

Albert Dai

List of Publications by Year in descending order

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papers

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933447

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233
citing authors

#	ARTICLE	IF	CITATIONS
1	On the merging and splitting processes in the lobe-and-cleft structure at a gravity current head. <i>Journal of Fluid Mechanics</i> , 2022, 930, .	3.4	9
2	Boussinesq and non-Boussinesq gravity currents propagating on unbounded uniform slopes in the deceleration phase. <i>Journal of Fluid Mechanics</i> , 2021, 917, .	3.4	4
3	Gravity currents propagating at the base of a linearly stratified ambient. <i>Physics of Fluids</i> , 2021, 33, .	4.0	8
4	Experiments on two-layer stratified gravity currents in the slumping phase. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020, 58, 831-844.	1.7	9
5	Experiments on gravity currents propagating on unbounded uniform slopes. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1637-1662.	1.6	12
6	High-resolution simulations of unstable cylindrical gravity currents undergoing wandering and splitting motions in a rotating system. <i>Physics of Fluids</i> , 2018, 30, .	4.0	12
7	On the Formation of Coherent Vortices beneath Nonbreaking Free-Propagating Surface Waves. <i>Journal of Physical Oceanography</i> , 2017, 47, 533-543.	1.7	10
8	Experiments on two-layer density-stratified inertial gravity currents. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	14
9	High-resolution simulations of cylindrical gravity currents in a rotating system. <i>Journal of Fluid Mechanics</i> , 2016, 806, 71-101.	3.4	14
10	High-resolution simulations of non-Boussinesq downslope gravity currents in the acceleration phase. <i>Physics of Fluids</i> , 2016, 28, .	4.0	24
11	On the instability of a buoyancy-driven downflow. <i>Dynamics of Atmospheres and Oceans</i> , 2015, 71, 98-107.	1.8	1
12	Thermal Theory for Non-Boussinesq Gravity Currents Propagating on Inclined Boundaries. <i>Journal of Hydraulic Engineering</i> , 2015, 141, .	1.5	3
13	High-resolution simulations of downslope gravity currents in the acceleration phase. <i>Physics of Fluids</i> , 2015, 27, .	4.0	41
14	Non-Boussinesq gravity currents propagating on different bottom slopes. <i>Journal of Fluid Mechanics</i> , 2014, 741, 658-680.	3.4	39
15	Gravity Currents Propagating on Sloping Boundaries. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 593-601.	1.5	16
16	Experiments on gravity currents propagating on different bottom slopes. <i>Journal of Fluid Mechanics</i> , 2013, 731, 117-141.	3.4	59
17	Power-law for gravity currents on slopes in the deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2013, 63, 94-102.	1.8	8
18	Modified Thermal Theory for Gravity Currents on Sloping Boundaries. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 826-830.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Gravity currents down a slope in deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 49, 75-82.	1.8	9
20	Note on the generalized thermal theory for gravity currents in the deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 50, 424-431.	1.8	3
21	Plunging conditions of two-dimensional negative buoyant surface jets released on a sloping bottom. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 681-682.	1.7	0
22	Buoyancy-Driven Flow in a Two-Story Compartment. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 738-742.	2.9	1
23	Delta progradation driven by an advancing sediment source: Coupled theory and experiment describing the evolution of elongated deltas. <i>Water Resources Research</i> , 2009, 45, .	4.2	54
24	Analysis of plunging phenomena. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 638-642.	1.7	5