Hermann M Fritz

List of Publications by Year
in descending order

86	4,708	76196	98622
papers	citations	40 h-index	67 g-index

91	91	91	3546
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Field Survey of the 27 February 2010 Chile Tsunami. Pure and Applied Geophysics, 2011, 168, 1989-2010.	0.8	266
2	Near Field Characteristics of Landslide Generated Impulse Waves. Journal of Waterway, Port, Coastal and Ocean Engineering, 2004, 130, 287-302.	0.5	263
3	Observations by the International Tsunami Survey Team in Sri Lanka. Science, 2005, 308, 1595-1595.	6.0	236
4	Hurricane Katrina storm surge distribution and field observations on the Mississippi Barrier Islands. Estuarine, Coastal and Shelf Science, 2007, 74, 12-20.	0.9	204
5	The 2011 Japan tsunami current velocity measurements from survivor videos at Kesennuma Bay using LiDAR. Geophysical Research Letters, 2012, 39, .	1.5	199
6	Lituya Bay Landslide Impact Generated Mega-Tsunami 50th Anniversary. Pure and Applied Geophysics, 2009, 166, 153-175.	0.8	169
7	Cyclone Nargis storm surge in Myanmar. Nature Geoscience, 2009, 2, 448-449.	5.4	161
8	Landslide generated impulse waves.. Experiments in Fluids, 2003, 35, 505-519.	1.1	152
9	Physical modeling of tsunamis generated by threeâ€dimensional deformable granular landslides. Journal of Geophysical Research, 2012, 117, .	3.3	146
10	2004 Indian Ocean tsunami flow velocity measurements from survivor videos. Geophysical Research Letters, 2006, 33, .	1.5	134
11	The 2010 M_w 7.8 Mentawai earthquake: Very shallow source of a rare tsunami earthquake determined from tsunami field survey and nearâ€field GPS data. Journal of Geophysical Research, 2012, 117, .	3.3	130
12	Extreme runup from the 17 July 2006 Java tsunami. Geophysical Research Letters, 2007, 34, .	1.5	120
13	Landslide generated impulse waves. 2. Hydrodynamic impact craters. Experiments in Fluids, 2003, 35, 520-532.	1.1	116
14	Hydraulics of Embankment Weirs. Journal of Hydraulic Engineering, 1998, 124, 963-971.	0.7	113
15	Wave power potential along the Atlantic coast of the southeastern USA. Renewable Energy, 2009, 34, 2197-2205.	4.3	109
16	Field Survey of the Samoa Tsunami of 29 September 2009. Seismological Research Letters, 2010, 81, 577-591.	0.8	101
17	Cyclone Gonu storm surge in Oman. Estuarine, Coastal and Shelf Science, 2010, 86, 102-106.	0.9	95
18	Numerical modeling of tidal currents and the effects of power extraction on estuarine hydrodynamics along the Georgia coast, USA. Renewable Energy, 2011, 36, 3461-3471.	4.3	87

#	Article	IF	Citations
19	Oman Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 203-218.	1.6	85
20	Sri Lanka Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 155-172.	1.6	71
21	Hybrid modeling of the megaâ€tsunami runup in Lituya Bay after half a century. Geophysical Research Letters, 2009, 36, .	1.5	68
22	Sedimentary Deposits from the 17 July 2006 Western Java Tsunami, Indonesia: Use of Grain Size Analyses to Assess Tsunami Flow Depth, Speed, and Traction Carpet Characteristics. Pure and Applied Geophysics, 2011, 168, 1951-1961.	0.8	67
23	Propagation and Inundation Characteristics of the 2011 Tohoku Tsunami on the Central Sanriku Coast. Coastal Engineering Journal, 2012, 54, 1250004-1-1250004-17.	0.7	67
24	Repeat Storm Surge Disasters of Typhoon Haiyan and Its 1897 Predecessor in the Philippines. Bulletin of the American Meteorological Society, 2016, 97, 31-48.	1.7	66
25	Ancestral heritage saves tribes during 1 April 2007 Solomon Islands tsunami. Geophysical Research Letters, 2008, 35, .	1.5	64
26	Insights on the 2009 South Pacific tsunami in Samoa and Tonga from field surveys and numerical simulations. Earth-Science Reviews, 2011, 107, 66-75.	4.0	64
27	Hurricane Disaster Assessments With Image-Driven Data Mining in High-Resolution Satellite Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2007, 45, 1631-1640.	2.7	63
28	Theoretical Assessment of Ocean Current Energy Potential for the Gulf Stream System. Marine Technology Society Journal, 2013, 47, 101-112.	0.3	61
29	GIS based multi-criteria assessment of tidal stream power potential: A case study for Georgia, USA. Renewable and Sustainable Energy Reviews, 2011, 15, 2310-2321.	8.2	56
30	Physical modelling of tsunamis generated by three-dimensional deformable granular landslides on planar and conical island slopes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160052.	1.0	53
31	Madagascar Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 263-283.	1.6	50
32	Northern Sumatra Field Survey after the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 93-104.	1.6	49
33	Twin Tsunamis Triggered by the 12 January 2010 Haiti Earthquake. Pure and Applied Geophysics, 2013, 170, 1463-1474.	0.8	49
34	Hurricane Katrina Storm Surge Reconnaissance. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 644-656.	1.5	47
35	The 15 August 2007 Peru tsunami runup observations and modeling. Geophysical Research Letters, 2008, 35, .	1.5	46
36	Slip distribution from the 1 April 2007 Solomon Islands earthquake: A unique image of nearâ€trench rupture. Geophysical Research Letters, 2009, 36, .	1.5	46

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37	Typhoon Haiyan overwash sediments from Leyte Gulf coastlines show local spatial variations with hybrid storm and tsunami signatures. Sedimentary Geology, 2017, 358, 121-138.	1.0	46
38	Somalia Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 219-233.	1.6	44
39	The 11 March 2011 Tohoku Tsunami Survey in Rikuzentakata and Comparison with Historical Events. Pure and Applied Geophysics, 2013, 170, 1033-1046.	0.8	44
40	National geodatabase of tidal stream power resource in USA. Renewable and Sustainable Energy Reviews, 2012, 16, 3326-3338.	8.2	42
41	Maldives Field Survey after the December 2004 Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 137-154.	1.6	41
42	Laboratory experiments on three-dimensional deformable granular landslides on planar and conical slopes. Landslides, 2018, 15, 1713-1730.	2.7	32
43	Three Dimensional Landslide Generated Tsunamis: Numerical and Physical Model Comparisons. Landslides, 2020, 17, 1145-1161.	2.7	32
44	Karrat Fjord (Greenland) tsunamigenic landslide of 17 June 2017: initial 3D observations. Landslides, 2018, 15, 327-332.	2.7	31
45	Field Survey and Numerical Modelling of the December 22, 2018 Anak Krakatau Tsunami. Pure and Applied Geophysics, 2020, 177, 2457-2475.	0.8	31
46	Micropaleontology of the 2013 Typhoon Haiyan overwash sediments from the Leyte Gulf, Philippines. Sedimentary Geology, 2016, 339, 104-114.	1.0	30
47	Evaluating the potential for energy extraction from turbines in the gulf stream system. Renewable Energy, 2014, 72, 12-21.	4.3	29
48	The energetic 2010 MW 7.1 Solomon Islands tsunami earthquake. Geophysical Journal International, 2011, 186, 775-781.	1.0	27
49	Short Wave Amplification and Extreme Runup by the 2011 Tohoku Tsunami. Pure and Applied Geophysics, 2014, 171, 3217-3228.	0.8	27
50	Pneumatic Landslide Generator. International Journal of Fluid Power, 2003, 4, 49-57.	0.7	26
51	National geodatabase of ocean current power resource in USA. Renewable and Sustainable Energy Reviews, 2015, 44, 496-507.	8.2	26
52	Depth Inversion in the Surf Zone with Inclusion of Wave Nonlinearity Using Video-Derived Celerity. Journal of Waterway, Port, Coastal and Ocean Engineering, 2011, 137, 95-106.	0.5	25
53	Tsunami Hydrodynamics in the Columbia River. Journal of Disaster Research, 2012, 7, 604-608.	0.4	25
54	Observations and Modeling of the August 27, 2012 Earthquake and Tsunami affecting El Salvador and Nicaragua. Pure and Applied Geophysics, 2014, 171, 3421-3435.	0.8	23

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55	Solomon Islands Tsunami, One Year Later. Eos, 2008, 89, 169-170.	0.1	20
56	Runup of granular landslideâ€generated tsunamis on planar coasts and conical islands. Journal of Geophysical Research: Oceans, 2017, 122, 6901-6922.	1.0	19
57	Field Survey of the 1945 Makran and 2004 Indian Ocean Tsunamis in Baluchistan, Iran. Pure and Applied Geophysics, 2015, 172, 3343-3356.	0.8	16
58	Sedimentological characteristics of the 2015 Tropical Cyclone Pam overwash sediments from Vanuatu, South Pacific. Marine Geology, 2018, 396, 205-214.	0.9	16
59	Socotra Island, Yemen: field survey of the 2004 Indian Ocean tsunami. Natural Hazards, 2008, 46, 107-117.	1.6	15
60	Delayed Survey of the 2011 Tohoku Tsunami in the Former Exclusion Zone in Minami-Soma, Fukushima Prefecture. Pure and Applied Geophysics, 2014, 171, 3229-3240.	0.8	15
61	Introduction to â€œTsunami Science: Ten Years After the 2004 Indian Ocean Tsunami. Volume Iâ€• Pure and Applied Geophysics, 2015, 172, 615-619.	0.8	15
62	Foraminifera reveal a shallow nearshore origin for overwash sediments deposited by Tropical Cyclone Pam in Vanuatu (South Pacific). Marine Geology, 2018, 396, 171-185.	0.9	15
63	2004 SUMATRA-ANDAMAN TSUNAMI SURVEYS IN THE COMORO ISLANDS AND TANZANIA AND REGIONAL TSUNAMI HAZARD FROM FUTURE SUMATRA EVENTS. South African Journal of Geology, 2009, 112, 343-358.	0.6	13
64	Numerical simulations of the 2004ÂIndian Ocean tsunami deposits' thicknesses and emplacements. Natural Hazards and Earth System Sciences, 2019, 19, 1265-1280.	1.5	9
65	Introduction to â€œGlobal Tsunami Science: Past and Future, Volume IIâ€• Pure and Applied Geophysics, 2017, 174, 2883-2889.	0.8	8
66	Experiments on Tsunamis Generated by 3D Granular Landslides. , 2010, , 705-718.		8
67	Introduction to â€œTsunami Science: Ten Years after the 2004 Indian Ocean Tsunami. Volume II.â€• Pure and Applied Geophysics, 2015, 172, 3265-3270.	0.8	7
68	Introduction to â€œGlobal Tsunami Science: Past and Future, Volume Iâ€• Pure and Applied Geophysics, 2016, 173, 3663-3669.	0.8	7
69	Coastal Vulnerability Assessment Based on Historic Tropical Cyclones in the Arabian Sea. , 2010, , 207-214.		7
70	Introduction to â€œTsunamis in the Pacific Ocean: 2011â€“2012â€• Pure and Applied Geophysics, 2014, 171, 3175-3182.	0.8	6
71	Stratigraphic evidence of two historical tsunamis on the semi-arid coast of north-central Chile. Quaternary Science Reviews, 2021, 266, 107052.	1.4	6
72	Cyclone Nargis Storm Surge Flooding in Myanmar's Ayeyarwady River Delta. , 2010, , 295-303.		6

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73	Observations and Modeling of Cyclone Nargis Storm Surge in Myanmar. , 2011, , .		5
74	Source Models and Near-Field Impact of the 1 April 2007 Solomon Islands Tsunami. Pure and Applied Geophysics, 2015, 172, 657-682.	0.8	5
75	Tsunami Generation by 3D Deformable Granular Landslides. , 2011, , .		3
76	PHYSICAL MODELING OF LANDSLIDE GENERATED TSUNAMI. , 2006, , .		3
77	Introduction to â€œGlobal Tsunami Science: Past and Future, Volume IIIâ€• Pure and Applied Geophysics, 2018, 175, 1231-1237.	0.8	2
78	2011 TOHOKU TSUNAMI RUNUP AND DEVASTATING DAMAGES AROUND YAMADA BAY, IWATE: SURVEYS AND NUMERICAL SIMULATION. Coastal Engineering Proceedings, 2012, 1, 4.	0.1	2
79	After the storm. Nature Geoscience, 2009, 2, 528-528.	5.4	1
80	Introduction to Global Tsunami Science: Past and Future, Volume I. Pageoph Topical Volumes, 2016, , 3663-3669.	0.2	1
81	A BRIEF OVERVIEW ON THE POST-TSUNAMI SURVEY IN THE SANRIKU COAST, JAPAN. , 2011, , 91-98.		1
82	Observations and Modeling of the 27 February 2010 Tsunami in Chile. , 2011, , .		0
83	Preface: New challenges for tsunami science: understanding tsunami processes to improve mitigation and enhance early warning. Natural Hazards and Earth System Sciences, 2016, 16, 1855-1857.	1.5	0
84	Impulse waves from laboratory scale to mega-tsunamis. , 2004, , 93-108.		0
85	The April 2007 Solomon Islands Earthquake, Tsunami, and Land Level Changes. , 2008, , .		0
86	Introduction to â€˜â€˜Global Tsunami Science: Past and Future, Volume IIIâ€™â€™. Pageoph Topical Volumes, 2019, 1-7.	0.2	0