Colin N Whittaker

List of Publications by Year in descending order

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

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|----|---|-----|-----------|
| 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. ÂMarian MusteÂ(Editor in Chief). IAHR Monographs, two volumes, CRC Press, 2017. 906Âpp. ISBN: 9781138027534. £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 generating–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 |