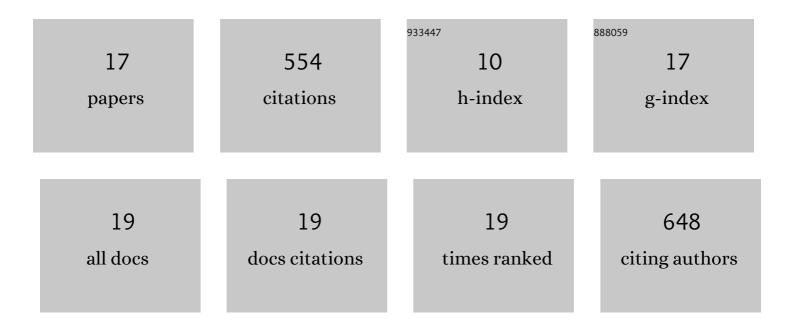
## Mark J Woodhouse

List of Publications by Year in descending order

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MARK I MOODHOUSE

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