

David R Tappin

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.

57
papers

2,576
citations

23
h-index

50
g-index

60
ext. papers

2,908
ext. citations

3.1
avg, IF

4.92
L-index

#	Paper	IF	Citations
57	The Sissano, Papua New Guinea tsunami of July 1998 offshore evidence on the source mechanism. <i>Marine Geology</i> , 2001 , 175, 1-23	3.3	276
56	New insights of tsunami hazard from the 2011 Tohoku-oki event. <i>Marine Geology</i> , 2011 , 290, 46-50	3.3	231
55	The slump origin of the 1998 Papua New Guinea Tsunami. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2002 , 458, 763-789	2.4	228
54	Landslide tsunami case studies using a Boussinesq model and a fully nonlinear tsunami generation model. <i>Natural Hazards and Earth System Sciences</i> , 2003 , 3, 391-402	3.9	207
53	The Papua New Guinea tsunami of 17 July 1998: anatomy of a catastrophic event. <i>Natural Hazards and Earth System Sciences</i> , 2008 , 8, 243-266	3.9	184
52	Did a submarine landslide contribute to the 2011 Tohoku tsunami?. <i>Marine Geology</i> , 2014 , 357, 344-361	3.3	175
51	Tsunami Generation by Submarine Mass Failure. II: Predictive Equations and Case Studies. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2005 , 131, 298-310	1.7	122
50	Modelling of the tsunami from the December 22, 2018 lateral collapse of Anak Krakatau volcano in the Sunda Straits, Indonesia. <i>Scientific Reports</i> , 2019 , 9, 11946	4.9	103
49	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
48	Sediment slump likely caused 1998 Papua New Guinea tsunami. <i>Eos</i> , 1999 , 80, 329	1.5	91
47	Seafloor morphology of the Sumatran subduction zone: Surface rupture during megathrust earthquakes?. <i>Geology</i> , 2006 , 34, 485	5	90
46	Coastal changes in the Sendai area from the impact of the 2011 Tohoku-oki tsunami: Interpretations of time series satellite images, helicopter-borne video footage and field observations. <i>Sedimentary Geology</i> , 2012 , 282, 151-174	2.8	87
45	Megatsunami deposits on Kohala volcano, Hawaii, from flank collapse of Mauna Loa. <i>Geology</i> , 2004 , 32, 741	5	72
44	The great Sumatra-Andaman earthquakes Imaging the boundary between the ruptures of the great 2004 and 2005 earthquakes. <i>Earth and Planetary Science Letters</i> , 2008 , 269, 118-130	5.3	71
43	Growth and mass wasting of volcanic centers in the northern South Sandwich arc, South Atlantic, revealed by new multibeam mapping. <i>Marine Geology</i> , 2010 , 275, 110-126	3.3	43
42	Sedimentary features of tsunami deposits Their origin, recognition and discrimination: An introduction. <i>Sedimentary Geology</i> , 2007 , 200, 151-154	2.8	36
41	Submarine mass failures as tsunami sources: their climate control. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 2417-34	3	34

40	Tectonic controls on sedimentation and diagenesis in the Tonga Trench and forearc, southwest Pacific. <i>Bulletin of the Geological Society of America</i> , 1998 , 110, 483-496	3.9	33
39	Elevated marine deposits in Bermuda record a late Quaternary megatsunami. <i>Sedimentary Geology</i> , 2007 , 200, 155-165	2.8	32
38	Source of the tsunami generated by the 1650 AD eruption of Kolumbo submarine volcano (Aegean Sea, Greece). <i>Journal of Volcanology and Geothermal Research</i> , 2016 , 321, 125-139	2.8	32
37	The English Channel tsunami of 27 June 2011: a probable meteorological source. <i>Weather</i> , 2013 , 68, 144-152	0.9	29
36	Volcanic evolution of the South Sandwich volcanic arc, South Atlantic, from multibeam bathymetry. <i>Journal of Volcanology and Geothermal Research</i> , 2013 , 265, 60-77	2.8	27
35	Phased occupation and retreat of the last British-Irish Ice Sheet in the southern North Sea; geomorphic and seismostratigraphic evidence of a dynamic ice lobe. <i>Quaternary Science Reviews</i> , 2017 , 163, 114-134	3.9	23
34	Possible Coseismic Large-scale Landslide off the Northern Coast of Papua New Guinea in July 1998: Geophysical and Geological Results from SOS Cruises. <i>Pure and Applied Geophysics</i> , 2003 , 160, 1923-1943 ^{2.2}		19
33	Mass Wasting Processes - Offshore Sumatra 2007 , 327-336		19
32	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. <i>Frontiers in Earth Science</i> , 9,	3.5	18
31	Indonesian Throughflow as a preconditioning mechanism for submarine landslides in the Makassar Strait. <i>Geological Society Special Publication</i> , 2020 , 500, 195-217	1.7	15
30	Evidence for kilometre-scale Neogene exhumation driven by compressional deformation in the Irish Sea basin system. <i>Geological Society Special Publication</i> , 2008 , 306, 91-119	1.7	14
29	Mass Transport Events and Their Tsunami Hazard 2010 , 667-684		13
28	Late cretaceous pelagic sediments, volcanic ASH and biotas from near the Louisville hotspot, Pacific Plate, paleolatitude ~42°S. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1989 , 71, 281-299 ^{2.9}		12
27	Tsunamis from submarine landslides. <i>Geology Today</i> , 2017 , 33, 190-200	0.4	11
26	Volcaniclastic gravity flow sedimentation on a frontal arc platform: The Miocene of Tonga. <i>New Zealand Journal of Geology, and Geophysics</i> , 2004 , 47, 567-587	1.6	11
25	Modeling the large runup along a narrow segment of the Kaikoura coast, New Zealand following the November 2016 tsunami from a potential landslide. <i>Ocean Engineering</i> , 2019 , 175, 113-121	3.9	9
24	Submarine landslide megablocks show half of Anak Krakatau island failed on December 22nd, 2018. <i>Nature Communications</i> , 2021 , 12, 2827	17.4	9
23	Meteorologically generated tsunami-like waves in the North Sea on 1/2 July 2015 and 28 May 2008. <i>Weather</i> , 2016 , 71, 68-74	0.9	9

22	New High-Resolution Modeling of the 2018 Palu Tsunami, Based on Supershear Earthquake Mechanisms and Mapped Coastal Landslides, Supports a Dual Source. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	9
21	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 536	2.6	8
20	Long-term record of Barents Sea Ice Sheet advance to the shelf edge from a 140,000 year record. <i>Quaternary Science Reviews</i> , 2016 , 150, 55-66	3.9	8
19	Digital elevation models in the marine domain: investigating the offshore tsunami hazard from submarine landslides. <i>Geological Society Special Publication</i> , 2010 , 345, 81-101	1.7	7
18	Reply to Mega-highstand or megatsunami? Discussion of McMurtry et al. Elevated marine deposits in Bermuda record a late Quaternary megatsunami. <i>Sed. Geol.</i> 200 (2007) 155-165 by Paul J. Hearty and Storrs L. Olson. <i>Sedimentary Geology</i> , 2008 , 203, 313-319	2.8	7
17	The importance of geologists and geology in tsunami science and tsunami hazard. <i>Geological Society Special Publication</i> , 2018 , 456, 5-38	1.7	6
16	Architecture and Failure Mechanism of the Offshore Slump Responsible For the 1998 Papua New Guinea Tsunami. <i>Advances in Natural and Technological Hazards Research</i> , 2003 , 383-389	1.8	6
15	The Subantarctic Front as a sedimentary conveyor belt for tsunamigenic submarine landslides. <i>Marine Geology</i> , 2020 , 424, 106161	3.3	6
14	Tsunamis: geology, hazards and risks Introduction. <i>Geological Society Special Publication</i> , 2018 , 456, 1-3	1.7	3
13	Multi-proxy palaeoecological approaches to submerged landscapes: a case study from 'Doggerland', in the southern North Sea 35-53		3
12	Downward-propagating eruption following vent unloading implies no direct magmatic trigger for the 2018 lateral collapse of Anak Krakatau. <i>Earth and Planetary Science Letters</i> , 2022 , 578, 117332	5.3	3
11	Convective rear-flank downdraft as driver for meteotsunami along English Channel and North Sea coasts 28-29 May 2017. <i>Natural Hazards</i> , 2021 , 106, 1445-1465	3	3
10	Bathymetry and Shallow Seismic Imaging of the 2018 Flank Collapse of Anak Krakatau. <i>Frontiers in Earth Science</i> , 2021 , 8,	3.5	3
9	The Generation of Tsunamis 2017 , 1-10		2
8	The Kinematics of a Debris Avalanche on the Sumatra Margin 2010 , 117-125		2
7	Geowave Validation with Case Studies: Accurate Geology Reproduces Observations 2012 , 517-524		2
6	The Hawaiian megatsunami of 110±10 ka: the use of microfossils in detection. <i>Journal of Micropalaeontology</i> , 2006 , 25, 55-56	2	1
5	The Continuing Underestimated Tsunami Hazard from Submarine Landslides. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021 , 343-350		1

4	Chemosynthetic seep communities triggered by seabed slumping off of northern Papua New Guinea 2020 , 875-887		1
3	Benthos Supported by the Tunnel-Valleys of the Southern North Sea 2012 , 597-612		0
2	Geological records of storms, tsunamis and other extreme events. <i>Island Arc</i> , 2016 , 25, 303-304	2	0
1	Submarine Mass Failures as Tsunami Sources [Their Climate Control] 166-194		