

Sajjad Hussain

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Magnetosonic wave in pair-ion electron collisional plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	32
2	Korteweg-de Vries Burgers equation for magnetosonic wave in plasma. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	25
3	Ion acoustic solitons in negative ion plasmas with superthermal electrons. <i>Astrophysics and Space Science</i> , 2012, 338, 265-270.	1.4	21
4	Magnetoacoustic nonlinear periodic (cnoidal) waves in plasmas. <i>Physics of Plasmas</i> , 2017, 24, 012106.	1.9	20
5	Ion acoustic shock waves in plasmas with warm ions and kappa distributed electrons and positrons. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	18
6	Nonlinear ion acoustic dissipative shock structure with exchange-correlation effects in quantum semiconductor plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	18
7	Magnetoacoustic solitons in quantum plasma. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	17
8	Ion acoustic shock waves in degenerate plasmas. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	17
9	Two dimensional electromagnetic shock structures in dense electron-positron-ion magnetoplasmas. <i>Astrophysics and Space Science</i> , 2011, 332, 287-299.	1.4	17
10	Nonlinear magnetosonic waves in dense plasmas with non-relativistic and ultra-relativistic degenerate electrons. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	17
11	Two dimensional ion acoustic shocks in electron-positron-ion plasmas with warm ions, and q-nonextensive distributed electrons and positrons. <i>Astrophysics and Space Science</i> , 2014, 351, 573-580.	1.4	17
12	Ion-acoustic shocks in magnetized quantum plasmas with relative density effects of spin-up and spin-down degenerate electrons. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	16
13	Arbitrary amplitude ion acoustic solitary waves in the presence of adiabatically heated ions and immobile dust in magnetized plasmas. <i>Physics of Plasmas</i> , 2007, 14, 082303.	1.9	15
14	Propagation of nonlinear dust magnetoacoustic waves in cylindrical geometry. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	15
15	Propagation of ion acoustic shock waves in negative ion plasmas with nonextensive electrons. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	15
16	Korteweg de Vries Burgers equation in multi-ion and pair-ion plasmas with Lorentzian electrons. <i>Physics of Plasmas</i> , 2013, 20, 012305.	1.9	14
17	Magnetosonic solitons in dense astrophysical plasmas with exchange-correlation potential effects. <i>Chaos, Solitons and Fractals</i> , 2018, 106, 266-272.	5.1	14
18	Ion acoustic solitary waves in electron-positron-ion magneto-rotating Lorentzian plasmas. <i>Astrophysics and Space Science</i> , 2013, 348, 475-481.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Magnetosonic solitons in semiconductor plasmas in the presence of quantum tunneling and exchange correlation effects. <i>Physics of Plasmas</i> , 2018, 25, 012104.	1.9	13
20	Non Planar Electrostatic Solitary Wave Structures in Negative Ion Degenerate Plasma. <i>Chinese Physics Letters</i> , 2011, 28, 045202.	3.3	12
21	Magnetosonic shock waves in dense astrophysical electron-positron-ion plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2105-2110.	2.1	11
22	Magnetosonic hump and dip solitons in a quantum plasma with Bohm potential effect. <i>Physics of Plasmas</i> , 2017, 24, 032122.	1.9	11
23	Electrostatic pair-ion solitons in nonplanar geometries. <i>Physics of Plasmas</i> , 2010, 17, 034504.	1.9	10
24	Propagation of magnetoacoustic shock waves in cylindrical geometry. <i>Astrophysics and Space Science</i> , 2012, 342, 117-123.	1.4	10
25	Damped electrostatic structures in quantum plasmas. <i>Physics of Plasmas</i> , 2017, 24, 062109.	1.9	10
26	Imploding and exploding shocks in negative ion degenerate plasmas. <i>Physics of Plasmas</i> , 2011, 18, 082107.	1.9	9
27	The Effect of Spectral Index Parameter β^p on Obliquely Propagating Solitary Wave Structures in Magneto-Rotating Plasmas. <i>Chinese Physics Letters</i> , 2012, 29, 065202.	3.3	9
28	Shocks in multicomponent cylindrical and spherical Lorentzian plasmas. <i>Astrophysics and Space Science</i> , 2013, 343, 329-333.	1.4	9
29	Magnetoacoustic solitons in pair-ion fullerene plasma. <i>Waves in Random and Complex Media</i> , 2020, 30, 632-642.	2.7	9
30	The effect of magnetic field quantization on the propagation of shock waves in quantum plasmas. <i>Physics of Plasmas</i> , 2019, 26, 052105.	1.9	8
31	Magnetoacoustic solitons in dense astrophysical electron-positron-ion plasmas. <i>Astrophysics and Space Science</i> , 2013, 346, 359-366.	1.4	7
32	Ion acoustic shocks in magneto rotating Lorentzian plasmas. <i>Physics of Plasmas</i> , 2014, 21, 122120.	1.9	7
33	Obliquely propagating solitary wave structures in nonextensive magneto-rotating plasmas. <i>Astrophysics and Space Science</i> , 2014, 350, 185-190.	1.4	7
34	Dissipative shocks in multicomponent magneto rotating Lorentzian plasmas. <i>Astrophysics and Space Science</i> , 2015, 360, 1.	1.4	7
35	Interaction of magnetoacoustic solitons in plasmas with dispersion effects through electron inertia. <i>Contributions To Plasma Physics</i> , 2018, 58, 1015-1026.	1.1	7
36	Damped electrostatic ion acoustic solitary wave structures in quantum plasmas with Bohm potential and spin effects. <i>Chinese Physics B</i> , 2019, 28, 015202.	1.4	7

#	ARTICLE	IF	CITATIONS
37	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
38	Electromagnetic dip and hump solitary structures in oxygen-hydrogen dissipative plasmas. Physics of Plasmas, 2017, 24, .	1.9	6
39	Collisional effects in negative ion plasmas in the presence of degenerate electrons. Physics of Plasmas, 2018, 25, 062109.	1.9	6
40	Nonlinear oscillatory and monotonic shocks in dense plasmas with ultra-relativistic degenerate electrons. Astrophysics and Space Science, 2015, 359, 1.	1.4	5
41	Fast magnetohydrodynamic cnoidal waves and solitons in electron-positron plasma. AIP Advances, 2018, 8, 015311.	1.3	5
42	Magnetoacoustic shock waves in dissipative degenerate plasmas. Physics of Plasmas, 2011, 18, .	1.9	4
43	Sheath-induced distortions in particle distributions near enhanced polar outflow probe particle sensors. Physics of Plasmas, 2014, 21, 072902.	1.9	4
44	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
45	Nonlinear dust magnetosonic waves in collisional plasma. European Physical Journal Plus, 2019, 134, 1.	2.6	4
46	Nonlinear propagation of fast and slow magnetosonic waves in collisional plasmas. Contributions To Plasma Physics, 2021, 61, e202000210.	1.1	4
47	Mean Estimators Using Robust Quantile Regression and L-Moments TM Characteristics for Complete and Partial Auxiliary Information. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	4
48	Aberrations in Particle Distribution Functions Near e-POP Particle Sensors. IEEE Transactions on Plasma Science, 2015, 43, 2776-2781.	1.3	3
49	Magnetosonic Shocks in Ultra-Relativistic Dissipative Degenerate Plasmas. Chinese Physics Letters, 2016, 33, 085204.	3.3	3
50	Two-dimensional magnetosonic shock wave propagation in dense electron-positron ion plasmas. Contributions To Plasma Physics, 2019, 59, e201800113.	1.1	3
51	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
52	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
53	The influence of Landau quantization on the propagation of solitary structures in collisional plasmas. Communications in Theoretical Physics, 2020, 72, 085503.	2.5	1
54	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