

Firat Testik

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

530
citations

567281

15
h-index

677142

22
g-index

36
all docs

36
docs citations

36
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward elucidating the microstructure of warm rainfall: A survey. <i>Reviews of Geophysics</i> , 2007, 45, .	23.0	62
2	Revisiting Low and List (1982): Evaluation of Raindrop Collision Parameterizations Using Laboratory Observations and Modeling. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 2983-2993.	1.7	42
3	Mapping joint hurricane wind and surge hazards for Charleston, South Carolina. <i>Natural Hazards</i> , 2014, 74, 375-403.	3.4	34
4	Field Observations of Multimode Raindrop Oscillations by High-Speed Imaging. <i>Journals of the Atmospheric Sciences</i> , 2006, 63, 2663-2668.	1.7	32
5	On the concentration structure of high-concentration constant-volume fluid mud gravity currents. <i>Physics of Fluids</i> , 2013, 25, .	4.0	30
6	Toward a Physical Characterization of Raindrop Collision Outcome Regimes. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 1097-1113.	1.7	27
7	On the Influence of Raindrop Collision Outcomes on Equilibrium Drop Size Distributions. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1534-1546.	1.7	26
8	Outcome regimes of binary raindrop collisions. <i>Atmospheric Research</i> , 2009, 94, 389-399.	4.1	23
9	Size distribution of raindrops. <i>Nature Physics</i> , 2010, 6, 232-232.	16.7	22
10	A review of gravity currents formed by submerged single-port discharges in inland and coastal waters. <i>Environmental Fluid Mechanics</i> , 2014, 14, 265-293.	1.6	22
11	Viscous propagation of two-dimensional non-Newtonian gravity currents. <i>Fluid Dynamics Research</i> , 2012, 44, 045502.	1.3	21
12	Turbulent entrainment into fluid mud gravity currents. <i>Environmental Fluid Mechanics</i> , 2014, 14, 541-563.	1.6	21
13	High-Speed Optical Disdrometer for Rainfall Microphysical Observations. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 231-243.	1.3	21
14	Numerical Model for the Hydraulic Performance of Perforated Pipe Underdrains Surrounded by Loose Aggregate. <i>Journal of Hydraulic Engineering</i> , 2016, 142, .	1.5	18
15	Mine Burial in the Shoaling Zone: Scaling of Laboratory Results to Oceanic Situations. <i>IEEE Journal of Oceanic Engineering</i> , 2007, 32, 204-213.	3.8	17
16	An experimental study of Mesler entrainment on a surfactant-covered interface: The effect of drop shape and Weber number. <i>AIChE Journal</i> , 2012, 58, 46-58.	3.6	15
17	Free fall of water drops in laboratory rainfall simulations. <i>Atmospheric Research</i> , 2016, 168, 158-168.	4.1	13
18	Impacts of Raindrop Fall Velocity and Axis Ratio Errors on Dual-Polarization Radar Rainfall Estimation. <i>Journal of Hydrometeorology</i> , 2014, 15, 1849-1861.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Parametric Study of Perforated Pipe Underdrains Surrounded by Loose Aggregate. Journal of Hydraulic Engineering, 2016, 142, .	1.5	10
20	First in situ observations of binary raindrop collisions. Geophysical Research Letters, 2017, 44, 1175-1181.	4.0	9
21	Laminar bottom gravity currents: friction factorâ€“Reynolds number relationship. Journal of Hydraulic Research/De Recherches Hydrauliques, 2014, 52, 545-558.	1.7	8
22	On the self-similar propagation of gravity currents through an array of emergent vegetation-like obstacles. Physics of Fluids, 2016, 28, 056605.	4.0	7
23	Breakup patterns for binary drop collisions. Journal of Visualization, 2008, 11, 4-4.	1.8	5
24	Axisymmetric Underflows from Impinging Buoyant Jets of Dense Cohesive Particle-Laden Fluids. Journal of Hydraulic Engineering, 2015, 141, .	1.5	5
25	Selection of hazard-consistent hurricane scenarios for regional combined hurricane wind and flood loss estimation. Natural Hazards, 2018, 91, 671-696.	3.4	5
26	Three-dimensional flow structure at the frontal zone of a gravity-driven fluid mud flow. Journal of Visualization, 2009, 12, 287-287.	1.8	4
27	Propagation, deposition, and suspension characteristics of constant-volume particle-driven gravity currents. Environmental Fluid Mechanics, 2021, 21, 177-208.	1.6	4
28	Rainfall Microphysics Influenced by Strong Wind during a Tornadic Storm. Journal of Hydrometeorology, 2021, , .	1.9	4
29	Assessment of OTT Pluvio2 Rain Intensity Measurements. Journal of Atmospheric and Oceanic Technology, 2021, 38, 897-908.	1.3	3
30	Numerical Investigation of Free Overfall from a Circular Pipe Flowing Full Upstream. Journal of Hydraulic Engineering, 2017, 143, 04017004.	1.5	2
31	Shapes and Fall Speeds of Freezing and Frozen Raindrops. Journal of Hydrometeorology, 2020, 21, 1311-1331.	1.9	2
32	Bidensity particle-laden exchange flows in a vertical duct. Journal of Fluid Mechanics, 2020, 891, .	3.4	1
33	Error Quantification for Hurricane Storm Surge Simulations along the Coasts of North Carolina, South Carolina, and Georgia. Natural Hazards Review, 2013, 14, 79-88.	1.5	0