

# 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  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of scattering process of armour blocks on additional rubble mound behind breakwater during tsunami overflow using SPH method. Computational Particle Mechanics, 2022, 9, 953-968.	3.0	5
2	Variations in Building-Resolving Simulations of Tsunami Inundation in a Coastal Urban Area. Journal of Waterway, Port, Coastal and Ocean Engineering, 2022, 148, .	1.2	5
3	FUTURE CHALLENGES TO ADDRESS CLIMATE CHANGE IN JAPANESE COASTAL AREAS. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2021, 77, 1-17.	0.4	0
4	Multi-hazard earthquake-tsunami loss estimation of Kuroshio Town, Kochi Prefecture, Japan considering the Nankai-Tonankai megathrust rupture scenarios. International Journal of Disaster Risk Reduction, 2021, 54, 102050.	3.9	17
5	Are current tsunami evacuation approaches safe enough?. Stochastic Environmental Research and Risk Assessment, 2021, 35, 759.	4.0	4
6	Numerical Simulation of Urban Inundation Processes and Their Hydraulic Quantities “Tsunami Analysis Hackathon Theme 1”. Journal of Disaster Research, 2021, 16, 978-993.	0.7	4
7	ESTIMATION OF THE RECURRENCE PERIOD OF THE STORM SURGE CAUSED BY TYPHOON JEBI AND THE ASSUMED MAXIMUM STORM SURGE IN OSAKA BAY. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2021, 77, L_67-L_72.	0.4	1
8	Characterization of Overtopping Waves on Sea Dikes with Gentle and Shallow Foreshores. Journal of Marine Science and Engineering, 2020, 8, 752.	2.6	10
9	Uncertainty quantification of tsunami inundation in Kuroshio, Kochi Prefecture, Japan, using the Nankai-Tonankai megathrust rupture scenarios. Natural Hazards and Earth System Sciences, 2020, 20, 3039-3056.	3.6	12
10	2018 Typhoon Jebi post-event survey of coastal damage in the Kansai region, Japan. Coastal Engineering Journal, 2019, 61, 278-294.	1.9	52
11	Collapse of concrete-covered levee under composite effect of overflow and seepage. Soils and Foundations, 2019, 59, 1787-1799.	3.1	5
12	Rapid tsunami loss estimation using regional inundation hazard metrics derived from stochastic tsunami simulation. International Journal of Disaster Risk Reduction, 2019, 40, 101152.	3.9	10
13	Physical Modeling and Numerical Analysis of Tsunami Inundation in a Coastal City. Frontiers in Built Environment, 2019, 5, .	2.3	22
14	Overview of Storm Surge and Storm Wave Damages in TC Jebi. Wind Engineers JAWE, 2019, 44, 288-293.	0.1	1
15	PESUDO PREDICTION EXPERIMENTS OF STORM SURGE AND WAVES IN 2018 TYPHOON JEBI BY HIGH RESOLUTION WEATHER PREDICTION AND COUPLED SURGE-WAVE MODEL. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2019, 75, L_283-L_288.	0.4	2
16	Tsunami simulations of mega-thrust earthquakes in the Nankai-Tonankai Trough (Japan) based on stochastic rupture scenarios. Geological Society Special Publication, 2018, 456, 55-74.	1.3	17
17	Bayesian tsunami fragility modeling considering input data uncertainty. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1253-1269.	4.0	25
18	Is flow velocity important in tsunami empirical fragility modeling?. Earth-Science Reviews, 2017, 166, 64-82.	9.1	51

#	ARTICLE	IF	CITATIONS
19	Effects of a Macro-Roughness Element on Tsunami Wave Amplification, Pressures, and Loads: Physical Model and Comparison to Japanese and US Design Equations. Coastal Engineering Journal, 2017, 59, 1750004-1-1750004-25.	1.9	12
20	EXPERIMENTAL STUDY ON STABILITY OF HONEYCOMB ARMOUR BLOCKS FOR ARTIFICIAL REEFS. Journal of Japan Society of Civil Engineers Ser B3 (Ocean Engineering), 2017, 73, I_60-I_65.	0.3	3
21	Physical modelling of tsunami onshore propagation, peak pressures, and shielding effects in an urban building array. Coastal Engineering, 2016, 117, 97-112.	4.0	48
22	New Scaling Relationships of Earthquake Source Parameters for Stochastic Tsunami Simulation. Coastal Engineering Journal, 2016, 58, 1650010-1-1650010-40.	1.9	89
23	Initial Report of JSCE-PICE Joint Survey on the Storm Surge Disaster Caused by Typhoon Haiyan. Coastal Engineering Journal, 2014, 56, 1450006-1-1450006-12.	1.9	103
24	Local amplification of storm surge by Super Typhoon Haiyan in Leyte Gulf. Geophysical Research Letters, 2014, 41, 5106-5113.	4.0	181
25	Sensitivity of tsunami wave profiles and inundation simulations to earthquake slip and fault geometry for the 2011 Tohoku earthquake. Earth, Planets and Space, 2014, 66, .	2.5	100
26	Overview of the 2011 Tohoku Earthquake Tsunami Damage and Its Relation to Coastal Protection along the Sanriku Coast. Earthquake Spectra, 2013, 29, 127-143.	3.1	41
27	Were Coastal Defensive Structures Completely Broken by an Unexpectedly Large Tsunami? A Field Survey. Earthquake Spectra, 2013, 29, 145-160.	3.1	15
28	Survey of 2011 Tohoku earthquake tsunami inundation and run-up. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	475