Hamid Saleem

List of Publications by Year
in descending order

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74	818	566801	580395
papers	citations	15	25
		h-index	g-index

77	77	77	233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fundamental electrostatic modes of PI and NPI plasmas with and without electrons. European Physical Journal Plus, 2022, 137, 1.	1.2	3
2	Exact solution of partial differential equations for the creation of jet-like flows in plasmas and neutral fluids. Physics of Plasmas, 2021, 28, 044503.	0.7	1
3	Solar wind interaction with dusty plasma produces electrostatic instabilities and solitons. Astrophysics and Space Science, 2021, 366, 1.	0.5	4
4	Generation of Short-scale Electrostatic Fields in the Solar Atmosphere and the Role of Helium Ions. Astrophysical Journal, 2021, 922, 48.	1.6	3
5	Kappa distributed trapped electrons, drift wave instability and nonlinear structures in Oâ€“H plasma of ionosphere. European Physical Journal Plus, 2020, 135, 1.	1.2	5
6	Theoretical models for unstable IAWs and nonlinear structures in the upper ionosphere. Reviews of Modern Plasma Physics, 2020, 4, 1.	2.2	5
7	Double layers in an inhomogeneous magnetized biâ€ion plasma. Contributions To Plasma Physics, 2019, 59, e201800099.	0.5	3
8	Electrostatic wave instability and soliton formation with non-thermal electrons in O-H plasma of ionosphere. Physics of Plasmas, 2019, 26, 022114.	0.7	12
9	Excitation of IAWs by ions shear flow and electron parallel current in positive-negative ion plasma. Physics of Plasmas, 2019, 26, 112105.	0.7	6
10	Compressive and rarefactive double layers in non-uniform plasma with q q -nonextensive distributed electrons. Astrophysics and Space Science, 2018, 363, 1.	0.5	1
11	A study of the non-Maxwellian pair-ion and pair-ion-electron plasmas. Physics of Plasmas, 2018, 25, .	0.7	15
12	Solitons and Vortices of Shear-Flow-Modified Dust Acoustic Wave. Journal of the Physical Society of Japan, 2018, 87, 014501.	0.7	2
13	Nonlinear shear flow-modified dust ion acoustic waves. Physics of Plasmas, 2018, 25, 083713.	0.7	3
14	Vertical sizes of 1-D and 2-D electrostatic solitons with nonextensive and trapped electrons in the upper ionosphere. Physics of Plasmas, 2018, 25, 052107.	0.7	3
15	Effect of non-Maxwellian electrons on shear flow modified ion acoustic solitons. Physics of Plasmas, 2017, 24, .	0.7	6
16	Electrostatic double layers and solitary structures in non-Maxwellian unmagnetized plasmas. AIP Advances, 2017, 7, 085119.	0.6	8
17	Electrostatic instabilities and nonlinear structures associated with field-aligned plasma flows and Cairns-Tsallis electrons in the ionosphere. Astrophysics and Space Science, 2017, 362, 1.	0.5	8
18	Solar wind interaction with dusty plasmas produces instabilities and solitary structures. Astrophysics and Space Science, 2017, 362, 1.	0.5	4

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19	Solitary structures in an inhomogeneous plasma with pseudo-potential approach. Physics of Plasmas, 2017, 24, 114502.	0.7	4
20	Trapped electrons and solitary waves in non-uniform mixture of ionized gases. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2821-2826.	0.9	4
21	Nonlinear Electrostatic Waves in PIE and PI Plasmas With Field-Aligned Shear Flow. IEEE Transactions on Plasma Science, 2017, 45, 2202-2207.	0.6	2
22	Ions shear flow and electron field-aligned current produce ion acoustic waves in the oxygen-hydrogen ionospheric plasma. Physics of Plasmas, 2017, 24, .	0.7	9
23	Ion acoustic wave instabilities and nonlinear structures associated with field-aligned flows in the F-region ionosphere. Physics of Plasmas, 2016, 23, .	0.7	19
24	Modified ion-acoustic solitary waves in plasmas with field-aligned shear flows. Physics of Plasmas, 2015, 22, .	0.7	13
25	Partially transverse and partially longitudinal wave in non-uniform electron plasmas. Journal of Plasma Physics, 2014, 80, 447-451.	0.7	1
26	Current-driven AlfvÃ©n waves in dusty magnetospheric plasmas. Astrophysics and Space Science, 2014, 349, 285-291.	0.5	1
27	Current-driven solitons and shocks in plasmas having non-Maxwellian electrons. Astrophysics and Space Science, 2014, 349, 215-222.	0.5	6
28	Cylindrically confined pair-ion-electron and pair-ion plasmas having axial sheared flow and radial gradients. Physics of Plasmas, 2013, 20, 102304.	0.7	1
29	Coupling of the Okudaâ€“Dawson model with a shear current-driven wave and the associated instability. Journal of Plasma Physics, 2013, 79, 1129-1131.	0.7	0
30	Short scale electrostatic vortices driven by electrons sheared flow parallel to external magnetic field in heavier ion plasmas. Physics of Plasmas, 2012, 19, 042107.	0.7	1
31	Linear and nonlinear dynamics of current-driven waves in dusty plasmas. Physics of Plasmas, 2012, 19, 092115.	0.7	2
32	Solar wind interactions with the dusty magnetosphere of Jupiter produce shocks and solitons associated with nonlinear drift waves. Journal of Geophysical Research, 2012, 117, .	3.3	20
33	SELF-HEATING OF CORONA BY ELECTROSTATIC FIELDS DRIVEN BY SHEARED FLOWS. Astrophysical Journal, 2012, 748, 90.	1.6	11
34	Electrostatic global vortices in a nonuniform cylindrical magneto-plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 497-499.	0.9	0
35	Sheared flow of electrons and ions introduces new drift-type modes and instabilities in plasmas with stationary dust. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 3877-3879.	0.9	10
36	Electron shear-flow-driven instability in magnetized plasmas with magnetic field gradient. Physics of Plasmas, 2011, 18, 052103.	0.7	11

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37	Shear flow-driven electrostatic instabilities in low density and low temperature pair-ion plasmas with and without electrons. Physics of Plasmas, 2011, 18, 052108.	0.7	4
38	Nonlinear inertial Alfvèn wave in dusty plasmas. AIP Conference Proceedings, 2011, , .	0.3	0
39	Drift eigenmodes in plasmas with negative ions. Journal of Plasma Physics, 2010, 76, 337-344.	0.7	3
40	Drift wave instability analysis in pair-ion-electron plasmas using kinetic approach. Physics of Plasmas, 2010, 17, 092101.	0.7	6
41	Nonequilibrium two-fluid plasmas can generate magnetic fields and flows simultaneously. Physics of Plasmas, 2010, 17, .	0.7	8
42	Nonlinear structures of drift waves in pair-ion-electron plasmas. Physics of Plasmas, 2009, 16, .	0.7	19
43	Kinetic effects on streaming instabilities in electron-positron-ion plasmas. Physics of Plasmas, 2009, 16, .	0.7	10
44	Electrostatic and thermal fluctuations are the source of magnetic fields in unmagnetized inhomogeneous plasmas. Physics of Plasmas, 2009, 16, 082102.	0.7	4
45	Linear coupling of Alfven waves and acoustic-type modes in dense quantum magnetoplasmas. Physics of Plasmas, 2009, 16, .	0.7	17
46	Electrostatic Kortewegâ€“de Vries solitons in pure pair-ion and pair-ionâ€“electron plasmas. Physica Scripta, 2009, 80, 035502.	1.2	20
47	Ion acoustic vortices in quantum magnetoplasmas. Physics of Plasmas, 2008, 15, .	0.7	28
48	Low frequency electrostatic and electromagnetic modes of ultracold magnetized nonuniform dense plasmas. Physics of Plasmas, 2008, 15, .	0.7	5
49	Linear and nonlinear ion-acoustic waves in very dense magnetized plasmas. Physics of Plasmas, 2008, 15, 082303.	0.7	15
50	Streaming instabilities in multicomponent interstellar clouds. Physics of Plasmas, 2008, 15, 072904.	0.7	17
51	Solitary inertial AlfvÃ©n waves in dusty plasmas. Physics of Plasmas, 2008, 15, .	0.7	7
52	GENERATION OF GALACTIC SEED MAGNETIC FIELDS. , 2008, , .		0
53	Effects of adiabatic hot dust on arbitrary amplitude electrostatic solitary structures in magnetoplasmas. Physics of Plasmas, 2007, 14, 074504.	0.7	3
54	On the shear flow instability and its applications to multicomponent plasmas. Physics of Plasmas, 2007, 14, .	0.7	33

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55	A criterion for pure pair-ion plasmas and the role of quasineutrality in nonlinear dynamics. Physics of Plasmas, 2007, 14, 014505.	0.7	66
56	Theory of cosmological seed magnetic fields. Physics of Plasmas, 2007, 14, 072105.	0.7	3
57	Electromagnetic ion acoustic perturbations in spatially varying plasma. Physics of Plasmas, 2007, 14, 034504.	0.7	7
58	Unstable drift mode driven by shear plasma flow in solar spicules. Astronomy and Astrophysics, 2007, 471, 289-293.	2.1	18
59	DOES QUASI-NEUTRALITY REMAIN VALID IN PAIR-ION PLASMAS?. , 2007, , .		0
60	Kinetic theory of acoustic wave in pair-ion plasmas. Physics of Plasmas, 2006, 13, 044502.	0.7	54
61	Solar wind interaction with the stationary dust can produce drift waves to form nonlinear structures. Physics of Plasmas, 2006, 13, 012903.	0.7	15
62	On some properties of linear and nonlinear waves in pair-ion plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 375-379.	0.9	54
63	Nonlinear dust acoustic and dust kinetic AlfvÃ©n waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 338, 345-352.	0.9	12
64	Electrostatic shocks and solitons in nonuniform dusty plasmas. Physics of Plasmas, 2005, 12, 094505.	0.7	5
65	Shear flow driven drift waves and the counter-rotating vortices. Physics of Plasmas, 2005, 12, 104504.	0.7	13
66	Ion acoustic auroral structures in the presence of hot ion precipitation in the upper ionosphere. Journal of Geophysical Research, 2005, 110, .	3.3	16
67	Beltrami-like fields created by baroclinic effect in two-fluid plasmas. Physics of Plasmas, 2004, 11, 4865-4867.	0.7	4
68	Rotation-induced dust drift waves in planetary magnetospheres. Journal of Geophysical Research, 2004, 109, .	3.3	14
69	Nonlinear dynamics of electrostatic and electromagnetic drift modes in dusty plasmas. Journal of Geophysical Research, 2003, 108, .	3.3	13
70	Electrostatic instabilities and nonlinear structures of low-frequency waves in nonuniform electronâ€“positronâ€“ion plasmas with shear flow. Physics of Plasmas, 2003, 10, 4675-4679.	0.7	10
71	Nonlinear drift waves in electron-positron-ion plasmas. Physical Review E, 2003, 67, 057402.	0.8	66
72	Theory of magnetic field generation. Physical Review E, 1996, 54, 4469-4472.	0.8	19

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73	Nonlinear excitation of slow shear AlfvÃ©n mode by electromagnetic waves. Journal of Plasma Physics, 1987, 38, 453-459.	0.7	3
74	Nonlinear excitation of electron-acoustic waves. Journal of Plasma Physics, 1986, 36, 295-299.	0.7	10