

Catherine Chagu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

2,703
citations

28
h-index

50
g-index

77
ext. papers

2,996
ext. citations

3.7
avg, IF

5.2
L-index

#	Paper	IF	Citations
75	New insights of tsunami hazard from the 2011 Tohoku-oki event. <i>Marine Geology</i> , 2011 , 290, 46-50	3.3	231
74	Progress in palaeotsunami research. <i>Sedimentary Geology</i> , 2012 , 243-244, 70-88	2.8	217
73	Expanding the proxy toolkit to help identify past events □ Lessons from the 2004 Indian Ocean Tsunami and the 2009 South Pacific Tsunami. <i>Earth-Science Reviews</i> , 2011 , 107, 107-122	10.2	159
72	Sediment sources and sedimentation processes of 2011 Tohoku-oki tsunami deposits on the Sendai Plain, Japan □ Insights from diatoms, nannoliths and grain size distribution. <i>Sedimentary Geology</i> , 2012 , 282, 40-56	2.8	135
71	Geochemical signatures up to the maximum inundation of the 2011 Tohoku-oki tsunami □ Implications for the 869 AD Jogan and other palaeotsunamis. <i>Sedimentary Geology</i> , 2012 , 282, 65-77	2.8	122
70	Chemical signatures of palaeotsunamis: A forgotten proxy?. <i>Marine Geology</i> , 2010 , 271, 67-71	3.3	112
69	Erosion, deposition and landscape change on the Sendai coastal plain, Japan, resulting from the March 11, 2011 Tohoku-oki tsunami. <i>Sedimentary Geology</i> , 2012 , 282, 27-39	2.8	100
68	Applications of geochemistry in tsunami research: A review. <i>Earth-Science Reviews</i> , 2017 , 165, 203-244	10.2	94
67	The future of tsunami research following the 2011 Tohoku-oki event. <i>Sedimentary Geology</i> , 2012 , 282, 1-13	2.8	90
66	Environmental impact assessment of the 2011 Tohoku-oki tsunami on the Sendai Plain. <i>Sedimentary Geology</i> , 2012 , 282, 175-187	2.8	81
65	The use of boulders for characterising past tsunamis: Lessons from the 2004 Indian Ocean and 2009 South Pacific tsunamis. <i>Earth-Science Reviews</i> , 2011 , 107, 76-90	10.2	81
64	Extreme wave deposits on the Pacific coast of Mexico: Tsunamis or storms? □ A multi-proxy approach. <i>Geomorphology</i> , 2012 , 139-140, 360-371	4.3	76
63	Palaeotsunamis in the Pacific Islands. <i>Earth-Science Reviews</i> , 2011 , 107, 141-146	10.2	65
62	Multi-proxy records of regionally-sourced tsunamis, New Zealand. <i>Geomorphology</i> , 2010 , 118, 369-382	4.3	64
61	Heavy minerals in the 2011 Tohoku-oki tsunami deposits □ Insights into sediment sources and hydrodynamics. <i>Sedimentary Geology</i> , 2012 , 282, 57-64	2.8	58
60	Insights from geochemistry and diatoms to characterise a tsunami's deposit and maximum inundation limit. <i>Marine Geology</i> , 2015 , 359, 22-34	3.3	56
59	Sedimentary and foraminiferal evidence of the 2011 Tohoku-oki tsunami on the Sendai coastal plain, Japan. <i>Sedimentary Geology</i> , 2012 , 282, 78-89	2.8	53

58	Predecessors to the 2009 South Pacific tsunami in the Wallis and Futuna archipelago. <i>Earth-Science Reviews</i> , 2011 , 107, 91-106	10.2	50
57	Deposits, flow characteristics, and landscape change resulting from the September 2009 South Pacific tsunami in the Samoan islands. <i>Earth-Science Reviews</i> , 2011 , 107, 38-51	10.2	48
56	Geochemical and petrographical characteristics of a domed bog, Nova Scotia: a modern analogue for temperate coal deposits. <i>Organic Geochemistry</i> , 1996 , 24, 141-158	3.1	42
55	Tsunami runup and tide-gauge observations from the 14 November 2016 M7.8 Kaikūra earthquake, New Zealand. <i>Pure and Applied Geophysics</i> , 2017 , 174, 2457-2473	2.2	41
54	Late Holocene record of environmental changes, cyclones and tsunamis in a coastal lake, Mangaia, Cook Islands. <i>Island Arc</i> , 2016 , 25, 333-349	2	40
53	Predecessor to New Zealand's largest historic trans-South Pacific tsunami of 1868AD. <i>Marine Geology</i> , 2010 , 275, 155-165	3.3	35
52	Palaeotsunamis and their influence on Polynesian settlement. <i>Holocene</i> , 2012 , 22, 1067-1069	2.6	33
51	The 2011 Tohoku-oki tsunami □three years on. <i>Marine Geology</i> , 2014 , 358, 2-11	3.3	32
50	Multi-proxy evidence for small historical tsunamis leaving little or no sedimentary record. <i>Marine Geology</i> , 2017 , 385, 204-215	3.3	31
49	The Australian tsunami database: A review. <i>Progress in Physical Geography</i> , 2014 , 38, 218-240	3.5	30
48	Human Response to Extreme Events: a review of three post-tsunami disaster case studies. <i>Australian Geographer</i> , 2011 , 42, 225-239	2.1	30
47	Anatomy of sand beach ridges: Evidence from severe Tropical Cyclone Yasi and its predecessors, northeast Queensland, Australia. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 1710-1719	3.8	28
46	Tsunamigenic predecessors to the 2009 Samoa earthquake. <i>Earth-Science Reviews</i> , 2011 , 107, 128-140	10.2	27
45	A synthesis and review of the geological evidence for palaeotsunamis along the coast of southeast Australia: The evidence, issues and potential ways forward. <i>Quaternary Science Reviews</i> , 2012 , 54, 99-125	3.9	24
44	Using magnetic fabric to reconstruct the dynamics of tsunami deposition on the Sendai Plain, Japan □The 2011 Tohoku-oki tsunami. <i>Marine Geology</i> , 2014 , 358, 89-106	3.3	23
43	What is a mega-tsunami?. <i>Marine Geology</i> , 2014 , 358, 12-17	3.3	22
42	A review of palaeo-tsunamis for the Christchurch region, New Zealand. <i>Quaternary Science Reviews</i> , 2012 , 57, 136-156	3.9	20
41	The Elusive AD 1826 Tsunami, South Westland, New Zealand. <i>New Zealand Geographer</i> , 2004 , 60, 28-39	0.9	19

40	Geological evidence and sediment transport modelling for the 1946 and 1960 tsunamis in Shinmachi, Hilo, Hawaii. <i>Sedimentary Geology</i> , 2018 , 364, 319-333	2.8	17
39	Elemental Distribution and Pyrite Occurrence in a Freshwater Peatland, Alberta. <i>Journal of Geology</i> , 1996 , 104, 649-663	2	17
38	Tsunamis of the northeast Indian Ocean with a particular focus on the Bay of Bengal region: A synthesis and review. <i>Earth-Science Reviews</i> , 2012 , 114, 175-193	10.2	16
37	Assessing the Removal Efficiency of Zn, Cu, Fe and Pb in A Treatment Wetland Using Selective Sequential Extraction: A Case Study. <i>Water, Air, and Soil Pollution</i> , 2005 , 160, 161-179	2.6	16
36	New Zealand's most easterly palaeotsunami deposit confirms evidence for major trans-Pacific event. <i>Marine Geology</i> , 2018 , 404, 158-173	3.3	15
35	Effects of Inundation by the 14th November, 2016 Kaikōura Tsunami on Banks Peninsula, Canterbury, New Zealand. <i>Pure and Applied Geophysics</i> , 2017 , 174, 1855-1874	2.2	14
34	A record of local storms and trans-Pacific tsunamis, eastern Banks Peninsula, New Zealand. <i>Holocene</i> , 2017 , 27, 496-508	2.6	14
33	The Eltanin asteroid impact: possible South Pacific palaeomegatsunami footprint and potential implications for the Pliocene-Pleistocene transition. <i>Journal of Quaternary Science</i> , 2012 , 27, 660-670	2.3	14
32	Unearthing earthquakes and their tsunamis using multiple proxies: the 22 June 1932 event and a probable fourteenth-century predecessor on the Pacific coast of Mexico. <i>International Geology Review</i> , 2014 , 56, 1584-1601	2.3	13
31	The value of a Pacific-wide tsunami database to risk reduction: putting theory into practice. <i>Geological Society Special Publication</i> , 2012 , 361, 209-220	1.7	13
30	Analysis of the Mahuika comet impact tsunami hypothesis. <i>Marine Geology</i> , 2010 , 271, 292-296	3.3	13
29	Hydrological processes and chemical characteristics of low-alpine patterned wetlands, south-central New Zealand. <i>Journal of Hydrology</i> , 2010 , 385, 105-119	6	12
28	Impact of Tsunami Inundation on Soil Salinisation: Up to One Year After the 2011 Tohoku-Oki Tsunami. <i>Advances in Natural and Technological Hazards Research</i> , 2014 , 193-214	1.8	12
27	Determining flow patterns and emplacement dynamics from tsunami deposits with no visible sedimentary structure. <i>Earth Surface Processes and Landforms</i> , 2017 , 42, 763-780	3.7	11
26	Managing pollutant inputs from pastoral dairy farming to maintain water quality of a lake in a high-rainfall catchment. <i>Marine and Freshwater Research</i> , 2013 , 64, 447	2.2	11
25	New coring study in Augusta Bay expands understanding of offshore tsunami deposits (Eastern Sicily, Italy). <i>Sedimentology</i> , 2020 , 67, 1553-1576	3.3	11
24	Three large tsunamis on the non-subduction, western side of New Zealand over the past 700 years. <i>Marine Geology</i> , 2015 , 363, 243-260	3.3	10
23	N:P ratios, δ ¹⁵ N fractionation and nutrient resorption along a nitrogen to phosphorus limitation gradient in an oligotrophic wetland complex. <i>Aquatic Botany</i> , 2011 , 94, 93-101	1.8	10

22	Sedimentary fabric characterized by X-ray tomography: A case-study from tsunami deposits on the Marquesas Islands, French Polynesia. <i>Sedimentology</i> , 2020 , 67, 1207-1229	3.3	10
21	Effect of permafrost on geochemistry in a Canadian peat plateau bog. <i>Applied Geochemistry</i> , 1997 , 12, 465-472	3.5	9
20	Putting a spin on palaeotsunami deposits. <i>Earth Surface Processes and Landforms</i> , 2016 , 41, 1293-1296	3.7	8
19	Sedimentary evidence of prehistoric distant-source tsunamis in the Hawaiian Islands. <i>Sedimentology</i> , 2020 , 67, 1249-1273	3.3	8
18	A 1600 year-long sedimentary record of tsunamis and hurricanes in the Lesser Antilles (Scrub Island, Anguilla). <i>Sedimentary Geology</i> , 2021 , 412, 105806	2.8	7
17	Sedimentary and geochemical signature of the 2016 Kaikūra Tsunami at Little Pigeon Bay: A depositional benchmark for the Banks Peninsula region, New Zealand. <i>Sedimentary Geology</i> , 2018 , 369, 60-70	2.8	6
16	Preface for Special Issue of Marine Geology: In the wake of the 2011 Tohoku-oki tsunami [three years on]. <i>Marine Geology</i> , 2014 , 358, 1	3.3	6
15	Utilisation of the sedimentological and hydrochemical dynamics of the Stump Bay Wetland along Lake Taupo, New Zealand, for the recognition of paleo-shoreline indicators. <i>Sedimentary Geology</i> , 2002 , 148, 357-371	2.8	5
14	Late Holocene environmental changes and anthropogenic impact in Dee Why Lagoon, New South Wales. <i>Australian Journal of Earth Sciences</i> , 2019 , 66, 657-670	1.4	5
13	The sediment-fill of Pago Pago Bay (Tutuila Island, American Samoa): New insights on the sediment record of past tsunamis. <i>Sedimentology</i> , 2020 , 67, 1577-1600	3.3	5
12	Analysis of environmental controls on tsunami deposit texture. <i>Marine Geology</i> , 2015 , 368, 1-14	3.3	4
11	Backwash sediment record of the 2009 South Pacific Tsunami and 1960 Great Chilean Earthquake Tsunami. <i>Scientific Reports</i> , 2020 , 10, 4149	4.9	4
10	Extending the terrestrial depositional record of marine geohazards in coastal NW British Columbia. <i>Geological Society Special Publication</i> , 2019 , 477, 277-292	1.7	4
9	A 7300 year record of environmental changes in a coastal wetland (Moawhitu), New Zealand, and evidence for catastrophic overwash (tsunami?). <i>Sedimentary Geology</i> , 2020 , 407, 105746	2.8	3
8	The Waikari River tsunami: New Zealand's largest historical tsunami event. <i>Sedimentary Geology</i> , 2019 , 383, 148-158	2.8	2
7	Wrack line signatures of high-magnitude water-level events on the northwest Australian coast. <i>Marine Geology</i> , 2014 , 355, 310-317	3.3	2
6	Characterising diagnostic proxies for identifying palaeotsunamis in a tropical climatic regime, Samoan Islands 2011 ,		2
5	Recurrence of intraplate earthquakes inferred from tsunami deposits during the past 7300 years in Beppu Bay, southwest Japan. <i>Quaternary Science Reviews</i> , 2021 , 259, 106901	3.9	2

4	Large-scale erosion and overbank deposition caused by the July 2013 flood of the Abu River, Yamaguchi City, Japan. <i>Island Arc</i> , 2016 , 25, 386-399	2	2
3	Natural Hazards in Australasia 147-177		1
2	Applications of geochemical proxies in paleotsunami research 2020 , 381-401		0
1	Restoration Measures After the 2011 Tohoku-oki Tsunami and Their Impact on Tsunami Research. <i>Advances in Natural and Technological Hazards Research</i> , 2018 , 229-247	1.8	