

Alice Crawford

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17 papers	1,294 citations	12 h-index	21 g-index
21 ext. papers	1,442 ext. citations	7.1 avg, IF	3.91 L-index

#	Paper	IF	Citations
17	Fluid particle accelerations in fully developed turbulence. <i>Nature</i> , 2001 , 409, 1017-9	50.4	451
16	Measurement of particle accelerations in fully developed turbulence. <i>Journal of Fluid Mechanics</i> , 2002 , 469, 121-160	3.7	332
15	Experimental Lagrangian acceleration probability density function measurement. <i>Physica D: Nonlinear Phenomena</i> , 2004 , 193, 245-251	3.3	179
14	Three-dimensional structure of the Lagrangian acceleration in turbulent flows. <i>Physical Review Letters</i> , 2004 , 93, 214501	7.4	76
13	Conditional and unconditional acceleration statistics in turbulence. <i>Physics of Fluids</i> , 2003 , 15, 3478-3489	4.4	67
12	On the distribution of Lagrangian accelerations in turbulent flows. <i>New Journal of Physics</i> , 2005 , 7, 58-58.9	2.9	43
11	Joint statistics of the Lagrangian acceleration and velocity in fully developed turbulence. <i>Physical Review Letters</i> , 2005 , 94, 024501	7.4	27
10	Improving volcanic ash predictions with the HYSPLIT dispersion model by assimilating MODIS satellite retrievals. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2865-2879	6.8	26
9	Fluid acceleration in the bulk of turbulent dilute polymer solutions. <i>New Journal of Physics</i> , 2008 , 10, 123015	2.9	23
8	A silicon strip detector system for high resolution particle tracking in turbulence. <i>Review of Scientific Instruments</i> , 2001 , 72, 4348-4353	1.7	20
7	International challenge to model the long-range transport of radioxenon released from medical isotope production to six Comprehensive Nuclear-Test-Ban Treaty monitoring stations. <i>Journal of Environmental Radioactivity</i> , 2018 , 192, 667-686	2.4	14
6	Initializing HYSPLIT with satellite observations of volcanic ash: A case study of the 2008 Kasatochi eruption. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,786-10,803	4.4	12
5	Laboratory Experiments of Volcanic Ash Resuspension by Wind. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 9534-9560	4.4	11
4	Air quality impacts of the 2018 Mt. Kilauea Volcano eruption in Hawaii: A regional chemical transport model study with satellite-constrained emissions. <i>Atmospheric Environment</i> , 2020 , 237, 117648	5.3	8
3	The Use of Gaussian Mixture Models with Atmospheric Lagrangian Particle Dispersion Models for Density Estimation and Feature Identification. <i>Atmosphere</i> , 2020 , 11, 1369	2.7	3
2	Errors in top-down estimates of emissions using a known source. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11855-11868	6.8	1
1	Optical trapping of nanoshells 2007 , 6644, 238		0

