Tso-Ren Wu

List of Publications by Year
in descending order

46 papers	1,376 citations	516710 16 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	1145 citing authors

#	Article	IF	Citations
1	Large Eddy Simulation of the wave loads on submerged rectangular decks. Applied Ocean Research, 2022, 120, 103051.	4.1	3
2	Parallel-Computing Two-Way Grid-Nested Storm Surge Model with a Moving Boundary Scheme and Case Study of the 2013 Super Typhoon Haiyan. Water (Switzerland), 2022, 14, 547.	2.7	0
3	Solitary Wave Interacting with a Submerged Circular Plate. Journal of Waterway, Port, Coastal and Ocean Engineering, 2021, 147, .	1.2	2
4	Numerical Analysis of Free-Surface Flows over Rubber Dams. Water (Switzerland), 2021, 13, 1271.	2.7	2
5	Modeling the Slump-Type Landslide Tsunamis Part I: Developing a Three-Dimensional Bingham-Type Landslide Model. Applied Sciences (Switzerland), 2020, 10, 6501.	2.5	3
6	Discrepancies on Storm Surge Predictions by Parametric Wind Model and Numerical Weather Prediction Model in a Semi-Enclosed Bay: Case Study of Typhoon Haiyan. Water (Switzerland), 2020, 12, 3326.	2.7	6
7	Modeling the Slump-Type Landslide Tsunamis Part II: Numerical Simulation of Tsunamis with Bingham Landslide Model. Applied Sciences (Switzerland), 2020, 10, 6872.	2.5	2
8	Interaction of two free-falling spheres in water. Physics of Fluids, 2020, 32, .	4.0	12
9	Knowledge-Building Approach for Tsunami Impact Analysis Aided by Citizen Science. Frontiers in Earth Science, 2020, 8, .	1.8	1
10	Effects of horizontal resolution and airâ€“sea flux parameterization on the intensity and structure of simulated Typhoon Haiyan (2013). Natural Hazards and Earth System Sciences, 2019, 19, 1509-1539.	3.6	10
11	Ionospheric GNSS Total Electron Content for Tsunami Warning. Journal of Earthquake and Tsunami, 2019, 13, .	1.3	10
12	Assessment of the peak tsunami amplitude associated with a large earthquake occurring along the southernmost Ryukyu subduction zone in the region of Taiwan. Natural Hazards and Earth System Sciences, 2018, 18, 2081-2092.	3.6	7
13	Open Application Framework for Disaster Mitigation Based on Deeper Understanding Approach. , 2018, , .		0
14	Slosh-induced hydrodynamic force in a water tank with multiple baffles. Ocean Engineering, 2018, 167, 282-292.	4.3	61
15	Three-Dimensional Numerical Study on the Interaction Between Dam-Break Wave and Cylinder Array. Journal of Earthquake and Tsunami, 2018, 12, 1840007.	1.3	3
16	Hydrodynamic force of a circular cylinder close to the water surface. Computers and Fluids, 2018, 171, 154-165.	2.5	11
17	Wind-driven natural ventilation of greenhouses with vegetation. Biosystems Engineering, 2017, 164, 221-234.	4.3	37
18	The recent development of storm surge modeling in Taiwan. Procedia IUTAM, 2017, 25, 70-73.	1.2	4

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19	Development of operational multi-scale storm surge inundated model and application of 2013 typhoon Haiyan. Procedia IUTAM, 2017, 25, 100-103.	1.2	2
20	Numerical Analysis of Free Surface Flow over a Submerged Rectangular Bridge Deck. Journal of Hydraulic Engineering, 2016, 142, .	1.5	21
21	Tsunami Inundation Map and Its Application on Evacuation Planning in Taiwan. Journal of Earthquake and Tsunami, 2015, 09, 1540004.	1.3	3
22	Study on Flow Fields of Boundary-Layer Separation and Hydraulic Jump during Rundown Motion of Shoaling Solitary Wave. Journal of Earthquake and Tsunami, 2015, 09, 1540002.	1.3	16
23	Velocity Fields in Near-Bottom and Boundary Layer Flows in Prebreaking Zone of a Solitary Wave Propagating over a 1:10 Slope. Journal of Waterway, Port, Coastal and Ocean Engineering, 2015, 141, .	1.2	20
24	Development of a tsunami early warning system for the South China Sea. Ocean Engineering, 2015, 100, 1-18.	4.3	21
25	Vortex shedding and evolution induced by a solitary wave propagating over a submerged cylindrical structure. Journal of Fluids and Structures, 2015, 52, 181-198.	3.4	20
26	Forensic Diagnosis on Flood-Induced Bridge Failure. II: Framework of Quantitative Assessment. Journal of Performance of Constructed Facilities, 2014, 28, 85-95.	2.0	11
27	Numerical simulation of two trains intersecting in a tunnel. Tunnelling and Underground Space Technology, 2014, 42, 161-174.	6.2	101
28	A two-way coupled simulation of moving solids in free-surface flows. Computers and Fluids, 2014, 100, 347-355.	2.5	34
29	An abrupt backreef infilling in a Holocene reef, Paraoir, Northwestern Luzon, Philippines. Coral Reefs, 2013, 32, 293-303.	2.2	8
30	Windbreak protection for road vehicles against crosswind. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 116, 61-69.	3.9	54
31	A possible mechanism of destruction of coastal trees by tsunamis: AÂhydrodynamic study on effects of coastal steep hills. Journal of Hydro-Environment Research, 2013, 7, 113-123.	2.2	13
32	RECENT RESEARCH ON TSUNAMI HAZARDS FOR SUMATRA AND THE SOUTH CHINA SEA AREA. Journal of Earthquake and Tsunami, 2013, 07, 1303001.	1.3	1
33	DETERMINISTIC STUDY ON THE POTENTIAL LARGE TSUNAMI HAZARD IN TAIWAN. Journal of Earthquake and Tsunami, 2012, 06, 1250034.	1.3	15
34	Three-dimensional numerical modeling of the interaction of dam-break waves and porous media. Advances in Water Resources, 2012, 47, 14-30.	3.8	48
35	High resolution tsunami inversion for 2010 Chile earthquake. Natural Hazards and Earth System Sciences, 2011, 11, 3251-3261.	3.6	12
36	Tsunami hazard from the subduction Megathrust of the South China Sea: Part II. Hydrodynamic modeling and possible impact on Singapore. Journal of Asian Earth Sciences, 2009, 36, 93-97.	2.3	30

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37	Tsunami hazard from the subduction megathrust of the South China Sea: Part I. Source characterization and the resulting tsunami. Journal of Asian Earth Sciences, 2009, 36, 13-20.	2.3	98
38	Modeling tsunami hazards from Manila trench to Taiwan. Journal of Asian Earth Sciences, 2009, 36, 21-28.	2.3	67
39	NUMERICAL STUDY ON THE THREE-DIMENSIONAL DAMBREAK BORE INTERACTING WITH A SQUARE CYLINDER. , 2009, , 281-303.		5
40	A LARGE EDDY SIMULATION MODEL FOR TSUNAMI AND RUNUP GENERATED BY LANDSLIDES. Series on Quality, Reliability and Engineering Statistics, 2008, , 101-162.	0.2	4
41	Numerical Study on Tsunamis Excited by 2006 Pingtung Earthquake Doublet. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 705.	0.6	19
42	Earthquake Probabilities and Energy Characteristics of Seismicity Offshore Southwest Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 697.	0.6	6
43	Runup and rundown generated by three-dimensional sliding masses. Journal of Fluid Mechanics, 2005, 536, 107-144.	3.4	225
44	Waves generated by moving pressure disturbances in rectangular and trapezoidal channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 163-171.	1.7	9
45	Waves generated by moving pressure disturbances in rectangular and trapezoidal channels. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 163-171.	1.7	5
46	Modeling wave runup with depth-integrated equations. Coastal Engineering, 2002, 46, 89-107.	4.0	334