Pankaj Kumar Mishra

List of Publications by Year
in descending order

15	249	1307594 7	1125743 13
papers	citations	h-index	g-index

15	15	15	174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy spectra and fluxes for Rayleigh-BÃ©nard convection. Physical Review E, 2010, 81, 056316.	2.1	71
2	Presence of horizon makes particle motion chaotic. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 486-493.	4.1	70
3	Horizon induces instability locally and creates quantum thermality. Physical Review D, 2020, 102, .	4.7	25
4	Induction of chaotic fluctuations in particle dynamics in a uniformly accelerated frame. International Journal of Modern Physics A, 2020, 35, 2050081.	1.5	20
5	Role of dilution on the electronic structure and magnetic ordering of spinel cobaltites. Physical Review B, 2018, 98, .	3.2	17
6	Dynamic instability of microtubules: Effect of catastrophe-suppressing drugs. Physical Review E, 2005, 72, 051914.	2.1	12
7	Dynamics and statistics of reorientations of large-scale circulation in turbulent rotating Rayleigh-BÃ©nard convection. Physics of Fluids, 2019, 31, 055112.	4.0	11
8	Enhanced heat flux and flow structures in turbulent Rayleigh-BÃ©nard convection with rough boundaries. Physical Review Fluids, 2021, 6, .	2.5	6
9	Magnetic exchange interactions and band gap bowing in NixMg1â^'xO (0.0â€‰â‰€â€‰xâ€‰â‰€â€‰1.0): A GGA+U density functional study. Journal of Applied Physics, 2019, 126, 233904.	2.5	4
10	Tailoring the electronic structure and magnetic properties of pyrochlore Co₂Ti_{1â^'x}Ge_xO₄: a GGA + U ab initio study. Journal of Physics Condensed Matter, 2021, 33, 145504.	1.8	4
11	Statistics of thermal plumes and dissipation rates in turbulent Rayleigh-BÃ©nard convection in a cubic cell. International Journal of Heat and Mass Transfer, 2022, 182, 121995.	4.8	4
12	Effect of Ce substitution on the local magnetic ordering and phonon instabilities in antiferromagnetic DyCrO₃ perovskites. Journal of Physics Condensed Matter, 2022, 34, 345803.	1.8	3
13	Energy transfers during dynamo reversals. Europhysics Letters, 2013, 104, 69002.	2.0	2
14	Significance of Prandtl Number on the Heat Transport and Flow Structure in Rotating Rayleighâ€“BÃ©nard Convection. Journal of Heat Transfer, 2020, 142, .	2.1	0
15	Energy spectrum and energy budget of superfluid turbulence using two-fluid shell model. AIP Advances, 2022, 12, 025021.	1.3	0