

Ram Prasad Prajapati

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

370
citations

840776

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839539

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docs citations

30
times ranked

98
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of heat-flux vector and Braginskii viscosity on wave dissipation and instabilities in rotating gravitating anisotropic plasmas. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	2
2	Kelvin-Helmholtz instability in sheared dusty plasma flows including dust polarization and ion drag forces. <i>Physica Scripta</i> , 2022, 97, 065603.	2.5	5
3	Effects of cosmic radiation pressure on the gravitational instability of rotating plasmas. <i>Journal of Astrophysics and Astronomy</i> , 2022, 43, .	1.0	4
4	Dissipation of hydromagnetic waves in the viscous polytropic zone of the solar wind including FLR corrections, ohmic diffusion, and the Hall effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1444-1458.	4.4	1
5	Suppression of the Kelvin-Helmholtz instability due to polarization force in nonuniform magnetized sheared dusty plasmas. <i>AIP Advances</i> , 2021, 11, 095202.	1.3	3
6	Gravitational instability with dust charge gradient and ion drag forces in unmagnetized dusty plasma. <i>Physica Scripta</i> , 2021, 96, 025601.	2.5	2
7	Gravitational instability in radiative molecular clouds including cosmic ray diffusion and ion Larmor radius corrections. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 2127-2138.	4.4	12
8	Effects of radiation pressure and polarization force on Jeans instability in magnetized strongly coupled dusty plasma. <i>Physica Scripta</i> , 2019, 94, 045603.	2.5	8
9	Effects of Hall current and electrical resistivity on the stability of gravitating anisotropic quantum plasma. <i>Physics of Plasmas</i> , 2018, 25, 022101.	1.9	5
10	The rotating Rayleigh-Taylor instability in a strongly coupled dusty plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	11
11	Gravitational instability of rotating magnetized quantum anisotropic plasma. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	5
12	Small amplitude waves and linear firehose and mirror instabilities in rotating polytropic quantum plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	7
13	Rayleigh-Taylor instability and internal waves in strongly coupled quantum plasma. <i>Physics of Plasmas</i> , 2017, 24, 112101.	1.9	9
14	Influence of neutrino beam on the Jeans instability in a magnetized quantum plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	5
15	Effect of different dust flow velocities on combined Kelvin-Helmholtz and Rayleigh-Taylor instabilities in magnetized incompressible dusty fluids. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	10
16	Jeans instability in collisional strongly coupled dusty plasma with radiative condensation and polarization force. <i>Physics of Plasmas</i> , 2016, 23, 053703.	1.9	10
17	Rayleigh-Taylor instability in non-uniform magnetized rotating strongly coupled viscoelastic fluid. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	10
18	Radiative-condensation instability in gravitating strongly coupled dusty plasma with polarization force. <i>Astrophysics and Space Science</i> , 2015, 357, 1.	1.4	9

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19	Influence of dust charge fluctuation and polarization force on radiative condensation instability of magnetized gravitating dusty plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 2723-2729.	2.1	31
20	Low frequency waves and gravitational instability in homogeneous magnetized gyrotropic quantum plasma. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	17
21	Effect of quantum corrections on the Jeans instability of self-gravitating viscoelastic dusty fluid. <i>Astrophysics and Space Science</i> , 2014, 350, 637-644.	1.4	12
22	Self-gravitational instability in magnetized finitely conducting viscoelastic fluid. <i>Astrophysics and Space Science</i> , 2013, 344, 371-380.	1.4	24
23	Jeans instability of self-gravitating magnetized strongly coupled plasma. <i>Journal of Physics: Conference Series</i> , 2012, 365, 012040.	0.4	11
24	Influence of Polarization Force on Jeans Instability of Magnetized Dusty Plasma. , 2011, , .		3
25	Self-gravitational instability of rotating viscous Hall plasma with arbitrary radiative heat-loss functions and electron inertia. <i>Astrophysics and Space Science</i> , 2010, 327, 139-154.	1.4	48
26	Effect of pressure anisotropy and flow velocity on Kelvin-Helmholtz instability of anisotropic magnetized plasma using generalized polytrope laws. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	10
27	Effect of dust temperature on radiative condensation instability of self-gravitating magnetized dusty plasma. <i>Physica Scripta</i> , 2010, 81, 045501.	2.5	13
28	Effect of Hall current on the Jeans instability of magnetized viscous quantum plasma. <i>Physica Scripta</i> , 2010, 82, 055003.	2.5	30
29	Self-gravitating rotating anisotropic pressure plasma in presence of Hall current and electrical resistivity using generalized polytrope laws. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	27
30	Self-gravitational instability of rotating anisotropic heat-conducting plasma. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	26