

Mark J Woodhouse

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

554
citations

933447

10
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

648
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction between volcanic plumes and wind during the 2010 Eyjafjallajökull eruption, Iceland. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 92-109.	3.4	162
2	Results of the eruptive column model inter-comparison study. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 326, 2-25.	2.1	114
3	Segregation-induced fingering instabilities in granular free-surface flows. <i>Journal of Fluid Mechanics</i> , 2012, 709, 543-580.	3.4	65
4	Atmospheric processes affecting the separation of volcanic ash and SO ₂ in volcanic eruptions: inferences from the May 2011 GrÁmsvÁtnÁ eruption. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10709-10732.	4.9	38
5	A Framework for Probabilistic Multi-Hazard Assessment of Rain-Triggered Lahars Using Bayesian Belief Networks. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	30
6	Modelling intrusions through quiescent and moving ambients. <i>Journal of Fluid Mechanics</i> , 2015, 771, 370-406.	3.4	25
7	Uncertainty analysis of a model of wind-blown volcanic plumes. <i>Bulletin of Volcanology</i> , 2015, 77, 83.	3.0	22
8	Unsteady turbulent buoyant plumes. <i>Journal of Fluid Mechanics</i> , 2016, 794, 595-638.	3.4	20
9	Charge structure in volcanic plumes: a comparison of plume properties predicted by an integral plume model to observations of volcanic lightning during the 2010 eruption of Eyjafjallajökull, Iceland. <i>Bulletin of Volcanology</i> , 2014, 76, 828.	3.0	19
10	REFIR- A multi-parameter system for near real-time estimates of plume-height and mass eruption rate during explosive eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 360, 61-83.	2.1	15
11	A global sensitivity analysis of the PlumeRise model of volcanic plumes. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 326, 54-76.	2.1	10
12	Rapid granular flows down inclined planar chutes. Part 2. Linear stability analysis of steady flow solutions. <i>Journal of Fluid Mechanics</i> , 2010, 652, 461-488.	3.4	9
13	Rapid granular flows down inclined planar chutes. Part 1. Steady flows, multiple solutions and existence domains. <i>Journal of Fluid Mechanics</i> , 2010, 652, 427-460.	3.4	7
14	The Use of a Numerical Weather Prediction Model to Simulate Near-Field Volcanic Plumes. <i>Atmosphere</i> , 2020, 11, 594.	2.3	7
15	Linear stability of shallow morphodynamic flows. <i>Journal of Fluid Mechanics</i> , 2021, 916, .	3.4	4
16	Pupils returning to primary schools in England during 2020: rapid estimations of punctual COVID-19 infection rates. <i>Royal Society Open Science</i> , 2021, 8, 202218.	2.4	3
17	Unsteady turbulent line plumes. <i>Journal of Fluid Mechanics</i> , 2018, 856, 103-134.	3.4	1