Muhammad Nouman Sarwar Qureshi

List of Publications by Year
in descending order

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43 papers	722 citations	623734 14 h-index	580821 25 g-index
45 all docs	45 docs citations	45 times ranked	227 citing authors

#	Article	IF	Citations
1	Parallel propagating electromagnetic modes with the generalized (r,q) distribution function. Physics of Plasmas, 2004, 11, 3819-3829.	1.9	101
2	Terrestrial lion roars and nonâ€Maxwellian distribution. Journal of Geophysical Research: Space Physics, 2014, 119, 10,059.	2.4	59
3	Effect of trapping in degenerate quantum plasmas. Physics of Plasmas, 2010, 17, 032312.	1.9	55
4	Effects of trapping and finite temperature in a relativistic degenerate plasma. Physics of Plasmas, 2011, 18, .	1.9	51
5	Landau damping in space plasmas with generalized (r,q) distribution function. Physics of Plasmas, 2005, 12, 122902.	1.9	47
6	Parallel Proton Heating in Solar Wind Using Generalized (r, q) Distribution Function. Solar Physics, 2006, 236, 167-183.	2.5	44
7	Electron acoustic nonlinear structures in planetary magnetospheres. Physics of Plasmas, 2018, 25, .	1.9	36
8	Electron heat flux instability. Monthly Notices of the Royal Astronomical Society, 2017, 465, 1672-1681.	4.4	32
9	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
10	Nonlinear kinetic AlfvÃ©n waves with nonâ€Maxwellian electron population in space plasmas. Journal of Geophysical Research: Space Physics, 2015, 120, 101-112.	2.4	24
11	Nonlinear kinetic Alfven waves in space plasmas with generalized (r , q r,q) distribution. Astrophysics and Space Science, 2018, 363, 1.	1.4	23
12	Solar Wind Particle Distribution Function Fitted via the Generalized Kappa Distribution Function: Cluster Observations. AIP Conference Proceedings, 2003, , .	0.4	22
13	Alfvenic perturbations with finite Larmor radius effect in non-Maxwellian electronâ€“positronâ€“ion plasmas. AIP Advances, 2020, 10, 025002.	1.3	20
14	An alternative explanation for the density depletions observed by Freja and Viking satellites. AIP Advances, 2018, 8, .	1.3	17
15	Compressive and rarefactive solitary structures of coupled kinetic Alfven-acoustic waves in non-Maxwellian space plasmas. Physics of Plasmas, 2019, 26, .	1.9	16
16	Effect of adiabatic trapping on vortices and solitons in degenerate plasma in the presence of a quantizing magnetic field. Physica Scripta, 2014, 89, 075602.	2.5	14
17	Linear and nonlinear coupling of electromagnetic and electrostatic fluctuations with one dimensional trapping of electrons using product bi (r,q) distribution. Physics of Plasmas, 2016, 23, 062307.	1.9	13
18	Electron acoustic instability in four component space plasmas with observed generalized (r,q) distribution function. AIP Advances, 2019, 9, .	1.3	13

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19	Solar wind driven electrostatic instabilities with generalized (r, q) distribution function. Contributions To Plasma Physics, 2019, 59, e201800159.	1.1	10
20	Effect on Landau damping rates for a non-Maxwellian distribution function consisting of two electron populations. Chinese Physics B, 2013, 22, 035201.	1.4	9
21	Investigation of cubic nonâ€linearityâ€driven electrostatic structures in the presence of double spectral index distribution function. Contributions To Plasma Physics, 2020, 60, e201900065.	1.1	9
22	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
23	Drift solitary structures in inhomogeneous degenerate quantum plasmas with trapped electrons. Astrophysics and Space Science, 2014, 350, 615-622.	1.4	7
24	Finite amplitude solitary structures of coupled kinetic Alfven-acoustic waves in dense plasmas. Astrophysics and Space Science, 2015, 355, 225-232.	1.4	7
25	Nonlinear ion-acoustic waves in eâ€“pâ€“i plasmas with (r, q) distributed electrons and positrons. AIP Advances, 2020, 10, .	1.3	7
26	Nonlinear coupling of kinetic Alfven waves with acoustic waves in a self-gravitating dusty plasma with adiabatic trapping. Physics of Plasmas, 2017, 24, 073704.	1.9	6
27	EMEC instability based on kappa-Maxwellian distributed trapped electrons in auroral plasma. Astrophysics and Space Science, 2018, 363, 1.	1.4	6
28	Energization of cold ions by electromagnetic ion cyclotron waves: Magnetospheric multiscale (MMS) observations. Physics of Plasmas, 2021, 28, 072901.	1.9	5
29	Trapping in quantum plasmas: a review. Reviews of Modern Plasma Physics, 2022, 6, .	4.1	5
30	<scp>Ionâ€acoustic</scp> solitary waves in eâ€pâ€i plasmas with (r, q)â€distributed electrons and kappaâ€distributed positrons. Contributions To Plasma Physics, 2020, 60, e202000058.	1.1	4
31	Nonlinear Landau damping of high frequency waves in non-Maxwellian plasmas. Chinese Physics B, 2013, 22, 115201.	1.4	3
32	Alfven solitary waves in nonrelativistic, relativistic, and ultra-relativistic degenerate quantum plasma. Physics of Plasmas, 2015, 22, .	1.9	3
33	Scattering from anisotropic plasma-coated PEMC cylinder buried beneath a slightly rough surface. Journal of Modern Optics, 2017, 64, 101-110.	1.3	3
34	Coupled Drift Ion Acoustic Shock waves with trapped electrons in Quantum Magnetoplasma. Physica Scripta, 2020, 95, 085602.	2.5	3
35	Nonlinear drift ion acoustic waves in degenerate plasmas with adiabatic trapping. Physica Scripta, 2020, 95, 045609.	2.5	3
36	Cusp and Regular Ion-Acoustic Solitons. Brazilian Journal of Physics, 2012, 42, 48-54.	1.4	2

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37	Effect of suprathermal particles on EMEC instability in kappa-Maxwellian distributed space plasmas. Astrophysics and Space Science, 2020, 365, 1.	1.4	2
38	Acoustic Modes of Multi-Ion Dusty Plasmas. Journal of the Korean Physical Society, 2020, 76, 824-828.	0.7	1
39	Electrostatic Solitary Waves. Journal of Fusion Energy, 2012, 31, 112-117.	1.2	0
40	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
41	Relativistic study of electromagnetic electron cyclotron instability based on trapped electrons in kappaâ€Maxwellian auroral plasmas. Contributions To Plasma Physics, 2021, 61, e202100012.	1.1	0
42	Effect of ion temperature on ion acoustic shock structures in dissipative (r,q) distributed plasma. AIP Advances, 2022, 12, 045105.	1.3	0
43	A Model for Nonlinear Waves in Space Plasma with Generalized (r, q) Distribution. , 2021, , .		0