

Muhammad Nouman Sarwar Qureshi

List of Publications by Year in descending order

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docs citations

45
times ranked

227
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of ion temperature on ion acoustic shock structures in dissipative (r , q) distributed plasma. AIP Advances, 2022, 12, 045105.	1.3	0
2	Trapping in quantum plasmas: a review. Reviews of Modern Plasma Physics, 2022, 6, .	4.1	5
3	Interplay of parallel electric field and trapped electrons in kappa-Maxwellian auroral plasma for EMEC instability. Communications in Theoretical Physics, 2021, 73, 015501.	2.5	0
4	Relativistic study of electromagnetic electron cyclotron instability based on trapped electrons in kappa-Maxwellian auroral plasmas. Contributions To Plasma Physics, 2021, 61, e202100012.	1.1	0
5	Energization of cold ions by electromagnetic ion cyclotron waves: Magnetospheric multiscale (MMS) observations. Physics of Plasmas, 2021, 28, 072901.	1.9	5
6	A Model for Nonlinear Waves in Space Plasma with Generalized (r , q) Distribution. , 2021, , .		0
7	Investigation of cubic nonlinearity-driven electrostatic structures in the presence of double spectral index distribution function. Contributions To Plasma Physics, 2020, 60, e201900065.	1.1	9
8	Ion-acoustic solitary waves in r - q plasmas with r - q distributed electrons and kappa-distributed positrons. Contributions To Plasma Physics, 2020, 60, e202000058.	1.1	4
9	Effect of suprathermal particles on EMEC instability in kappa-Maxwellian distributed space plasmas. Astrophysics and Space Science, 2020, 365, 1.	1.4	2
10	Acoustic Modes of Multi-Ion Dusty Plasmas. Journal of the Korean Physical Society, 2020, 76, 824-828.	0.7	1
11	Nonlinear ion-acoustic waves in r - q plasmas with r - q distributed electrons and positrons. AIP Advances, 2020, 10, .	1.3	7
12	Coupled Drift Ion Acoustic Shock waves with trapped electrons in Quantum Magnetoplasma. Physica Scripta, 2020, 95, 085602.	2.5	3
13	Alfvénic perturbations with finite Larmor radius effect in non-Maxwellian electron-positron-ion plasmas. AIP Advances, 2020, 10, 025002.	1.3	20
14	Nonlinear drift ion acoustic waves in degenerate plasmas with adiabatic trapping. Physica Scripta, 2020, 95, 045609.	2.5	3
15	Whistler instability based on observed flat-top two-component electron distributions in the Earth's magnetosphere. Monthly Notices of the Royal Astronomical Society, 2019, 488, 954-964.	4.4	32
16	Compressive and rarefactive solitary structures of coupled kinetic Alfvén-acoustic waves in non-Maxwellian space plasmas. Physics of Plasmas, 2019, 26, .	1.9	16
17	Solar wind driven electrostatic instabilities with generalized (r , q) distribution function. Contributions To Plasma Physics, 2019, 59, e201800159.	1.1	10
18	Electron acoustic instability in four component space plasmas with observed generalized (r , q) distribution function. AIP Advances, 2019, 9, .	1.3	13

#	ARTICLE	IF	CITATIONS
19	Electron acoustic nonlinear structures in planetary magnetospheres. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	36
20	Nonlinear kinetic Alfvén waves in space plasmas with generalized (r, q) distribution. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	23
21	EMEC instability based on kappa-Maxwellian distributed trapped electrons in auroral plasma. <i>Astrophysics and Space Science</i> , 2018, 363, 1.	1.4	6
22	An alternative explanation for the density depletions observed by Freja and Viking satellites. <i>AIP Advances</i> , 2018, 8, .	1.3	17
23	Nonlinear coupling of kinetic Alfvén waves with acoustic waves in a self-gravitating dusty plasma with adiabatic trapping. <i>Physics of Plasmas</i> , 2017, 24, 073704.	1.9	6
24	Scattering from anisotropic plasma-coated PEMC cylinder buried beneath a slightly rough surface. <i>Journal of Modern Optics</i> , 2017, 64, 101-110.	1.3	3
25	Electron heat flux instability. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1672-1681.	4.4	32
26	Linear and nonlinear coupling of electromagnetic and electrostatic fluctuations with one dimensional trapping of electrons using product (r, q) distribution. <i>Physics of Plasmas</i> , 2016, 23, 062307.	1.9	13
27	Alfvén solitary waves in nonrelativistic, relativistic, and ultra-relativistic degenerate quantum plasma. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	3
28	Finite amplitude solitary structures of coupled kinetic Alfvén-acoustic waves in dense plasmas. <i>Astrophysics and Space Science</i> , 2015, 355, 225-232.	1.4	7
29	Nonlinear kinetic Alfvén waves with non-Maxwellian electron population in space plasmas. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 101-112.	2.4	24
30	Terrestrial lion roars and non-Maxwellian distribution. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 10,059.	2.4	59
31	Drift solitary structures in inhomogeneous degenerate quantum plasmas with trapped electrons. <i>Astrophysics and Space Science</i> , 2014, 350, 615-622.	1.4	7
32	Effect of adiabatic trapping on vortices and solitons in degenerate plasma in the presence of a quantizing magnetic field. <i>Physica Scripta</i> , 2014, 89, 075602.	2.5	14
33	Nonlinear Landau damping of high frequency waves in non-Maxwellian plasmas. <i>Chinese Physics B</i> , 2013, 22, 115201.	1.4	3
34	Effect on Landau damping rates for a non-Maxwellian distribution function consisting of two electron populations. <i>Chinese Physics B</i> , 2013, 22, 035201.	1.4	9
35	Cusp and Regular Ion-Acoustic Solitons. <i>Brazilian Journal of Physics</i> , 2012, 42, 48-54.	1.4	2
36	Electrostatic Solitary Waves. <i>Journal of Fusion Energy</i> , 2012, 31, 112-117.	1.2	0

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37	Effects of trapping and finite temperature in a relativistic degenerate plasma. Physics of Plasmas, 2011, 18, .	1.9	51
38	Effect of trapping in degenerate quantum plasmas. Physics of Plasmas, 2010, 17, 032312.	1.9	55
39	An interpretation for the bipolar electric field structures parallel to the magnetic field observed in the auroral ionosphere. Annales Geophysicae, 2008, 26, 1431-1437.	1.6	8
40	Parallel Proton Heating in Solar Wind Using Generalized (r, q) Distribution Function. Solar Physics, 2006, 236, 167-183.	2.5	44
41	Landau damping in space plasmas with generalized (r,q) distribution function. Physics of Plasmas, 2005, 12, 122902.	1.9	47
42	Parallel propagating electromagnetic modes with the generalized (r,q) distribution function. Physics of Plasmas, 2004, 11, 3819-3829.	1.9	101
43	Solar Wind Particle Distribution Function Fitted via the Generalized Kappa Distribution Function: Cluster Observations. AIP Conference Proceedings, 2003, , .	0.4	22