

Albert Dai

List of Publications by Year in descending order

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24
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments on gravity currents propagating on different bottom slopes. Journal of Fluid Mechanics, 2013, 731, 117-141.	3.4	59
2	Delta progradation driven by an advancing sediment source: Coupled theory and experiment describing the evolution of elongated deltas. Water Resources Research, 2009, 45, .	4.2	54
3	High-resolution simulations of downslope gravity currents in the acceleration phase. Physics of Fluids, 2015, 27, .	4.0	41
4	Non-Boussinesq gravity currents propagating on different bottom slopes. Journal of Fluid Mechanics, 2014, 741, 658-680.	3.4	39
5	High-resolution simulations of non-Boussinesq downslope gravity currents in the acceleration phase. Physics of Fluids, 2016, 28, .	4.0	24
6	Gravity Currents Propagating on Sloping Boundaries. Journal of Hydraulic Engineering, 2013, 139, 593-601.	1.5	16
7	High-resolution simulations of cylindrical gravity currents in a rotating system. Journal of Fluid Mechanics, 2016, 806, 71-101.	3.4	14
8	Experiments on two-layer density-stratified inertial gravity currents. Physical Review Fluids, 2017, 2, .	2.5	14
9	High-resolution simulations of unstable cylindrical gravity currents undergoing wandering and splitting motions in a rotating system. Physics of Fluids, 2018, 30, .	4.0	12
10	Experiments on gravity currents propagating on unbounded uniform slopes. Environmental Fluid Mechanics, 2020, 20, 1637-1662.	1.6	12
11	On the Formation of Coherent Vortices beneath Nonbreaking Free-Propagating Surface Waves. Journal of Physical Oceanography, 2017, 47, 533-543.	1.7	10
12	Gravity currents down a slope in deceleration phase. Dynamics of Atmospheres and Oceans, 2010, 49, 75-82.	1.8	9
13	Experiments on two-layer stratified gravity currents in the slumping phase. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 831-844.	1.7	9
14	On the merging and splitting processes in the lobe-and-cleft structure at a gravity current head. Journal of Fluid Mechanics, 2022, 930, .	3.4	9
15	Power-law for gravity currents on slopes in the deceleration phase. Dynamics of Atmospheres and Oceans, 2013, 63, 94-102.	1.8	8
16	Gravity currents propagating at the base of a linearly stratified ambient. Physics of Fluids, 2021, 33, .	4.0	8
17	Analysis of plunging phenomena. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 638-642.	1.7	5
18	Boussinesq and non-Boussinesq gravity currents propagating on unbounded uniform slopes in the deceleration phase. Journal of Fluid Mechanics, 2021, 917, .	3.4	4

#	ARTICLE	IF	CITATIONS
19	Note on the generalized thermal theory for gravity currents in the deceleration phase. Dynamics of Atmospheres and Oceans, 2010, 50, 424-431.	1.8	3
20	Thermal Theory for Non-Boussinesq Gravity Currents Propagating on Inclined Boundaries. Journal of Hydraulic Engineering, 2015, 141, .	1.5	3
21	Buoyancy-Driven Flow in a Two-Story Compartment. Journal of Engineering Mechanics - ASCE, 2009, 135, 738-742.	2.9	1
22	Modified Thermal Theory for Gravity Currents on Sloping Boundaries. Journal of Hydraulic Engineering, 2010, 136, 826-830.	1.5	1
23	On the instability of a buoyancy-driven downflow. Dynamics of Atmospheres and Oceans, 2015, 71, 98-107.	1.8	1
24	Plunging conditions of two-dimensional negative buoyant surface jets released on a sloping bottom. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 681-682.	1.7	0