

Albert Dai

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

356
citations

933264

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794469

19
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24
all docs

24
docs citations

24
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Experiments on gravity currents propagating on different bottom slopes. <i>Journal of Fluid Mechanics</i> , 2013, 731, 117-141.	1.4	59
2	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, .	1.7	54
3	High-resolution simulations of downslope gravity currents in the acceleration phase. <i>Physics of Fluids</i> , 2015, 27, .	1.6	41
4	Non-Boussinesq gravity currents propagating on different bottom slopes. <i>Journal of Fluid Mechanics</i> , 2014, 741, 658-680.	1.4	39
5	High-resolution simulations of non-Boussinesq downslope gravity currents in the acceleration phase. <i>Physics of Fluids</i> , 2016, 28, .	1.6	24
6	Gravity Currents Propagating on Sloping Boundaries. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 593-601.	0.7	16
7	High-resolution simulations of cylindrical gravity currents in a rotating system. <i>Journal of Fluid Mechanics</i> , 2016, 806, 71-101.	1.4	14
8	Experiments on two-layer density-stratified inertial gravity currents. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	14
9	High-resolution simulations of unstable cylindrical gravity currents undergoing wandering and splitting motions in a rotating system. <i>Physics of Fluids</i> , 2018, 30, .	1.6	12
10	Experiments on gravity currents propagating on unbounded uniform slopes. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1637-1662.	0.7	12
11	On the Formation of Coherent Vortices beneath Nonbreaking Free-Propagating Surface Waves. <i>Journal of Physical Oceanography</i> , 2017, 47, 533-543.	0.7	10
12	Gravity currents down a slope in deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 49, 75-82.	0.7	9
13	Experiments on two-layer stratified gravity currents in the slumping phase. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020, 58, 831-844.	0.7	9
14	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, .	1.4	9
15	Power-law for gravity currents on slopes in the deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2013, 63, 94-102.	0.7	8
16	Gravity currents propagating at the base of a linearly stratified ambient. <i>Physics of Fluids</i> , 2021, 33, .	1.6	8
17	Analysis of plunging phenomena. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 638-642.	0.7	5
18	Boussinesq and non-Boussinesq gravity currents propagating on unbounded uniform slopes in the deceleration phase. <i>Journal of Fluid Mechanics</i> , 2021, 917, .	1.4	4

#	ARTICLE	IF	CITATIONS
19	Note on the generalized thermal theory for gravity currents in the deceleration phase. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 50, 424-431.	0.7	3
20	Thermal Theory for Non-Boussinesq Gravity Currents Propagating on Inclined Boundaries. <i>Journal of Hydraulic Engineering</i> , 2015, 141, .	0.7	3
21	Buoyancy-Driven Flow in a Two-Story Compartment. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 738-742.	1.6	1
22	Modified Thermal Theory for Gravity Currents on Sloping Boundaries. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 826-830.	0.7	1
23	On the instability of a buoyancy-driven downflow. <i>Dynamics of Atmospheres and Oceans</i> , 2015, 71, 98-107.	0.7	1
24	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.	0.7	0