

# Avinash khare

## List of Publications by Year in descending order

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29  
papers

233  
citations

933447

10  
h-index

1058476

14  
g-index

30  
all docs

30  
docs citations

30  
times ranked

147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic processes in dusty plasma. Journal of Plasma Physics, 2020, 86, .	2.1	0
2	Equilibrium configuration of self-gravitating charged dust clouds: Particle approach. Physics of Plasmas, 2019, 26, .	1.9	5
3	Coulomb explosion and fission of charged dust clusters. AIP Conference Proceedings, 2018, , .	0.4	6
4	Laser-pulse shape effects on magnetic field generation in underdense plasmas. Indian Journal of Physics, 2018, 92, 919-925.	1.8	4
5	Effect of ion drag on Jean's instability in dusty plasma. Physics of Plasmas, 2018, 25, 114503.	1.9	7
6	Oscillating two-stream instability in strongly coupled plasma. Laser and Particle Beams, 2018, 36, 376-383.	1.0	5
7	Relativistic electron-beam assisted growth of oscillating two-stream instability of a plasma wave. Physics of Plasmas, 2017, 24, .	1.9	3
8	Equilibrium and stability of a gravitationally bound uniformly charged dust cloud. Physics of Plasmas, 2017, 24, 053703.	1.9	2
9	Isothermal equation of state of three dimensional Yukawa gas. Physics of Plasmas, 2017, 24, .	1.9	9
10	Parametric instabilities in strongly correlated plasma. Physics of Plasmas, 2016, 23, 102704.	1.9	7
11	Suppression of stimulated Brillouin instability of a beat-wave of two lasers in multiple-ion-species plasmas. Physics of Plasmas, 2016, 23, 012110.	1.9	6
12	Coulomb fission of a dusty plasma. Physics of Plasmas, 2016, 23, .	1.9	12
13	Theory of correlation effects in dusty plasmas. Physics of Plasmas, 2015, 22, 033701.	1.9	9
14	Dust clusters in complex plasmas. , 2014, , .		0
15	Interaction physics for the stimulated Brillouin scattering of a laser in laser driven fusion. , 2014, , .		0
16	Plasma Heating by Electric Field Compression. Physical Review Letters, 2014, 112, 185002.	7.8	5
17	Thermal energy density of dust in dusty plasmas: Experiment and theory. Physical Review E, 2013, 88, 031101.	2.1	13
18	Transient self-focusing of an intense laser pulse in magnetized plasmas under non-paraxial approximation. Laser and Particle Beams, 2013, 31, 307-312.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Dust cluster explosion. Physics of Plasmas, 2012, 19, .	1.9	17
20	Avinashâ€™Shukla mass limit for the maximum dust mass supported against gravity by electric fields. Journal of Plasma Physics, 2010, 76, 493-500.	2.1	4
21	Plasma heat pump and heat engine. Physics of Plasmas, 2010, 17, 082105.	1.9	12
22	Inter-conversion of Work and Heat With Plasma Electric Fields. , 2010, , .		0
23	Thermodynamics of the interconversion of heat and work via plasma electric fields. Physics of Plasmas, 2010, 17, .	1.9	14
24	Theory of charged dust clouds: Equilibrium. Physics of Plasmas, 2007, 14, 012904.	1.9	12
25	Mean-Field Theory of Critical Phenomenon for Mutually Repelling Particles in Complex Plasmas. Physical Review Letters, 2007, 98, 095003.	7.8	12
26	An energy principle for the stability of charged dust cloud. Physics of Plasmas, 2007, 14, .	1.9	5
27	Measurement of the ion drag force in a collisionless plasma with strong ion-grain coupling. Physics of Plasmas, 2007, 14, .	1.9	29
28	Magnetic structures in the heliosheath. Geophysical Research Letters, 2007, 34, .	4.0	13
29	Equation of state for the â€™electrostatic pressureâ€™in dusty plasmas. Physics of Plasmas, 2006, 13, 012109.	1.9	20