

# Alan Cuthbertson

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

304  
citations

933447

10  
h-index

888059

17  
g-index

25  
all docs

25  
docs citations

25  
times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-equilibrium flocculation characteristics of fine-grained sediments in grid-generated turbulent flow. <i>Coastal Engineering</i> , 2010, 57, 447-460.	4.0	47
2	Hindered settling velocity of cohesive/non-cohesive sediment mixtures. <i>Coastal Engineering</i> , 2008, 55, 1197-1208.	4.0	31
3	Experimental investigations of graded sediment transport under unsteady flow hydrographs. <i>International Journal of Sediment Research</i> , 2015, 30, 306-320.	3.5	27
4	A Review on Mariculture Effluent: Characterization and Management Tools. <i>Water (Switzerland)</i> , 2020, 12, 2991.	2.7	26
5	Model studies for flocculation of sand-clay mixtures. <i>Coastal Engineering</i> , 2018, 132, 13-32.	4.0	22
6	Experimental study of uni- and bi-directional exchange flows in a large-scale rotating trapezoidal channel. <i>Physics of Fluids</i> , 2021, 33, .	4.0	17
7	The influence of a localised region of turbulence on the structural development of a turbulent, round, buoyant jet. <i>Fluid Dynamics Research</i> , 2006, 38, 683-698.	1.3	14
8	A Modelling Study of Transient, Buoyancy-Driven Exchange Flow over a Descending Barrier. <i>Environmental Fluid Mechanics</i> , 2004, 4, 127-155.	1.6	13
9	Experimental and analytical investigation of dense gravity currents in a rotating, up-sloping and converging channel. <i>Dynamics of Atmospheres and Oceans</i> , 2011, 52, 386-409.	1.8	11
10	Model studies of dense water overflows in the Faroese Channels. <i>Ocean Dynamics</i> , 2014, 64, 273-292.	2.2	11
11	Gravity currents in rotating, wedge-shaped, adverse channels. <i>Environmental Fluid Mechanics</i> , 2014, 14, 1251-1273.	1.6	11
12	Dynamics of dense gravity currents and mixing in an up-sloping and converging vee-shaped channel. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2014, 52, 67-80.	1.7	11
13	Bed Load Sediment Transport and Morphological Evolution in a Degrading Uniform Sediment Channel Under Unsteady Flow Hydrographs. <i>Water Resources Research</i> , 2019, 55, 5431-5452.	4.2	10
14	A flume study to evaluate the processes governing retention of sea lice therapeutants using skirts in the treatment of sea lice infestation. <i>Aquaculture</i> , 2011, 319, 459-465.	3.5	7
15	The Mitigation Potential of Buffer Strips for Reservoir Sediment Yields: The Itumbiara Hydroelectric Power Plant in Brazil. <i>Water (Switzerland)</i> , 2016, 8, 489.	2.7	7
16	Blockage of saline intrusions in restricted, two-layer exchange flows across a submerged sill obstruction. <i>Environmental Fluid Mechanics</i> , 2018, 18, 27-57.	1.6	7
17	Buoyancy-Driven Two-Layer Exchange Flows Across a Slowly Submerging Barrier. <i>Environmental Fluid Mechanics</i> , 2006, 6, 133-151.	1.6	6
18	Flow Turbulence Characteristics and Mass Transport in the Near-Wake Region of an Aquaculture Cage Net Panel. <i>Water (Switzerland)</i> , 2021, 13, 294.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Rotational effects on exchange flows across a submerged sill. Environmental Fluid Mechanics, 2021, 21, 405-432.	1.6	6
20	Graded bed load transport in sediment supply limited channels under unsteady flow hydrographs. Journal of Hydrology, 2021, 595, 126015.	5.4	6
21	Computational simulation of round thermal jets in an ambient cross flow using a large-scale hydrodynamic model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 920-937.	1.7	4
22	Experimental study of flow and mass transport in the near-wake region of a rigid planar metal net panel. Aquacultural Engineering, 2022, 98, 102267.	3.1	3
23	Hysteretic Implications for Graded Bed Load Sediment Transport in Symmetrical Hydrograph Flows. Frontiers in Environmental Science, 2021, 9, .	3.3	1