David R Tappin

List of Publications by Year in Descending Order

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	Downward-propagating eruption following vent unloading implies no direct magmatic trigger for the 2018 lateral collapse of Anak Krakatau. *Earth and Planetary Science Letters*, **2022**, 578, 117332	5.3	3
56	The Continuing Underestimated Tsunami Hazard from Submarine Landslides. *ICL Contribution To Landslide Disaster Risk Reduction*, **2021**, 343-350		1
55	Submarine landslide megablocks show half of Anak Krakatau island failed on December 22nd, 2018. *Nature Communications*, **2021**, 12, 2827	17.4	9
54	New High-Resolution Modeling of the 2018 Palu Tsunami, Based on Supershear Earthquake Mechanisms and Mapped Coastal Landslides, Supports a Dual Source. *Frontiers in Earth Science*, **2021**, 8,	3.5	9
53	Convective rear-flank downdraft as driver for meteotsunami along English Channel and North Sea coasts 28–29 May 2017. *Natural Hazards*, **2021**, 106, 1445-1465	3	3
52	Bathymetry and Shallow Seismic Imaging of the 2018 Flank Collapse of Anak Krakatau. *Frontiers in Earth Science*, **2021**, 8,	3.5	3
51	Mapping Recent Shoreline Changes Spanning the Lateral Collapse of Anak Krakatau Volcano, Indonesia. *Applied Sciences (Switzerland)*, **2020**, 10, 536	2.6	8
50	Indonesian Throughflow as a preconditioning mechanism for submarine landslides in the Makassar Strait. *Geological Society Special Publication*, **2020**, 500, 195-217	1.7	15
49	Chemosynthetic seep communities triggered by seabed slumping off of northern Papua New Guinea **2020**, 875-887		1
48	The Subantarctic Front as a sedimentary conveyor belt for tsunamigenic submarine landslides. *Marine Geology*, **2020**, 424, 106161	3.3	6
47	Modelling of the tsunami from the December 22, 2018 lateral collapse of Anak Krakatau volcano in the Sunda Straits, Indonesia. *Scientific Reports*, **2019**, 9, 11946	4.9	103
46	Modeling the large runup along a narrow segment of the Kaikoura coast, New Zealand following the November 2016 tsunami from a potential landslide. *Ocean Engineering*, **2019**, 175, 113-121	3.9	9
45	Tsunamis: geology, hazards and risks □ntroduction. *Geological Society Special Publication*, **2018**, 456, 1-3	1.7	3
44	The importance of geologists and geology in tsunami science and tsunami hazard. *Geological Society Special Publication*, **2018**, 456, 5-38	1.7	6
43	Phased occupation and retreat of the last British□rish Ice Sheet in the southern North Sea; geomorphic and seismostratigraphic evidence of a dynamic ice lobe. *Quaternary Science Reviews*, **2017**, 163, 114-134	3.9	23
42	Tsunamis from submarine landslides. *Geology Today*, **2017**, 33, 190-200	0.4	11
41	The Generation of Tsunamis **2017**, 1-10		2

40	Meteorologically generated tsunami-like waves in the North Sea on 1/2 July 2015 and 28 May 2008. *Weather*, **2016**, 71, 68-74	0.9	9
39	Geological records of storms, tsunamis and other extreme events. *Island Arc*, **2016**, 25, 303-304	2	0
38	Source of the tsunami generated by the 1650 AD eruption of Kolumbo submarine volcano (Aegean Sea, Greece). *Journal of Volcanology and Geothermal Research*, **2016**, 321, 125-139	2.8	32
37	Long-term record of Barents Sea Ice Sheet advance to the shelf edge from a 140,000 year record. *Quaternary Science Reviews*, **2016**, 150, 55-66	3.9	8
36	Did a submarine landslide contribute to the 2011 Tohoku tsunami?. *Marine Geology*, **2014**, 357, 344-361	3.3	175
35	Volcanic evolution of the South Sandwich volcanic arc, South Atlantic, from multibeam bathymetry. *Journal of Volcanology and Geothermal Research*, **2013**, 265, 60-77	2.8	27
34	The English Channel tsunami of 27 June 2011 – a probable meteorological source. *Weather*, **2013**, 68, 144-152	0.9	29
33	Erosion, deposition and landscape change on the Sendai coastal plain, Japan, resulting from the March 11, 2011 Tohoku-oki tsunami. *Sedimentary Geology*, **2012**, 282, 27-39	2.8	100
32	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. *Sedimentary Geology*, **2012**, 282, 151-174	2.8	87
31	Benthos Supported by the Tunnel-Valleys of the Southern North Sea **2012**, 597-612		0
30	Geowave Validation with Case Studies: Accurate Geology Reproduces Observations **2012**, 517-524		2
29	New insights of tsunami hazard from the 2011 Tohoku-oki event. *Marine Geology*, **2011**, 290, 46-50	3.3	231
28	Digital elevation models in the marine domain: investigating the offshore tsunami hazard from submarine landslides. *Geological Society Special Publication*, **2010**, 345, 81-101	1.7	7
27	Submarine mass failures as tsunami sources: their climate control. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2010**, 368, 2417-34	3	34
26	Growth and mass wasting of volcanic centers in the northern South Sandwich arc, South Atlantic, revealed by new multibeam mapping. *Marine Geology*, **2010**, 275, 110-126	3.3	43
25	The Kinematics of a Debris Avalanche on the Sumatra Margin **2010**, 117-125		2
24	Mass Transport Events and Their Tsunami Hazard **2010**, 667-684		13
23	The great Sumatra–Andaman earthquakes – Imaging the boundary between the ruptures of the great 2004 and 2005 earthquakes. *Earth and Planetary Science Letters*, **2008**, 269, 118-130	5.3	71

22	Evidence for kilometre-scale Neogene exhumation driven by compressional deformation in the Irish Sea basin system. *Geological Society Special Publication*, **2008**, 306, 91-119	1.7	14
21	The Papua New Guinea tsunami of 17 July 1998: anatomy of a catastrophic event. *Natural Hazards and Earth System Sciences*, **2008**, 8, 243-266	3.9	184
20	Reply to "Mega-highstand or megatsunami? Discussion of McMurtry et al. "Elevated marine deposits in Bermuda record a late Quaternary megatsunami" Sed. Geol. 200 (2007) 155–165" by Paul J. Hearty and Storrs L. Olson. *Sedimentary Geology*, **2008**, 203, 313-319	2.8	7
19	Elevated marine deposits in Bermuda record a late Quaternary megatsunami. *Sedimentary Geology*, **2007**, 200, 155-165	2.8	32
18	Sedimentary features of tsunami deposits: Their origin, recognition and discrimination: An introduction. *Sedimentary Geology*, **2007**, 200, 151-154	2.8	36
17	Mass Wasting Processes - Offshore Sumatra **2007**, 327-336		19
16	The Hawaiian megatsunami of 110±10 ka: the use of microfossils in detection. *Journal of Micropalaeontology*, **2006**, 25, 55-56	2	1
15	Seafloor morphology of the Sumatran subduction zone: Surface rupture during megathrust earthquakes?. *Geology*, **2006**, 34, 485	5	90
14	Tsunami Generation by Submarine Mass Failure. II: Predictive Equations and Case Studies. *Journal of Waterway, Port, Coastal and Ocean Engineering*, **2005**, 131, 298-310	1.7	122
13	Volcaniclastic gravity flow sedimentation on a frontal arc platform: The Miocene of Tonga. *New Zealand Journal of Geology, and Geophysics*, **2004**, 47, 567-587	1.6	11
12	Megatsunami deposits on Kohala volcano, Hawaii, from flank collapse of Mauna Loa. *Geology*, **2004**, 32, 741	5	72
11	Landslide tsunami case studies using a Boussinesq model and a fully nonlinear tsunami generation model. *Natural Hazards and Earth System Sciences*, **2003**, 3, 391-402	3.9	207
10	Possible Coseismic Large-scale Landslide off the Northern Coast of Papua New Guinea in July 1998: Geophysical and Geological Results from SOS Cruises. *Pure and Applied Geophysics*, **2003**, 160, 1923-1943	2.2	19
9	Architecture and Failure Mechanism of the Offshore Slump Responsible For the 1998 Papua New Guinea Tsunami. *Advances in Natural and Technological Hazards Research*, **2003**, 383-389	1.8	6
8	The slump origin of the 1998 Papua New Guinea Tsunami. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2002**, 458, 763-789	2.4	228
7	The Sissano, Papua New Guinea tsunami of July 1998—offshore evidence on the source mechanism. *Marine Geology*, **2001**, 175, 1-23	3.3	276
6	Sediment slump likely caused 1998 Papua New Guinea tsunami. *Eos*, **1999**, 80, 329	1.5	91
5	Tectonic controls on sedimentation and diagenesis in the Tonga Trench and forearc, southwest Pacific. *Bulletin of the Geological Society of America*, **1998**, 110, 483-496	3.9	33

List of Publications

4	Late cretaceous pelagic sediments, volcanic ASH and biotas from near the Louisville hotspot, Pacific Plate, paleolatitude ~42°S. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1989**, 71, 281-299	2.9	12
3	Multi-proxy palaeoecological approaches to submerged landscapes: a case study from 'Doggerland', in the southern North Sea35-53		3
2	Submarine Mass Failures as Tsunami Sources Their Climate Control166-194		
1	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. *Frontiers in Earth Science*,9,	3.5	18