Finn LÃ¸vholt

List of Publications by Year
in descending order

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83
papers

3,728
citations

147801
31
h-index

133252
59
g-index

98
all docs

98
docs citations

98
times ranked

2506
citing authors

#	Article	IF	Citations
1	Tsunami Hazard and Risk Assessment on the Global Scale. , 2022, , 213-246.		4
2	Building vibration induced by sonic boom - field test in Russia. Applied Acoustics, 2022, 185, 108422.	3.3	0
3	The Sensitivity of Tsunami Impact to Earthquake Source Parameters and Manning Friction in High-Resolution Inundation Simulations. Frontiers in Earth Science, 2022, 9, .	1.8	10
4	Validation and inter-comparison of models for landslide tsunami generation. Ocean Modelling, 2022, 170, 101943.	2.4	18
5	Tsunami risk communication and management: Contemporary gaps and challenges. International Journal of Disaster Risk Reduction, 2022, 70, 102771.	3.9	19
6	Granular porous landslide tsunami modelling â€“ the 2014 Lake Askja flank collapse. Nature Communications, 2022, 13, 678.	12.8	23
7	On the Inference of Tsunami Uncertainties From Landslide Runâ€Out Observations. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	3
8	Enabling dynamic and intelligent workflows for HPC, data analytics, and AI convergence. Future Generation Computer Systems, 2022, 134, 414-429.	7.5	17
9	Numerical simulation of impulse wave generation by idealized landslides with OpenFOAM. Coastal Engineering, 2021, 165, 103815.	4.0	24
10	Submarine Landslides. , 2021, , .		0
11	Tsunami risk management for crustal earthquakes and non-seismic sources in Italy. Rivista Del Nuovo Cimento, 2021, 44, 69-144.	5.7	16
12	The Making of the NEAM Tsunami Hazard Model 2018 (NEAMTHM18). Frontiers in Earth Science, 2021, 8, .	1.8	50
13	Testing Tsunami Inundation Maps for Evacuation Planning in Italy. Frontiers in Earth Science, 2021, 9, .	1.8	16
14	Probabilistic Tsunami Hazard and Risk Analysis: A Review of Research Gaps. Frontiers in Earth Science, 2021, 9, .	1.8	65
15	Probabilistic tsunami forecasting for early warning. Nature Communications, 2021, 12, 5677.	12.8	37
16	Editorial: From Tsunami Science to Hazard and Risk Assessment: Methods and Models. Frontiers in Earth Science, 2021, 9, .	1.8	3
17	Effect of Shallow Slip Amplification Uncertainty on Probabilistic Tsunami Hazard Analysis in Subduction Zones: Use of Long-Term Balanced Stochastic Slip Models. Pure and Applied Geophysics, 2020, 177, 1497-1520.	1.9	29
18	Probabilistic Tsunami Hazard Analysis: High Performance Computing for Massive Scale Inundation Simulations. Frontiers in Earth Science, 2020, 8, .	1.8	28

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19	Modelling 2018 Anak Krakatoa Flank Collapse and Tsunami: Effect of Landslide Failure Mechanism and Dynamics on Tsunami Generation. Pure and Applied Geophysics, 2020, 177, 2493-2516.	1.9	35
20	On the landslide tsunami uncertainty and hazard. Landslides, 2020, 17, 2301-2315.	5.4	46
21	Effects of rotational submarine slump dynamics on tsunami genesis: new insight from idealized models and the 1929 Grand Banks event. Geological Society Special Publication, 2020, 500, 41-61.	1.3	9
22	Intrinsic Soil Damping from Cyclic Laboratory Tests with Average Strain Development. Geotechnical Testing Journal, 2020, 43, 194-210.	1.0	4
23	Geohazard assessment related to submarine instabilities in BjÃ¸rnafjorden, Norway. Geological Society Special Publication, 2019, 477, 549-566.	1.3	7
24	A Novel Quasi-3D Landslide Dynamics Model: From Theory to Applications and Risk Assessment. , 2019, , .		5
25	A New Approximate Method for Quantifying Tsunami Maximum Inundation Height Probability. Pure and Applied Geophysics, 2019, 176, 3227-3246.	1.9	34
26	Landslide Material Control on Tsunami Genesisâ€"The Storegga Slide and Tsunami (8,100â€‰Years BP). Journal of Geophysical Research: Oceans, 2019, 124, 3607-3627.	2.6	48
27	Data schemas for multiple hazards, exposure and vulnerability. Disaster Prevention and Management, 2019, 28, 752-763.	1.2	10
28	Urgent Tsunami Computing. , 2019, , .		16
29	Modelling the 1929 Grand Banks slump and landslide tsunami. Geological Society Special Publication, 2019, 477, 315-331.	1.3	33
30	Tsunami generation by potential, partially submerged rockslides in an abandoned open-pit mine: the case of Black Lake, Quebec, Canada. Canadian Geotechnical Journal, 2018, 55, 1769-1780.	2.8	1
31	A global probabilistic tsunami hazard assessment from earthquake sources. Geological Society Special Publication, 2018, 456, 219-244.	1.3	72
32	REDWIN â€"<u>RED</u>ucing cost in offshore<u>WIN</u>d by integrated structural and geotechnical design. Journal of Physics: Conference Series, 2018, 1104, 012029.	0.4	5
33	Slope Stability Assessment for Deep Fjord Crossings Using VHR Geophysical Data â€" An Example from BjÃ¸rnafjorden, Norway. , 2018, , .		0
34	A Boussinesq type extension of the GeoClaw model - a study of wave breaking phenomena applying dispersive long wave models. Coastal Engineering, 2017, 122, 75-86.	4.0	21
35	Simulating low frequency sound transmission through walls and windows by a two-way coupled fluid structure interaction model. Journal of Sound and Vibration, 2017, 396, 203-216.	3.9	20
36	The 2014 <scp>L</scp>ake <scp>A</scp>skja rockslideâ€induced tsunami: Optimization of numerical tsunami model using observed data. Journal of Geophysical Research: Oceans, 2017, 122, 4110-4122.	2.6	59

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37	Some giant submarine landslides do not produce large tsunamis. Geophysical Research Letters, 2017, 44, 8463-8472.	4.0	68
38	Probabilistic Tsunami Hazard Analysis: Multiple Sources and Global Applications. Reviews of Geophysics, 2017, 55, 1158-1198.	23.0	170
39	Risk Assessment and Design of Prevention Structures for Enhanced Tsunami Disaster Resilience (RAPSODI)/Euro-Japan Collaboration. Coastal Engineering Journal, 2016, 58, 1640012-1-1640012-37.	1.9	9
40	The 29th January 2014 submarine landslide at Statland, Norwayâ€"landslide dynamics, tsunami generation, and run-up. Landslides, 2016, 13, 1435-1444.	5.4	20
41	Coastal inundation multi-hazard analysis for a construction site in Malaysia. International Journal of Risk Assessment and Management, 2016, 19, 142.	0.1	3
42	Tsunami-Genesis Due to Retrogressive Landslides on an Inclined Seabed. Advances in Natural and Technological Hazards Research, 2016, , 569-578.	1.1	7
43	Countermeasures against noise and vibrations in lightweight wooden buildings caused by outdoor sources with strong low frequency components. Noise Control Engineering Journal, 2016, 64, 737-752.	0.3	2
44	On the characteristics of landslide tsunamis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140376.	3.4	128
45	Simulating tsunami propagation in fjords with long-wave models. Natural Hazards and Earth System Sciences, 2015, 15, 657-669.	3.6	19
46	Foundation damping and the dynamics of offshore wind turbine monopiles. Renewable Energy, 2015, 80, 724-736.	8.9	109
47	Tsunami Hazard and Risk Assessment on the Global Scale. , 2015, , 1-34.		23
48	Procedures for estimating hysteretic foundation damping. , 2015, , 1061-1066.		1
49	Global tsunami hazard and exposure due to large co-seismic slip. International Journal of Disaster Risk Reduction, 2014, 10, 406-418.	3.9	51
50	Rockslide tsunamis in complex fjords: From an unstable rock slope at Ã…kerneset to tsunami risk in western Norway. Coastal Engineering, 2014, 88, 101-122.	4.0	77
51	Submarine landslide tsunamis: how extreme and how likely?. Natural Hazards, 2014, 72, 1341-1374.	3.4	164
52	Tsunami risk reduction â€" are we better prepared today than in 2004?. International Journal of Disaster Risk Reduction, 2014, 10, 127-142.	3.9	69
53	Impact of the 2004 Indian Ocean tsunami along the Tamil Nadu coastline: field survey review and numerical simulations. Natural Hazards, 2014, 72, 743-769.	3.4	11
54	Dynamic Mudline Damping for Offshore Wind Turbine Monopiles. , 2014, , .		5

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55	Modeling Potential Tsunami Generation by the BIGâ€™95 Landslide. Advances in Natural and Technological Hazards Research, 2014, , 507-515.	1.1	6
56	Dispersion of tsunamis: does it really matter?. Natural Hazards and Earth System Sciences, 2013, 13, 1507-1526.	3.6	163
57	Submarine Landslides and Their Consequences: What Do We Know, What Can We Do?. , 2013, , 5-17.		11
58	Simulating run-up on steep slopes with operational Boussinesq models; capabilities, spurious effects and instabilities. Nonlinear Processes in Geophysics, 2013, 20, 379-395.	1.3	30
59	Stochastic analysis of tsunami runup due to heterogeneous coseismic slip and dispersion. Journal of Geophysical Research, 2012, 117, .	3.3	50
60	Historical tsunamis and present tsunami hazard in eastern Indonesia and the southern Philippines. Journal of Geophysical Research, 2012, 117, .	3.3	59
61	Modeling propagation and inundation of the 11 March 2011 Tohoku tsunami. Natural Hazards and Earth System Sciences, 2012, 12, 1017-1028.	3.6	49
62	Tsunami hazard in the Caribbean: Regional exposure derived from credible worst case scenarios. Continental Shelf Research, 2012, 38, 1-23.	1.8	69
63	Tsunami hazard and exposure on the global scale. Earth-Science Reviews, 2012, 110, 58-73.	9.1	78
64	The influence of land cover roughness on the results of high resolution tsunami inundation modeling. Natural Hazards and Earth System Sciences, 2011, 11, 2521-2540.	3.6	88
65	Effects of a multi-layered poro-elastic ground on attenuation of acoustic waves and ground vibration. Journal of Sound and Vibration, 2011, 330, 1403-1418.	3.9	2
66	Analysis of low frequency sound and sound induced vibration in a Norwegian wooden building. Noise Control Engineering Journal, 2011, 59, 383.	0.3	3
67	Hazard and risk assessment of rock slide tsunamis in lakes and reservoirs. , 2011, , 717-724.		0
68	Instabilities of Boussinesq models in nonâ€uniform depth. International Journal for Numerical Methods in Fluids, 2009, 61, 606-637.	1.6	22
69	Oceanic propagation of a potential tsunami from the La Palma Island. Journal of Geophysical Research, 2008, 113, .	3.3	148
70	Special Session: Offshore Drilling and Development Geohazards: An International Perspective (I or II): Tsunamis Generated by Landslides and Earthquakes- Wave Characteristics and Numerical Modeling for Hazard Assessment in Offshore Geohazards. , 2007, , .		0
71	An early Holocene submarine slide in Boknafjorden and the effect of a slide-triggered tsunami on Stone Age settlements at RennesÃ¸y, SW Norway. Marine Geology, 2007, 243, 157-168.	2.1	11
72	Submarine landslides: processes, triggers and hazard prediction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 2009-2039.	3.4	594

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73	Earthquake related tsunami hazard along the western coast of Thailand. Natural Hazards and Earth System Sciences, 2006, 6, 979-997.	3.6	58
74	Propagation of the Dec. 26, 2004, Indian Ocean Tsunami: Effects of Dispersion and Source Characteristics. International Journal of Fluid Mechanics Research, 2006, 33, 15-43.	0.4	36
75	Airâ€"ground interaction in long range propagation of low frequency sound and vibrationâ€"field tests and model verification. Applied Acoustics, 2005, 66, 553-578.	3.3	21
76	The Storegga Slide tsunamiâ€"comparing field observations with numerical simulations. Marine and Petroleum Geology, 2005, 22, 195-208.	3.3	239
77	Fundamental mechanisms for tsunami generation by submarine mass flows in idealised geometries. Marine and Petroleum Geology, 2005, 22, 209-217.	3.3	88
78	A parametric study of tsunamis generated by submarine slides in the Ormen Lange/Storegga area off western Norway. Marine and Petroleum Geology, 2005, 22, 219-231.	3.3	105
79	The Storegga Slide tsunamiâ€"comparing field observations with numerical simulations. , 2005, , 195-208.		11
80	Fundamental mechanisms for tsunami generation by submarine mass flows in idealised geometries. , 2005, , 209-217.		5
81	A parametric study of tsunamis generated by submarine slides in the Ormen Lange/Storegga area off western Norway. , 2005, , 219-231.		10
82	Dynamics, Velocity and Run-Out of the Giant Storegga Slide. Advances in Natural and Technological Hazards Research, 2003, , 223-230.	1.1	20
83	Flow paths in wetting unsaturated flow: Experiments and simulations. Physical Review E, 2002, 65, 036312.	2.1	10