10.3	95
9	Evolution of fluid expulsion and concentrated hydrate zones across the southern Hikurangi subduction margin, New Zealand: An analysis from depth migrated seismic data. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	74
10	Shallow methane hydrate system controls ongoing, downslope sediment transport in a lowâ€velocity active submarine landslide complex, <scp>H</scp>ikurangi <scp>M</scp>argin, <scp>N</scp>ew <scp>Z</scp>ealand. Geochemistry, Geophysics, Geosystems, 2014, 15, 4137-4156.	2.5	67
11	A topographic signature of a hydrodynamic origin for submarine gullies. Geology, 2011, 39, 115-118.	4.4	66
12	The Mw7.8 2016 KaikÅura earthquake. Bulletin of the New Zealand Society for Earthquake Engineering, 2017, 50, 73-84.	0.5	66
13	Shear zone liquefaction in mass transport deposit emplacement: A multi-scale integration of seismic reflection and outcrop data. Marine Geology, 2014, 356, 50-64.	2.1	65
14	Terrestrial-style slow-moving earthflow kinematics in a submarine landslide complex. Marine Geology, 2009, 267, 114-127.	2.1	57
15	Geomorphic response of submarine canyons to tectonic activity: Insights from the Cook Strait canyon system, New Zealand. , 2014, 10, 905-929.		49
16	Active upper plate thrust faulting in regions of low plate interface coupling, repeated slow slip events, and coastal uplift: Example from the Hikurangi Margin, New Zealand. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	44
17	Onshore to Offshore Groundâ€Surface and Seabed Rupture of the Jordanâ€“Kekerenguâ€“Needles Fault Network during the 2016 MwÂ7.8 KaikÅura Earthquake, New Zealand. Bulletin of the Seismological Society of America, 2018, 108, 1573-1595.	2.3	43
18	Geological, hydrodynamic and biogeochemical variability of a New Zealand deep-water methane cold seep during an integrated three-year time-series study. Marine Geology, 2010, 272, 189-208.	2.1	42

#	Article	IF	Citations
19	Coseismic Rupture and Preliminary Slip Estimates for the Papatea Fault and Its Role in the 2016 MwÂ7.8 KaikÅura, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1596-1622.	2.3	41
20	Calibrating the marine turbidite palaeoseismometer using the 2016 KaikÅura earthquake. Nature Geoscience, 2021, 14, 161-167.	12.9	35
21	Focused fluid seepage related to variations in accretionary wedge structure, Hikurangi margin, New Zealand. Geology, 2020, 48, 56-61.	4.4	31
22	Free gas distribution and basal shear zone development in a subaqueous landslide â€“ Insight from 3D seismic imaging of the Tuaheni Landslide Complex, New Zealand. Earth and Planetary Science Letters, 2018, 502, 231-243.	4.4	28
23	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, 2014, 104, 120-133.	1.4	26
24	Tectonic and geomorphic controls on the distribution of submarine landslides across active and passive margins, eastern New Zealand. Geological Society Special Publication, 2020, 500, 477-494.	1.3	26
25	A Fluid Pulse on the Hikurangi Subduction Margin: Evidence From a Heat Flux Transect Across the Upper Limit of Gas Hydrate Stability. Geophysical Research Letters, 2017, 44, 12,385.	4.0	25
26	Geomorphic evolution of the Malta Escarpment and implications for the Messinian evaporative drawdown in the eastern Mediterranean Sea. Geomorphology, 2019, 327, 264-283.	2.6	24
27	High-resolution seismic velocity analysis as a tool for exploring gas hydrate systems: An example from New Zealandâ€™s southern Hikurangi margin. Interpretation, 2016, 4, SA1-SA12.	1.1	21
28	Outer shelf seafloor geomorphology along a carbonate escarpment: The eastern Malta Plateau, Mediterranean Sea. Continental Shelf Research, 2016, 131, 12-27.	1.8	19
29	Sedimentation Controls on Methaneâ€Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Margin. Geochemistry, Geophysics, Geosystems, 2019, 20, 4906-4921.	2.5	17
30	Submarine Canyons and Gullies. Springer Geology, 2018, , 251-272.	0.3	17
31	Gas Hydrate Formation Amid Submarine Canyon Incision: Investigations From New Zealand's Hikurangi Subduction Margin. Geochemistry, Geophysics, Geosystems, 2017, 18, 4299-4316.	2.5	15
32	Marine Forearc Extension in the Hikurangi Margin: New Insights From Highâ€Resolution 3â€D Seismic Data. Tectonics, 2018, 37, 1472-1491.	2.8	15
33	Impact of iron release by volcanic ash alteration on carbon cycling in sediments of the northern Hikurangi margin. Earth and Planetary Science Letters, 2020, 541, 116288.	4.4	15
34	Sediment transport trends from a tropical Pacific lagoon as indicated by Homotrema rubra taphonomy: Wallis Island, Polynesia. Marine Micropaleontology, 2014, 109, 21-29.	1.2	13
35	Slow episodic movement driven by elevated pore-fluid pressures in shallow subaqueous slopes. Geomorphology, 2019, 329, 99-107.	2.6	13
36	Seismic velocity and reflectivity analysis of concentrated gas hydrate deposits on the southern Hikurangi Margin (New Zealand). Marine and Petroleum Geology, 2020, 120, 104572.	3.3	13

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37	Marine Terraces Reveal Complex Near-Shore Upper-Plate Faulting in the Northern Hikurangi Margin, New Zealand. Bulletin of the Seismological Society of America, 2020, 110, 825-849.	2.3	13
38	A new depositional model for the Tuaheni Landslide Complex, Hikurangi Margin, New Zealand. Geological Society Special Publication, 2020, 500, 551-566.	1.3	12
39	Upwardâ€Doming Zones of Gas Hydrate and Free Gas at the Bases of Gas Chimneys, New Zealand's Hikurangi Margin. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021489.	3.4	11
40	Coupled Modelling of the Failure and Tsunami of a Submarine Debris Avalanche Offshore Central New Zealand. Advances in Natural and Technological Hazards Research, 2016, , 599-606.	1.1	11
41	Polyphase Emplacement of a 30 km3 Blocky Debris Avalanche and Its Role in Slope-Gully Development. , 2012, , 213-222.		11
42	Submarine Landslides. Springer Geology, 2018, , 235-250.	0.3	10
43	Initialising landslide-generated tsunamis for probabilistic tsunami hazard assessment in Cook Strait. The International Journal of Ocean and Climate Systems, 2016, 7, 4-13.	0.8	9
44	Tsunami hazard from lacustrine mass wasting in Lake Tekapo, New Zealand. Geological Society Special Publication, 2019, 477, 413-426.	1.3	9
45	Constraining the Age and Evolution of the Tuaheni Landslide Complex, Hikurangi Margin, New Zealand, Using Poreâ€Water Geochemistry and Numerical Modeling. Geophysical Research Letters, 2020, 47, e2020GL087243.	4.0	9
46	Towards a Spatial Probabilistic Submarine Landslide Hazard Model for Submarine Canyons. Advances in Natural and Technological Hazards Research, 2016, , 589-597.	1.1	9
47	Scenario-based numerical modelling and the palaeo-historic record of tsunamis in Wallis and Futuna, Southwest Pacific. Natural Hazards and Earth System Sciences, 2015, 15, 1763-1784.	3.6	8
48	Novel Application of a Compound-Specific Stable Isotope (CSSI) Tracking Technique Demonstrates Connectivity Between Terrestrial and Deep-Sea Ecosystems via Submarine Canyons. Frontiers in Marine Science, 2020, 7, .	2.5	8
49	Predicting habitat suitability of filter-feeder communities in a shallow marine environment, New Zealand. Marine Environmental Research, 2021, 163, 105218.	2.5	8
50	Investigating the Basal Shear Zone of the Submarine Tuaheni Landslide Complex, New Zealand: A Coreâ€Logâ€Seismic Integration Study. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	8
51	Probabilistic Hazard of Tsunamis Generated by Submarine Landslides in the Cook Strait Canyon (New) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	7
52	Shallow Gas and the Development of a Weak Layer in Submarine Spreading, Hikurangi Margin (New) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	7
53	Conjugate strike-slip faulting across a subduction front driven by incipient seamount subduction. Geology, 2020, 48, 493-498.	4.4	6
54	Estimates of Methane Release From Gas Seeps at the Southern Hikurangi Margin, New Zealand. Frontiers in Earth Science, 2022, 10, .	1.8	6

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55	Submarine Mass Movements and Their Consequences: Progress and Challenges. Advances in Natural and Technological Hazards Research, 2016, , 1-12.	1.1	5
56	Seismic and lithofacies characterization of a gravity core transect down the submarine Tuaheni Landslide Complex, NE New Zealand. Geological Society Special Publication, 2019, 477, 479-495.	1.3	5
57	Seiche Effects in Lake Tekapo, New Zealand, in an Mw8.2 Alpine Fault Earthquake. Pure and Applied Geophysics, 2020, 177, 5927-5942.	1.9	4
58	The Cook Strait Canyon, New Zealand. , 2012, , 727-737.		3
59	Subaqueous mass movements in the context of observations of contemporary slope failure. Geological Society Special Publication, 2020, 500, 1-12.	1.3	3
60	High-Resolution Studies of Mass Transport Deposits: Outcrop Perspective for Understanding Modern Submarine Slope Failure and Associated Natural Hazards. , 2014, , 209-213.		2
61	Porewater Geochemical Assessment of Seismic Indications for Gas Hydrate Presence and Absence: Mahia Slope, East of New Zealandâ€™s North Island. Energies, 2022, 15, 1233.	3.1	2
62	Reply to Comments by N. Sultan on â€œSedimentation Controls on Methaneâ€Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Marginâ€• Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009005.	2.5	1
63	Submarine Canyons. , 2021, , .		0
64	Laboratory Simulations of Submarine Landslide Failure Mechanisms. ICL Contribution To Landslide Disaster Risk Reduction, 2021, , 173-178.	0.3	0