

# Abhishek Kumar

## List of Publications by Year in descending order

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19  
papers

612  
citations

932766

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h-index

1125271

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19  
all docs

19  
docs citations

19  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic Turbulence: Sweeping Effect and Taylor's Hypothesis via Correlation Function. , 2020, 5, 649-662.		5
2	Turbulence in a stably stratified fluid: onset of global anisotropy as a function of the Richardson number. Physica Scripta, 2019, 94, 125008.	1.2	4
3	Applicability of Taylor's hypothesis in thermally driven turbulence. Royal Society Open Science, 2018, 5, 172152.	1.1	54
4	Statistical features of rapidly rotating decaying turbulence: Enstrophy and energy spectra and coherent structures. Physics of Fluids, 2018, 30, .	1.6	52
5	Complexity of viscous dissipation in turbulent thermal convection. Physics of Fluids, 2018, 30, .	1.6	54
6	Scaling of a Fast Fourier Transform and a pseudo-spectral fluid solver up to 196608 cores. Journal of Parallel and Distributed Computing, 2018, 113, 77-91.	2.7	80
7	Stochastic Bistable Systems: Competing Hysteresis and Phase Coexistence. Journal of Experimental and Theoretical Physics, 2018, 127, 549-557.	0.2	2
8	Surface Ocean Enstrophy, Kinetic Energy Fluxes, and Spectra From Satellite Altimetry. Journal of Geophysical Research: Oceans, 2018, 123, 3875-3892.	1.0	29
9	Phenomenology of two-dimensional stably stratified turbulence under large-scale forcing. Journal of Turbulence, 2017, 18, 219-239.	0.5	10
10	Phenomenology of buoyancy-driven turbulence: recent results. New Journal of Physics, 2017, 19, 025012.	1.2	108
11	Direct Numerical Simulation of Helical Magnetohydrodynamic Turbulence with TARANG Code. , 2017, , .		4
12	Dynamics of large-scale quantities in Rayleigh-Bénard convection. Physical Review E, 2016, 94, 053106.	0.8	18
13	Near isotropic behavior of turbulent thermal convection. Physical Review Fluids, 2016, 1, .	1.0	51
14	Energy Spectrum and Flux of Buoyancy-Driven Turbulence. , 2016, , 442-451.		0
15	Shell Model for Buoyancy-Driven Turbulent Flows. , 2016, , 232-241.		0
16	Shell model for buoyancy-driven turbulence. Physical Review E, 2015, 91, 043014.	0.8	52
17	Energy spectrum of buoyancy-driven turbulence. Physical Review E, 2014, 90, 023016.	0.8	89
18	Role of surface in light induced degradation of porous silicon. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2001-2005.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Role of Surface on the Persistent Photoconductivity in Porous Silicon and Boron Doped a-Si:H. Materials Research Society Symposia Proceedings, 2006, 910, 1.	0.1	0