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	Nonlinear drift waves in electron-positron-ion plasmas. Physical Review E, 2003, 67, 057402.	0.8	66
2	A criterion for pure pair-ion plasmas and the role of quasineutrality in nonlinear dynamics. Physics of Plasmas, 2007, 14, 014505.	0.7	66
3	Kinetic theory of acoustic wave in pair-ion plasmas. Physics of Plasmas, 2006, 13, 044502.	0.7	54
4	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
5	On the shear flow instability and its applications to multicomponent plasmas. Physics of Plasmas, 2007, 14, .	0.7	33
6	Ion acoustic vortices in quantum magnetoplasmas. Physics of Plasmas, 2008, 15, .	0.7	28
7	Electrostatic Kortewegâ€“de Vries solitons in pure pair-ion and pair-ionâ€“electron plasmas. Physica Scripta, 2009, 80, 035502.	1.2	20
8	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
9	Theory of magnetic field generation. Physical Review E, 1996, 54, 4469-4472.	0.8	19
10	Nonlinear structures of drift waves in pair-ion-electron plasmas. Physics of Plasmas, 2009, 16, .	0.7	19
11	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
12	Unstable drift mode driven by shear plasma flow in solar spicules. Astronomy and Astrophysics, 2007, 471, 289-293.	2.1	18
13	Streaming instabilities in multicomponent interstellar clouds. Physics of Plasmas, 2008, 15, 072904.	0.7	17
14	Linear coupling of Alfven waves and acoustic-type modes in dense quantum magnetoplasmas. Physics of Plasmas, 2009, 16, .	0.7	17
15	Ion acoustic auroral structures in the presence of hot ion precipitation in the upper ionosphere. Journal of Geophysical Research, 2005, 110, .	3.3	16
16	Solar wind interaction with the stationary dust can produce drift waves to form nonlinear structures. Physics of Plasmas, 2006, 13, 012903.	0.7	15
17	Linear and nonlinear ion-acoustic waves in very dense magnetized plasmas. Physics of Plasmas, 2008, 15, 082303.	0.7	15
18	A study of the non-Maxwellian pair-ion and pair-ion-electron plasmas. Physics of Plasmas, 2018, 25, .	0.7	15

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19	Rotation-induced dust drift waves in planetary magnetospheres. Journal of Geophysical Research, 2004, 109, .	3.3	14
20	Nonlinear dynamics of electrostatic and electromagnetic drift modes in dusty plasmas. Journal of Geophysical Research, 2003, 108, .	3.3	13
21	Shear flow driven drift waves and the counter-rotating vortices. Physics of Plasmas, 2005, 12, 104504.	0.7	13
22	Modified ion-acoustic solitary waves in plasmas with field-aligned shear flows. Physics of Plasmas, 2015, 22, .	0.7	13
23	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
24	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
25	Electron shear-flow-driven instability in magnetized plasmas with magnetic field gradient. Physics of Plasmas, 2011, 18, 052103.	0.7	11
26	SELF-HEATING OF CORONA BY ELECTROSTATIC FIELDS DRIVEN BY SHEARED FLOWS. Astrophysical Journal, 2012, 748, 90.	1.6	11
27	Nonlinear excitation of electron-acoustic waves. Journal of Plasma Physics, 1986, 36, 295-299.	0.7	10
28	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
29	Kinetic effects on streaming instabilities in electron-positron-ion plasmas. Physics of Plasmas, 2009, 16, .	0.7	10
30	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
31	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
32	Nonequilibrium two-fluid plasmas can generate magnetic fields and flows simultaneously. Physics of Plasmas, 2010, 17, .	0.7	8
33	Electrostatic double layers and solitary structures in non-Maxwellian unmagnetized plasmas. AIP Advances, 2017, 7, 085119.	0.6	8
34	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
35	Electromagnetic ion acoustic perturbations in spatially varying plasma. Physics of Plasmas, 2007, 14, 034504.	0.7	7
36	Solitary inertial AlfvÃ©n waves in dusty plasmas. Physics of Plasmas, 2008, 15, .	0.7	7

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37	Drift wave instability analysis in pair-ion-electron plasmas using kinetic approach. Physics of Plasmas, 2010, 17, 092101.	0.7	6
38	Current-driven solitons and shocks in plasmas having non-Maxwellian electrons. Astrophysics and Space Science, 2014, 349, 215-222.	0.5	6
39	Effect of non-Maxwellian electrons on shear flow modified ion acoustic solitons. Physics of Plasmas, 2017, 24, .	0.7	6
40	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
41	Electrostatic shocks and solitons in nonuniform dusty plasmas. Physics of Plasmas, 2005, 12, 094505.	0.7	5
42	Low frequency electrostatic and electromagnetic modes of ultracold magnetized nonuniform dense plasmas. Physics of Plasmas, 2008, 15, .	0.7	5
43	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
44	Theoretical models for unstable IAWs and nonlinear structures in the upper ionosphere. Reviews of Modern Plasma Physics, 2020, 4, 1.	2.2	5
45	Beltrami-like fields created by baroclinic effect in two-fluid plasmas. Physics of Plasmas, 2004, 11, 4865-4867.	0.7	4
46	Electrostatic and thermal fluctuations are the source of magnetic fields in unmagnetized inhomogeneous plasmas. Physics of Plasmas, 2009, 16, 082102.	0.7	4
47	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
48	Solar wind interaction with dusty plasmas produces instabilities and solitary structures. Astrophysics and Space Science, 2017, 362, 1.	0.5	4
49	Solitary structures in an inhomogeneous plasma with pseudo-potential approach. Physics of Plasmas, 2017, 24, 114502.	0.7	4
50	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
51	Solar wind interaction with dusty plasma produces electrostatic instabilities and solitons. Astrophysics and Space Science, 2021, 366, 1.	0.5	4
52	Nonlinear excitation of slow shear AlfvÃ©n mode by electromagnetic waves. Journal of Plasma Physics, 1987, 38, 453-459.	0.7	3
53	Effects of adiabatic hot dust on arbitrary amplitude electrostatic solitary structures in magnetoplasmas. Physics of Plasmas, 2007, 14, 074504.	0.7	3
54	Theory of cosmological seed magnetic fields. Physics of Plasmas, 2007, 14, 072105.	0.7	3

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55	Drift eigenmodes in plasmas with negative ions. Journal of Plasma Physics, 2010, 76, 337-344.	0.7	3
56	Nonlinear shear flow-modified dust ion acoustic waves. Physics of Plasmas, 2018, 25, 083713.	0.7	3
57	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
58	Double layers in an inhomogeneous magnetized biâ€ion plasma. Contributions To Plasma Physics, 2019, 59, e201800099.	0.5	3
59	Generation of Short-scale Electrostatic Fields in the Solar Atmosphere and the Role of Helium Ions. Astrophysical Journal, 2021, 922, 48.	1.6	3
60	Fundamental electrostatic modes of PI and NPI plasmas with and without electrons. European Physical Journal Plus, 2022, 137, 1.	1.2	3
61	Linear and nonlinear dynamics of current-driven waves in dusty plasmas. Physics of Plasmas, 2012, 19, 092115.	0.7	2
62	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
63	Solitons and Vortices of Shear-Flow-Modified Dust Acoustic Wave. Journal of the Physical Society of Japan, 2018, 87, 014501.	0.7	2
64	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
65	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
66	Partially transverse and partially longitudinal wave in non-uniform electron plasmas. Journal of Plasma Physics, 2014, 80, 447-451.	0.7	1
67	Current-driven AlfvÃ©n waves in dusty magnetospheric plasmas. Astrophysics and Space Science, 2014, 349, 285-291.	0.5	1
68	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
69	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
70	Nonlinear inertial Alfvèn wave in dusty plasmas. AIP Conference Proceedings, 2011, , .	0.3	0
71	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
72	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

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73	DOES QUASI-NEUTRALITY REMAIN VALID IN PAIR-ION PLASMAS?. , 2007, , .		0
74	GENERATION OF GALACTIC SEED MAGNETIC FIELDS. , 2008, , .		0