Anisa Qamar

List of Publications by Year
in descending order

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54 papers	724 citations	516710 16 h-index	610901 24 g-index
55 all docs	55 docs citations	55 times ranked	265 citing authors

#	Article	IF	Citations
1	Parametric studies of nonlinear magnetosonic waves in two-dimensional quantum magnetoplasmas. Physics of Plasmas, 2009, 16, .	1.9	47
2	Pressure anisotropy effects on nonlinear electrostatic excitations in magnetized electron-positron-ion plasmas. European Physical Journal D, 2014, 68, 1.	1.3	41
3	Electrostatic Solitary Waves in Relativistic Degenerate Electronâ€“Positronâ€“Ion Plasma. IEEE Transactions on Plasma Science, 2015, 43, 974-984.	1.3	40
4	Planar and nonplanar ion acoustic shock waves in relativistic degenerate astrophysical electron-positron-ion plasmas. Physics of Plasmas, 2013, 20, 042305.	1.9	39
5	Nonlinear ion acoustic excitations in relativistic degenerate, astrophysical electronâ€“positronâ€“ion plasmas. Journal of Plasma Physics, 2013, 79, 817-823.	2.1	34
6	Magnetohydrodynamic spin waves in degenerate electron-positron-ion plasmas. Physics of Plasmas, 2012, 19, 052101.	1.9	31
7	Quantum dust magnetosonic waves with spin and exchange correlation effects. Physics of Plasmas, 2016, 23, .	1.9	29
8	Nonplanar dust-acoustic waves and chaotic motions in Thomas Fermi dusty plasmas. Physics of Plasmas, 2018, 25, 083706.	1.9	29
9	Three dimensional electrostatic solitary waves in a dense magnetoplasma with relativistically degenerate electrons. Physics of Plasmas, 2013, 20, .	1.9	26
10	Characteristic study of head-on collision of dust-ion acoustic solitons of opposite polarity with kappa distributed electrons. Physics of Plasmas, 2016, 23, .	1.9	26
11	Effect of Anisotropic Ion Pressure on Solitary Waves in Magnetized Dusty Plasmas. Contributions To Plasma Physics, 2014, 54, 724-734.	1.1	23
12	Nonplanar Electrostatic Solitary Waves in a Relativistic Degenerate Dense Plasma. Communications in Theoretical Physics, 2013, 59, 479-483.	2.5	20
13	Landau damping of electrostatic modes in nonthermal plasmas. Physics of Plasmas, 2017, 24, .	1.9	19
14	Small amplitude ion acoustic solitons in a weakly magnetized plasma with anisotropic ion pressure and kappa distributed electrons. Advances in Space Research, 2014, 53, 845-852.	2.6	18
15	On the ordinary mode instability for low beta plasmas. Physics of Plasmas, 2014, 21, .	1.9	18
16	Coupled ion acoustic and drift waves in magnetized superthermal electron-positron-ion plasmas. Physics of Plasmas, 2014, 21, 092119.	1.9	17
17	Oblique Interaction of Dust-ion Acoustic Solitons with Superthermal Electrons in a Magnetized Plasma. Journal of the Physical Society of Japan, 2018, 87, 014502.	1.6	16
18	Dust ion acoustic soliton in pair-ion plasmas with non-isothermal electrons. Physics of Plasmas, 2012, 19, .	1.9	15

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19	Magnetohydrodynamic waves with relativistic electrons and positrons in degenerate spin-1/2 astrophysical plasmas. Physics of Plasmas, 2015, 22, .	1.9	15
20	Small amplitude Kinetic Alfven waves in a superthermal electronâ€“positronâ€“ion plasma. Advances in Space Research, 2016, 58, 1746-1754.	2.6	15
21	On the characteristics of obliquely propagating electrostatic structures in non-Maxwellian plasmas in the presence of ion pressure anisotropy. Physics of Plasmas, 2017, 24, .	1.9	15
22	Ion temperature gradient mode driven solitons and shocks. Physics of Plasmas, 2016, 23, .	1.9	14
23	Magnetosonic shock waves in magnetized quantum plasma with the evolution of spin-up and spin-down electrons. Physical Review E, 2019, 100, 053206.	2.1	14
24	Interaction of kinetic AlfvÃ©n wave solitons in nonthermal plasmas. Physics of Plasmas, 2019, 26, .	1.9	13
25	Ion-temperature-gradient driven modes in dust-contaminated plasma with nonthermal electron distribution and dust charge fluctuations. Astrophysics and Space Science, 2014, 350, 565-572.	1.4	11
26	Bernstein instability driven by thermal ring distribution. Physics of Plasmas, 2014, 21, .	1.9	11
27	Dust acoustic solitary and shock excitations in a Thomas-Fermi magnetoplasma. Physics of Plasmas, 2014, 21, 072305.	1.9	10
28	Nonlinear excitations of magnetosonic solitary waves and their chaotic behavior in spin-polarized degenerate quantum magnetoplasma. Chaos, 2021, 31, 023133.	2.5	10
29	Interaction of magnetoacoustic solitons in electron-positron plasmas. Advances in Space Research, 2019, 63, 1192-1203.	2.6	9
30	Formation of quadrupolar vortices in ion-temperature-gradient modes. Physics of Plasmas, 2003, 10, 2819-2823.	1.9	8
31	Kadomtsevâ€“Petviashvili equation for solitary waves in warm dense astrophysical electron-positron-ion plasmas. Astrophysics and Space Science, 2013, 347, 119-127.	1.4	8
32	Kinetic Study of Dust Ion Acoustic Waves in a Nonthermal Plasma. Journal of the Physical Society of Japan, 2019, 88, 034501.	1.6	8
33	Head-on Collision of Magnetosonic Shock Waves with Separated Spin Evolution in Degenerate Quantum Magnetoplasma. Journal of the Physical Society of Japan, 2020, 89, 094502.	1.6	8
34	Coexistence of positive and negative polarity dust ion acoustic excitations with $$kappa $$-deformed Kaniadakis distribution. European Physical Journal Plus, 2021, 136, 1.	2.6	8
35	Tripolar vortex formation in dense quantum plasma with ion-temperature-gradients. Physics of Plasmas, 2012, 19, 052303.	1.9	7
36	Small amplitude two dimensional electrostatic excitations in a magnetized dusty plasma with q q -distributed electrons. Astrophysics and Space Science, 2016, 361, 1.	1.4	7

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37	Interaction of magnetoacoustic solitons in plasmas with dispersion effects through electron inertia. Contributions To Plasma Physics, 2018, 58, 1015-1026.	1.1	7
38	Electron temperature gradient mode instability and stationary vortices with elliptic and circular boundary conditions in non-Maxwellian plasmas. Physics of Plasmas, 2015, 22, 122105.	1.9	6
39	Effect of Pressure Anisotropy on Nonlinear Periodic Waves in a Magnetized Superthermal Electron-Positron-Ion Plasma. Brazilian Journal of Physics, 2019, 49, 379-390.	1.4	5
40	Arbitrary electron acoustic waves in degenerate dense plasmas. Indian Journal of Physics, 2017, 91, 581-587.	1.8	4
41	Vortical structures in a nonuniform pair-ion dust magnetoplasma with sheared flows. Physics of Plasmas, 2010, 17, 014502.	1.9	3
42	Linear and nonlinear dynamics of electron temperature gradient mode in non-Maxwellian plasmas. Physics of Plasmas, 2013, 20, .	1.9	3
43	Dust acoustic and drift waves in a non-Maxwellian dusty plasma with dust charge fluctuation. Journal of Plasma Physics, 2015, 81, .	2.1	3
44	Ion Streaming Instabilities in Pair Ion Plasma and Localized Structure with Non-Thermal Electrons. Brazilian Journal of Physics, 2015, 45, 633-642.	1.4	3
45	Oblique ion acoustic excitations in an ultra-relativistic degenerate dense magnetoplasma. Canadian Journal of Physics, 2017, 95, 655-661.	1.1	3
46	Dipolar vortex formation in electromagnetic ion-temperature-gradient driven waves in a dust-contaminated magnetoplasma. Physics of Plasmas, 2010, 17, 062301.	1.9	2
47	Kinetic treatment of nonlinear ion-acoustic waves in multi-ion plasma. Physics of Plasmas, 2017, 24, 092304.	1.9	2
48	Electrostatic solitons in rotating dusty plasmas with anisotropic ion pressure. Astrophysics and Space Science, 2012, 341, 551-558.	1.4	1
49	Dust ion acoustic waves in nonâ€thermal Cairns biâ€Maxwellian plasma. Contributions To Plasma Physics, 2021, 61, e202000216.	1.1	1
50	Role of entropy in Î· _i-mode driven nonlinear structures obtained by homotopy perturbation method in electronâ€“positronâ€“ion plasma. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 671-681.	1.5	1
51	3D non-driven magnetic reconnection at multiple separators. Chaos, 2021, 31, 123123.	2.5	1
52	Order and chaos in ETG-driven driftâ€“dissipative waves with sheared flows. Journal of Plasma Physics, 1999, 62, 531-540.	2.1	0
53	Tripolar vortices in ion-temperature-gradient mode with non-Maxwellian electrons in an inhomogeneous magnetoplasma. Canadian Journal of Physics, 2017, 95, 650-654.	1.1	0
54	Electron Bernstein waves in a collisionless magnetoplasma with Cairns distribution function. Canadian Journal of Physics, 2018, 96, 406-410.	1.1	0