

Tomohiro Yasuda

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,312
citations

687363

13
h-index

501196

28
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30
all docs

30
docs citations

30
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey of 2011 Tohoku earthquake tsunami inundation and run-up. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	475
2	Local amplification of storm surge by Super Typhoon Haiyan in Leyte Gulf. <i>Geophysical Research Letters</i> , 2014, 41, 5106-5113.	4.0	181
3	Initial Report of JSCE-PICE Joint Survey on the Storm Surge Disaster Caused by Typhoon Haiyan. <i>Coastal Engineering Journal</i> , 2014, 56, 1450006-1-1450006-12.	1.9	103
4	Sensitivity of tsunami wave profiles and inundation simulations to earthquake slip and fault geometry for the 2011 Tohoku earthquake. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	100
5	New Scaling Relationships of Earthquake Source Parameters for Stochastic Tsunami Simulation. <i>Coastal Engineering Journal</i> , 2016, 58, 1650010-1-1650010-40.	1.9	89
6	2018 Typhoon Jebi post-event survey of coastal damage in the Kansai region, Japan. <i>Coastal Engineering Journal</i> , 2019, 61, 278-294.	1.9	52
7	Is flow velocity important in tsunami empirical fragility modeling?. <i>Earth-Science Reviews</i> , 2017, 166, 64-82.	9.1	51
8	Physical modelling of tsunami onshore propagation, peak pressures, and shielding effects in an urban building array. <i>Coastal Engineering</i> , 2016, 117, 97-112.	4.0	48
9	Overview of the 2011 Tohoku Earthquake Tsunami Damage and Its Relation to Coastal Protection along the Sanriku Coast. <i>Earthquake Spectra</i> , 2013, 29, 127-143.	3.1	41
10	Bayesian tsunami fragility modeling considering input data uncertainty. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 1253-1269.	4.0	25
11	Physical Modeling and Numerical Analysis of Tsunami Inundation in a Coastal City. <i>Frontiers in Built Environment</i> , 2019, 5, .	2.3	22
12	Tsunami simulations of mega-thrust earthquakes in the Nankai-Tonankai Trough (Japan) based on stochastic rupture scenarios. <i>Geological Society Special Publication</i> , 2018, 456, 55-74.	1.3	17
13	Multi-hazard earthquake-tsunami loss estimation of Kuroshio Town, Kochi Prefecture, Japan considering the Nankai-Tonankai megathrust rupture scenarios. <i>International Journal of Disaster Risk Reduction</i> , 2021, 54, 102050.	3.9	17
14	Were Coastal Defensive Structures Completely Broken by an Unexpectedly Large Tsunami? A Field Survey. <i>Earthquake Spectra</i> , 2013, 29, 145-160.	3.1	15
15	Effects of a Macro-Roughness Element on Tsunami Wave Amplification, Pressures, and Loads: Physical Model and Comparison to Japanese and US Design Equations. <i>Coastal Engineering Journal</i> , 2017, 59, 1750004-1-1750004-25.	1.9	12
16	Uncertainty quantification of tsunami inundation in Kuroshio, Kochi Prefecture, Japan, using the Nankai-Tonankai megathrust rupture scenarios. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 3039-3056.	3.6	12
17	Rapid tsunami loss estimation using regional inundation hazard metrics derived from stochastic tsunami simulation. <i>International Journal of Disaster Risk Reduction</i> , 2019, 40, 101152.	3.9	10
18	Characterization of Overtopping Waves on Sea Dikes with Gentle and Shallow Foreshores. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 752.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Collapse of concrete-covered levee under composite effect of overflow and seepage. <i>Soils and Foundations</i> , 2019, 59, 1787-1799.	3.1	5
20	Numerical simulation of scattering process of armour blocks on additional rubble mound behind breakwater during tsunami overflow using SPH method. <i>Computational Particle Mechanics</i> , 2022, 9, 953-968.	3.0	5
21	Variations in Building-Resolving Simulations of Tsunami Inundation in a Coastal Urban Area. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2022, 148, .	1.2	5
22	Are current tsunami evacuation approaches safe enough?. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 759.	4.0	4
23	Numerical Simulation of Urban Inundation Processes and Their Hydraulic Quantities “Tsunami Analysis Hackathon Theme 1”. <i>Journal of Disaster Research</i> , 2021, 16, 978-993.	0.7	4
24	EXPERIMENTAL STUDY ON STABILITY OF HONEYCOMB ARMOUR BLOCKS FOR ARTIFICIAL REEFS. <i>Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering)</i> , 2017, 73, I_60-I_65.	0.3	3
25	PESUDO PREDICTION EXPERIMENTS OF STORM SURGE AND WAVES IN 2018 TYPHOON JEBI BY HIGH RESOLUTION WEATHER PREDICTION AND COUPLED SURGE-WAVE MODEL. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2019, 75, I_283-I_288.	0.4	2
26	Overview of Storm Surge and Storm Wave Damages in TC Jebi. <i>Wind Engineers JAWE</i> , 2019, 44, 288-293.	0.1	1
27	ESTIMATION OF THE RECURRENCE PERIOD OF THE STORM SURGE CAUSED BY TYPHOON JEBI AND THE ASSUMED MAXIMUM STORM SURGE IN OSAKA BAY. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2021, 77, I_67-I_72.	0.4	1
28	FUTURE CHALLENGES TO ADDRESS CLIMATE CHANGE IN JAPANESE COASTAL AREAS. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2021, 77, 1-17.	0.4	0