

Joshu J Mountjoy

List of Publications by Year in descending order

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64
papers

2,412
citations

304743

22
h-index

223800

46
g-index

69
all docs

69
docs citations

69
times ranked

2132
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Basal Shear Zone of the Submarine Tuaheni Landslide Complex, New Zealand: A Core-Log Seismic Integration Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	8
2	Porewater Geochemical Assessment of Seismic Indications for Gas Hydrate Presence and Absence: Mahia Slope, East of New Zealand's North Island. <i>Energies</i> , 2022, 15, 1233.	3.1	2
3	Estimates of Methane Release From Gas Seeps at the Southern Hikurangi Margin, New Zealand. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	6
4	Predicting habitat suitability of filter-feeder communities in a shallow marine environment, New Zealand. <i>Marine Environmental Research</i> , 2021, 163, 105218.	2.5	8
5	Submarine Canyons. , 2021, , .		0
6	Calibrating the marine turbidite palaeoseismometer using the 2016 Kaikōura earthquake. <i>Nature Geoscience</i> , 2021, 14, 161-167.	12.9	35
7	Upward-Doming Zones of Gas Hydrate and Free Gas at the Bases of Gas Chimneys, New Zealand's Hikurangi Margin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021489.	3.4	11
8	Laboratory Simulations of Submarine Landslide Failure Mechanisms. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021, , 173-178.	0.3	0
9	Tectonic and geomorphic controls on the distribution of submarine landslides across active and passive margins, eastern New Zealand. <i>Geological Society Special Publication</i> , 2020, 500, 477-494.	1.3	26
10	Subaqueous mass movements in the context of observations of contemporary slope failure. <i>Geological Society Special Publication</i> , 2020, 500, 1-12.	1.3	3
11	Novel Application of a Compound-Specific Stable Isotope (CSSI) Tracking Technique Demonstrates Connectivity Between Terrestrial and Deep-Sea Ecosystems via Submarine Canyons. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	8
12	Seiche Effects in Lake Tekapo, New Zealand, in an Mw8.2 Alpine Fault Earthquake. <i>Pure and Applied Geophysics</i> , 2020, 177, 5927-5942.	1.9	4
13	Impact of iron release by volcanic ash alteration on carbon cycling in sediments of the northern Hikurangi margin. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116288.	4.4	15
14	A new depositional model for the Tuaheni Landslide Complex, Hikurangi Margin, New Zealand. <i>Geological Society Special Publication</i> , 2020, 500, 551-566.	1.3	12
15	Constraining the Age and Evolution of the Tuaheni Landslide Complex, Hikurangi Margin, New Zealand, Using Pore-Water Geochemistry and Numerical Modeling. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087243.	4.0	9
16	Reply to Comments by N. Sultan on "Sedimentation Controls on Methane Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Margin". <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009005.	2.5	1
17	Seismic velocity and reflectivity analysis of concentrated gas hydrate deposits on the southern Hikurangi Margin (New Zealand). <i>Marine and Petroleum Geology</i> , 2020, 120, 104572.	3.3	13
18	Conjugate strike-slip faulting across a subduction front driven by incipient seamount subduction. <i>Geology</i> , 2020, 48, 493-498.	4.4	6

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19	Focused fluid seepage related to variations in accretionary wedge structure, Hikurangi margin, New Zealand. <i>Geology</i> , 2020, 48, 56-61.	4.4	31
20	Slow slip source characterized by lithological and geometric heterogeneity. <i>Science Advances</i> , 2020, 6, eaay3314.	10.3	95
21	Marine Terraces Reveal Complex Near-Shore Upper-Plate Faulting in the Northern Hikurangi Margin, New Zealand. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 825-849.	2.3	13
22	Seismic and lithofacies characterization of a gravity core transect down the submarine Tuaheni Landslide Complex, NE New Zealand. <i>Geological Society Special Publication</i> , 2019, 477, 479-495.	1.3	5
23	Sedimentation Controls on Methane-Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4906-4921.	2.5	17
24	Geomorphic evolution of the Malta Escarpment and implications for the Messinian evaporative drawdown in the eastern Mediterranean Sea. <i>Geomorphology</i> , 2019, 327, 264-283.	2.6	24
25	Slow episodic movement driven by elevated pore-fluid pressures in shallow subaqueous slopes. <i>Geomorphology</i> , 2019, 329, 99-107.	2.6	13
26	Tsunami hazard from lacustrine mass wasting in Lake Tekapo, New Zealand. <i>Geological Society Special Publication</i> , 2019, 477, 413-426.	1.3	9
27	Marine Forearc Extension in the Hikurangi Margin: New Insights From High-Resolution 3D Seismic Data. <i>Tectonics</i> , 2018, 37, 1472-1491.	2.8	15
28	Earthquakes drive large-scale submarine canyon development and sediment supply to deep-ocean basins. <i>Science Advances</i> , 2018, 4, eaar3748.	10.3	123
29	Surface Rupture of Multiple Crustal Faults in the 2016 Mw7.8 Kaikūra, New Zealand, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1496-1520.	2.3	125
30	Coseismic Rupture and Preliminary Slip Estimates for the Papatea Fault and Its Role in the 2016 Mw7.8 Kaikūra, New Zealand, Earthquake. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1596-1622.	2.3	41
31	Onshore to Offshore Ground-Surface and Seabed Rupture of the Jordan-Kekerengu-Needles Fault Network during the 2016 Mw7.8 Kaikūra Earthquake, New Zealand. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1573-1595.	2.3	43
32	Free gas distribution and basal shear zone development in a subaqueous landslide - Insight from 3D seismic imaging of the Tuaheni Landslide Complex, New Zealand. <i>Earth and Planetary Science Letters</i> , 2018, 502, 231-243.	4.4	28
33	Submarine Landslides. <i>Springer Geology</i> , 2018, , 235-250.	0.3	10
34	Submarine Canyons and Gullies. <i>Springer Geology</i> , 2018, , 251-272.	0.3	17
35	The 2016 Kaikūra, New Zealand, Earthquake: Preliminary Seismological Report. <i>Seismological Research Letters</i> , 2017, 88, 727-739.	1.9	170
36	Highly variable coastal deformation in the 2016 MW7.8 Kaikūra earthquake reflects rupture complexity along a transpressional plate boundary. <i>Earth and Planetary Science Letters</i> , 2017, 474, 334-344.	4.4	144

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37	A Fluid Pulse on the Hikurangi Subduction Margin: Evidence From a Heat Flux Transect Across the Upper Limit of Gas Hydrate Stability. <i>Geophysical Research Letters</i> , 2017, 44, 12,385.	4.0	25
38	Gas Hydrate Formation Amid Submarine Canyon Incision: Investigations From New Zealand's Hikurangi Subduction Margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4299-4316.	2.5	15
39	The Mw7.8 2016 Kaikōura earthquake. <i>Bulletin of the New Zealand Society for Earthquake Engineering</i> , 2017, 50, 73-84.	0.5	66
40	Probabilistic Hazard of Tsunamis Generated by Submarine Landslides in the Cook Strait Canyon (New Zealand). <i>Journal of Geophysical Research</i> , 2017, 122, 10, 10, 10, 10.	1.9	7
41	Outer shelf seafloor geomorphology along a carbonate escarpment: The eastern Malta Plateau, Mediterranean Sea. <i>Continental Shelf Research</i> , 2016, 131, 12-27.	1.8	19
42	Initialising landslide-generated tsunamis for probabilistic tsunami hazard assessment in Cook Strait. <i>The International Journal of Ocean and Climate Systems</i> , 2016, 7, 4-13.	0.8	9
43	Submarine Mass Movements and Their Consequences: Progress and Challenges. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 1-12.	1.1	5
44	Shallow Gas and the Development of a Weak Layer in Submarine Spreading, Hikurangi Margin (New Zealand). <i>Journal of Geophysical Research</i> , 2016, 121, 10, 10, 10.	1.1	7
45	High-resolution seismic velocity analysis as a tool for exploring gas hydrate systems: An example from New Zealand's southern Hikurangi margin. <i>Interpretation</i> , 2016, 4, SA1-SA12.	1.1	21
46	Towards a Spatial Probabilistic Submarine Landslide Hazard Model for Submarine Canyons. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 589-597.	1.1	9
47	Coupled Modelling of the Failure and Tsunami of a Submarine Debris Avalanche Offshore Central New Zealand. <i>Advances in Natural and Technological Hazards Research</i> , 2016, , 599-606.	1.1	11
48	Scenario-based numerical modelling and the palaeo-historic record of tsunamis in Wallis and Futuna, Southwest Pacific. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 1763-1784.	3.6	8
49	Shear zone liquefaction in mass transport deposit emplacement: A multi-scale integration of seismic reflection and outcrop data. <i>Marine Geology</i> , 2014, 356, 50-64.	2.1	65
50	Geomorphic response of submarine canyons to tectonic activity: Insights from the Cook Strait canyon system, New Zealand. <i>Journal of Geophysical Research</i> , 2014, 119, 9, 9, 9.		49
51	Sediment transport trends from a tropical Pacific lagoon as indicated by <i>Homotrema rubra</i> taphonomy: Wallis Island, Polynesia. <i>Marine Micropaleontology</i> , 2014, 109, 21-29.	1.2	13
52	A model of active faulting in New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2014, 57, 32-56.	1.8	147
53	Holocene sedimentary activity in a non-terrestrially coupled submarine canyon: Cook Strait Canyon system, New Zealand. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 104, 120-133.	1.4	26
54	Shallow methane hydrate system controls ongoing, downslope sediment transport in a low-velocity active submarine landslide complex, Hikurangi Margin, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 4137-4156.	2.5	67

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55	High-Resolution Studies of Mass Transport Deposits: Outcrop Perspective for Understanding Modern Submarine Slope Failure and Associated Natural Hazards. , 2014, , 209-213.		2
56	The Cook Strait Canyon, New Zealand. , 2012, , 727-737.		3
57	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
58	Polyphase Emplacement of a 30 km ³ Blocky Debris Avalanche and Its Role in Slope-Gully Development. , 2012, , 213-222.		11
59	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
60	A topographic signature of a hydrodynamic origin for submarine gullies. Geology, 2011, 39, 115-118.	4.4	66
61	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
62	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
63	Terrestrial-style slow-moving earthflow kinematics in a submarine landslide complex. Marine Geology, 2009, 267, 114-127.	2.1	57
64	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