

Colin N Whittaker

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7316373/publications.pdf>

Version: 2024-02-01

32
papers

427
citations

687335

13
h-index

752679

20
g-index

32
all docs

32
docs citations

32
times ranked

481
citing authors

#	ARTICLE	IF	CITATIONS
1	Swimming behavior of juvenile silver carp near the separation zone of a channel confluence. <i>International Journal of Sediment Research</i> , 2022, 37, 122-127.	3.5	10
2	Characteristics of the flow field within a developing scour hole at a submerged weir. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2022, 60, 283-294.	1.7	4
3	Interference effect on tsunami generation by segmented seafloor deformations. <i>Ocean Engineering</i> , 2022, 245, 110244.	4.3	4
4	Novel Riprap Structure for Improved Bridge Pier Scour Protection. <i>Journal of Hydraulic Engineering</i> , 2022, 148, .	1.5	8
5	Multilayer modelling of waves generated by explosive subaqueous volcanism. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 617-637.	3.6	7
6	Hydrodynamic Uplift Forces on Submerged Bridge Decks during Bedform Migration. <i>Journal of Hydraulic Engineering</i> , 2022, 148, .	1.5	0
7	On wave impact pressure variability. <i>Coastal Engineering</i> , 2022, 177, 104168.	4.0	8
8	Laboratory Experiments on Tsunamigenic Discrete Subaqueous Volcanic Eruptions. Part 2: Properties of Generated Waves. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016587.	2.6	6
9	Laboratory Experiments on Tsunamigenic Discrete Subaqueous Volcanic Eruptions. Part 1: Free Surface Disturbances. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016588.	2.6	4
10	Development of radio-frequency identification (RFID) sensors suitable for smart-monitoring applications in sewer systems. <i>Water Research</i> , 2021, 198, 117107.	11.3	18
11	Tsunami Generation by Underwater Volcanic Explosions: Application to the 1952 Explosions of Myojinsho Volcano. <i>Pure and Applied Geophysics</i> , 2021, 178, 4743-4761.	1.9	4
12	The fate of microplastics in natural and engineered aquatic systems: a case study of unplanned indirect potable reuse. <i>Current Opinion in Environmental Science and Health</i> , 2021, 24, 100302.	4.1	2
13	Waves Generated by Discrete and Sustained Gas Eruptions With Implications for Submarine Volcanic Tsunamis. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094539.	4.0	3
14	Numerical Simulations of a Fluidized Granular Flow Entry Into Water: Insights Into Modeling Tsunami Generation by Pyroclastic Density Currents. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	6
15	15 Priorities for Wind-Waves Research: An Australian Perspective. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E446-E461.	3.3	11
16	Temporal Evolution of Clear-Water Scour Depth at Submerged Weirs. <i>Journal of Hydraulic Engineering</i> , 2020, 146, .	1.5	15
17	Scour Estimation Downstream of Submerged Weirs. <i>Journal of Hydraulic Engineering</i> , 2019, 145, .	1.5	13
18	Experimental study of particle trajectories below deep-water surface gravity wave groups. <i>Journal of Fluid Mechanics</i> , 2019, 879, 168-186.	3.4	23

#	ARTICLE	IF	CITATIONS
19	Parametric Study of Tsunamis Generated by Earthquakes and Landslides. Journal of Marine Science and Engineering, 2019, 7, 154.	2.6	3
20	Fish passage hydrodynamics: insights into overcoming migration challenges for small-bodied fish. Journal of Ecohydraulics, 2019, 4, 43-55.	3.1	15
21	Book Review - Experimental Hydraulics: Methods, Instrumentation, Data Processing and Management. ÅMarian MusteÅ (Editor in Chief). IAHR Monographs, two volumes, CRC Press, 2017. 906Åpp. ISBN: 9781138027534. Å£190.00.. Journal of Fluid Mechanics, 2018, 855, 1238-1241.	3.4	0
22	Local Scour at Downstream Sloped Submerged Weirs. Journal of Hydraulic Engineering, 2018, 144, .	1.5	32
23	Numerical modelling of flow in Little Pigeon Bay due to the 2016 Kaikoura tsunami. Ocean Engineering, 2018, 159, 228-236.	4.3	6
24	Extreme coastal responses using focused wave groups: Overtopping and horizontal forces exerted on an inclined seawall. Coastal Engineering, 2018, 140, 292-305.	4.0	19
25	Effects of a downstream submerged weir on local scour at bridge piers. Journal of Hydro-Environment Research, 2018, 20, 101-109.	2.2	20
26	Tsunami runup and tide-gauge observations from the 14 November 2016 M7.8 KaikÅura earthquake, New Zealand. Pure and Applied Geophysics, 2017, 174, 2457-2473.	1.9	48
27	Effects of Inundation by the 14th November, 2016 KaikÅura Tsunami on Banks Peninsula, Canterbury, New Zealand. Pure and Applied Geophysics, 2017, 174, 1855-1874.	1.9	15
28	Optimisation of focused wave group runup on a plane beach. Coastal Engineering, 2017, 121, 44-55.	4.0	37
29	Physical and numerical modelling of tsunami generation by a moving obstacle at the bottom boundary. Environmental Fluid Mechanics, 2017, 17, 929-958.	1.6	16
30	The average shape of large waves in the coastal zone. Coastal Engineering, 2016, 114, 253-264.	4.0	43
31	Irregular wave runup statistics on plane beaches: Application of a Boussinesq-type model incorporating a generatingÅ€absorbing sponge layer and second-order wave generation. Coastal Engineering, 2016, 114, 309-324.	4.0	11
32	Tsunami forcing by a low Froude number landslide. Environmental Fluid Mechanics, 2015, 15, 1215-1239.	1.6	16