Sajjad Hussain

List of Publications by Year
in descending order

54 papers	552 citations	623734 14 h-index	839539 18 g-index
54 all docs	54 docs citations	54 times ranked	225 citing authors

#	Article	IF	Citations
1	Neutrino beam driven instability of magnetosonic waves in the presence of oblique magnetic field and ion-neutral collisional effect in plasmas. Physica Scripta, 2022, 97, 015602.	2.5	1
2	Nonlinear propagation of fast and slow magnetosonic waves in collisional plasmas. Contributions To Plasma Physics, 2021, 61, e202000210.	1.1	4
3	Nonlinear Periodic Wave Propagation of Fast and Slow Magnetosonic Waves in the Presence of Oblique Magnetic Field. IEEE Transactions on Plasma Science, 2021, 49, 1776-1785.	1.3	2
4	Mean Estimators Using Robust Quantile Regression and L-Moments' Characteristics for Complete and Partial Auxiliary Information. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	4
5	Spin density polarization effects in the presence of Coriolis force on ion acoustic waves in quantum plasma. Contributions To Plasma Physics, 2021, 61, e202000189.	1.1	7
6	Magnetoacoustic solitons in pair-ion fullerene plasma. Waves in Random and Complex Media, 2020, 30, 632-642.	2.7	9
7	Oblique propagation of nonlinear solitary structures in electron positron ion plasmas under the influence of quantizing magnetic field. Plasma Research Express, 2020, 2, 015010.	0.9	2
8	The influence of Landau quantization on the propagation of solitary structures in collisional plasmas. Communications in Theoretical Physics, 2020, 72, 085503.	2.5	1
9	Nonlinear dust magnetosonic waves in collisional plasma. European Physical Journal Plus, 2019, 134, 1.	2.6	4
10	The effect of magnetic field quantization on the propagation of shock waves in quantum plasmas. Physics of Plasmas, 2019, 26, 052105.	1.9	8
11	Damped electrostatic ion acoustic solitary wave structures in quantum plasmas with Bohm potential and spin effects. Chinese Physics B, 2019, 28, 015202.	1.4	7
12	Two‐dimensional magnetosonic shock wave propagation in dense electron–positron–ion plasmas. Contributions To Plasma Physics, 2019, 59, e201800113.	1.1	3
13	Fast magnetohydrodynamic cnoidal waves and solitons in electron-positron plasma. AIP Advances, 2018, 8, 015311.	1.3	5
14	Magnetosonic solitons in dense astrophysical plasmas with exchange-correlation potential effects. Chaos, Solitons and Fractals, 2018, 106, 266-272.	5.1	14
15	Magnetosonic solitons in semiconductor plasmas in the presence of quantum tunneling and exchange correlation effects. Physics of Plasmas, 2018, 25, 012104.	1.9	13
16	Interaction of magnetoacoustic solitons in plasmas with dispersion effects through electron inertia. Contributions To Plasma Physics, 2018, 58, 1015-1026.	1.1	7
17	Collisional effects in negative ion plasmas in the presence of degenerate electrons. Physics of Plasmas, 2018, 25, 062109.	1.9	6
18	Magnetoacoustic nonlinear periodic (cnoidal) waves in plasmas. Physics of Plasmas, 2017, 24, 012106.	1.9	20

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19	Magnetosonic wave in pair-ion electron collisional plasmas. Physics of Plasmas, 2017, 24, .	1.9	32
20	Magnetosonic hump and dip solitons in a quantum plasma with Bohm potential effect. Physics of Plasmas, 2017, 24, 032122.	1.9	11
21	Ion-acoustic shocks in magnetized quantum plasmas with relative density effects of spin-up and spin-down degenerate electrons. Physics of Plasmas, 2017, 24, .	1.9	16
22	Electromagnetic dip and hump solitary structures in oxygen-hydrogen dissipative plasmas. Physics of Plasmas, 2017, 24, .	1.9	6
23	Damped electrostatic structures in quantum plasmas. Physics of Plasmas, 2017, 24, 062109.	1.9	10
24	Magnetosonic Shocks in Ultra-Relativistic Dissipative Degenerate Plasmas. Chinese Physics Letters, 2016, 33, 085204.	3.3	3
25	Nonlinear ion acoustic dissipative shock structure with exchange-correlation effects in quantum semiconductor plasmas. Physics of Plasmas, 2016, 23, .	1.9	18
26	Dissipative shocks in multicomponent magneto rotating Lorentzian plasmas. Astrophysics and Space Science, 2015, 360, 1.	1.4	7
27	Aberrations in Particle Distribution Functions Near e-POP Particle Sensors. IEEE Transactions on Plasma Science, 2015, 43, 2776-2781.	1.3	3
28	Nonlinear oscillatory and monotonic shocks in dense plasmas with ultra-relativistic degenerate electrons. Astrophysics and Space Science, 2015, 359, 1.	1.4	5
29	Ion acoustic shocks in magneto rotating Lorentzian plasmas. Physics of Plasmas, 2014, 21, 122120.	1.9	7
30	Nonlinear magnetosonic waves in dense plasmas with non-relativistic and ultra-relativistic degenerate electrons. Physics of Plasmas, 2014, 21, .	1.9	17
31	Sheath-induced distortions in particle distributions near enhanced polar outflow probe particle sensors. Physics of Plasmas, 2014, 21, 072902.	1.9	4
32	Obliquely propagating solitary wave structures in nonextensive magneto-rotating plasmas. Astrophysics and Space Science, 2014, 350, 185-190.	1.4	7
33	Two dimensional ion acoustic shocks in electron-positron-ion plasmas with warm ions, and q-nonextensive distributed electrons and positrons. Astrophysics and Space Science, 2014, 351, 573-580.	1.4	17
34	Investigation of the properties of electrostatic IA solitary wave structures in negative ion magneto-plasmas with superthermal electrons. Astrophysics and Space Science, 2014, 352, 605-612.	1.4	4
35	Magnetosonic shock waves in dense astrophysical electronâ€“positronâ€“ion plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2105-2110.	2.1	11
36	Ion acoustic solitary waves in electron-positron-ion magneto-rotating Lorentzian plasmas. Astrophysics and Space Science, 2013, 348, 475-481.	1.4	13

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37	Korteweg de Vries Burgers equation in multi-ion and pair-ion plasmas with Lorentzian electrons. Physics of Plasmas, 2013, 20, 012305.	1.9	14
38	Shocks in multicomponent cylindrical and spherical Lorentzian plasmas. Astrophysics and Space Science, 2013, 343, 329-333.	1.4	9
39	Magnetoacoustic solitons in dense astrophysical electron-positron-ion plasmas. Astrophysics and Space Science, 2013, 346, 359-366.	1.4	7
40	Propagation of ion acoustic shock waves in negative ion plasmas with nonextensive electrons. Physics of Plasmas, 2013, 20, .	1.9	15
41	Ion acoustic shock waves in plasmas with warm ions and kappa distributed electrons and positrons. Physics of Plasmas, 2013, 20, .	1.9	18
42	The Effect of Spectral Index Parameter κ on Obliquely Propagating Solitary Wave Structures in Magneto-Rotating Plasmas. Chinese Physics Letters, 2012, 29, 065202.	3.3	9
43	Propagation of magnetoacoustic shock waves in cylindrical geometry. Astrophysics and Space Science, 2012, 342, 117-123.	1.4	10
44	Ion acoustic solitons in negative ion plasmas with superthermal electrons. Astrophysics and Space Science, 2012, 338, 265-270.	1.4	21
45	Non Planar Electrostatic Solitary Wave Structures in Negative Ion Degenerate Plasma. Chinese Physics Letters, 2011, 28, 045202.	3.3	12
46	Magnetoacoustic solitons in quantum plasma. Physics of Plasmas, 2011, 18, .	1.9	17
47	Ion acoustic shock waves in degenerate plasmas. Physics of Plasmas, 2011, 18, .	1.9	17
48	Two dimensional electromagnetic shock structures in dense electron-positron-ion magnetoplasmas. Astrophysics and Space Science, 2011, 332, 287-299.	1.4	17
49	Korteweg-de Vries Burgers equation for magnetosonic wave in plasma. Physics of Plasmas, 2011, 18, .	1.9	25
50	Imploding and exploding shocks in negative ion degenerate plasmas. Physics of Plasmas, 2011, 18, 082107.	1.9	9
51	Magnetoacoustic shock waves in dissipative degenerate plasmas. Physics of Plasmas, 2011, 18, .	1.9	4
52	Propagation of nonlinear dust magnetoacoustic waves in cylindrical geometry. Physics of Plasmas, 2011, 18, .	1.9	15
53	Electrostatic pair-ion solitons in nonplanar geometries. Physics of Plasmas, 2010, 17, 034504.	1.9	10
54	Arbitrary amplitude ion acoustic solitary waves in the presence of adiabatically heated ions and immobile dust in magnetized plasmas. Physics of Plasmas, 2007, 14, 082303.	1.9	15