

Abdul Mannan

List of Publications by Year in descending order

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70
papers

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623188

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72
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72
docs citations

72
times ranked

231
citing authors

#	ARTICLE	IF	CITATIONS
1	Dust-acoustic solitary waves in a self-gravitating warm opposite polarity dusty plasma. Waves in Random and Complex Media, 2022, 32, 2396-2415.	1.6	4
2	Theory for nucleus-acoustic waves in warm degenerate quantum plasmas. Reviews of Modern Plasma Physics, 2022, 6, 1.	2.2	5
3	Ion-acoustic rogue waves in a multi-component plasma medium. Chinese Journal of Physics, 2022, , .	2.0	0
4	Electrostatic Shock Structures in a Magnetized Plasma Having Non-Thermal Particles. Gases, 2022, 2, 22-32.	1.0	1
5	Modulational Instability of Ion-Acoustic Waves in Pair-Ion Plasma. Plasma, 2022, 5, 1-11.	0.7	2
6	Electrostatic dust-ion-acoustic envelope solitons in an electron-depleted plasma. Contributions To Plasma Physics, 2021, 61, e202000117.	0.5	8
7	Dust-acoustic envelope solitons and rogue waves in an electron depleted plasma. Indian Journal of Physics, 2021, 95, 2837-2846.	0.9	7
8	Dust-acoustic wave electrostatic and self-gravitational potentials in an opposite polarity dusty plasma system. AIP Advances, 2021, 11, .	0.6	5
9	First and second-order dust-ion-acoustic rogue waves in non-thermal plasma. European Physical Journal D, 2021, 75, 1.	0.6	13
10	Ion-Acoustic Rogue Waves in Double Pair Plasma Having Non-Extensive Particles. Universe, 2021, 7, 63.	0.9	6
11	Modulational instability of dust-ion-acoustic waves in pair-ion plasma having non-thermal non-extensive electrons. Contributions To Plasma Physics, 2021, 61, e202000214.	0.5	3
12	Electrostatic Dust-Acoustic Rogue Waves in an Electron Depleted Dusty Plasma. Plasma, 2021, 4, 230-238.	0.7	7
13	Ion-acoustic shock waves in magnetized pair-ion plasma. European Physical Journal D, 2021, 75, 1.	0.6	9
14	Dust-Acoustic Rogue Waves in an Electron-Positron-Ion-Dust Plasma Medium. Galaxies, 2021, 9, 31.	1.1	8
15	Dust-Ion-Acoustic Rogue Waves in a Dusty Plasma Having Super-Thermal Electrons. Gases, 2021, 1, 106-116.	1.0	13
16	Modulational instability of dust-ion-acoustic waves and associated first and second-order rogue waves in a super-thermal plasma. Results in Physics, 2021, 26, 104373.	2.0	9
17	Dust-Ion-Acoustic Envelope Solitons in an Electron-Depleted Plasma. Plasma Physics Reports, 2021, 47, 725-731.	0.3	2
18	Electrostatic Ion-Acoustic Shock Waves in a Magnetized Degenerate Quantum Plasma. Plasma, 2021, 4, 426-434.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Modulational Instability of Ion-Acoustic Waves and Associated Envelope Solitons in a Multi-Component Plasma. <i>Gases</i> , 2021, 1, 148-155.	1.0	3
20	Dynamics of ionâ€acoustic rogue waves inâ€electronâ€positronâ€ion magnetoâ€plasmas. <i>Contributions To Plasma Physics</i> , 2021, 61, e202000161.	0.5	3
21	(3+1)-Dimensional cylindrical Korteweg-de Vries equation in a self-gravitating degenerate quantum plasma system. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	6
22	3-D Cylindrical Waves in a Self-Gravitating Degenerate Quantum Plasma. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 3791-3799.	0.6	6
23	Arbitrary Amplitude Heavy Nucleus-Acoustic Solitary Waves in Thermally Degenerate Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 4093-4102.	0.6	11
24	Dust-acoustic rogue waves in non-thermal plasmas. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	0.9	9
25	Solitary selfâ€gravitational potential in magnetized astrophysical degenerate quantum plasmas. <i>Contributions To Plasma Physics</i> , 2020, 60, e201900104.	0.5	5
26	Dust-acoustic Rogue Waves in Four-Component Plasmas. <i>Plasma Physics Reports</i> , 2020, 46, 90-96.	0.3	8
27	Three-Dimensional Self-Gravito-Acoustic Solitary Waves in a Degenerate Quantum Plasma System. <i>Plasma Physics Reports</i> , 2020, 46, 195-199.	0.3	5
28	Modulation Instability and Dust-Ion-Acoustic Rogue Waves in Electron-Positron-Ion-Dust Magnetized Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2020, 48, 2591-2600.	0.6	6
29	Dust-Acoustic Rogue Waves in Opposite Polarity Dusty Plasma Featuring Nonextensive Statistics. <i>High Temperature</i> , 2020, 58, 789-794.	0.1	4
30	Ion-Acoustic Rogue Waves in Multi-ion Plasmas*. <i>Communications in Theoretical Physics</i> , 2019, 71, 1017.	1.1	10
31	Dust-acoustic rogue waves in an electron depleted plasma. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	7
32	The (3+1)-dimensional dustâ€acoustic waves in multiâ€components magnetoâ€plasmas. <i>Contributions To Plasma Physics</i> , 2019, 59, e201900049.	0.5	9
33	Three-dimensional Nonlinear Structures in Magnetized Complex Plasmas. <i>Plasma Physics Reports</i> , 2019, 45, 1026-1034.	0.3	7
34	Obliquely propagating electron-acoustic solitary waves in magnetized plasmas: the role of trapped superthermal electrons. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	12
35	Modulational Instability, Ion-Acoustic Envelope Solitons, and Rogue Waves in Four-Component Plasmas. <i>Plasma Physics Reports</i> , 2019, 45, 459-465.	0.3	12
36	Dustâ€acoustic envelope solitons in superâ€thermal plasmas. <i>Contributions To Plasma Physics</i> , 2019, 59, e201900023.	0.5	11

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37	Modulated Dust-Acoustic Wave Packets in an Opposite Polarity Dusty Plasma System. <i>Communications in Theoretical Physics</i> , 2019, 71, 327.	1.1	16
38	Dust-ion-acoustic rogue waves in presence of non-extensive non-thermal electrons. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	19
39	Rogue waves in multi-ion pair plasma medium. <i>Contributions To Plasma Physics</i> , 2019, 59, e201800125.	0.5	12
40	Modulational instability and generation of envelope solitons in four-component space plasmas. <i>Contributions To Plasma Physics</i> , 2018, 58, 870-877.	0.5	16
41	Nucleus-acoustic envelope solitons and their modulational instability in a degenerate quantum plasma system. <i>Vacuum</i> , 2018, 147, 31-37.	1.6	31
42	Electrostatic rogue waves in double pair plasmas. <i>Chaos</i> , 2018, 28, 123107.	1.0	16
43	Modulational instability, rogue waves, and envelope solitons in opposite polarity dusty plasmas. <i>Chinese Journal of Physics</i> , 2018, 56, 2061-2068.	2.0	25
44	Generation of rogue waves in space dusty plasmas. <i>Physics of Plasmas</i> , 2018, 25, 102118.	0.7	13
45	Self-gravitating Envelope Solitons in a Degenerate Quantum Plasma System. <i>Advances in Astrophysics</i> , 2018, 3, .	0.3	3
46	Self-gravitating Envelope Solitons in Astrophysical Objects. <i>Theoretical Physics</i> , 2018, 3, .	0.1	3
47	Self-gravitational perturbation in super dense degenerate quantum plasmas. <i>Physics of Plasmas</i> , 2017, 24, 052102.	0.7	10
48	Rogue waves in space dusty plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	32
49	Heavy ion-acoustic rogue waves in electron-positron multi-ion plasmas. <i>Chaos</i> , 2017, 27, 093105.	1.0	39
50	Self-modulated dynamics of a relativistic charged particle beam in plasma wake field excitation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 829, 426-431.	0.7	4
51	Ring-type multisoliton dynamics in shallow water. <i>Physical Review E</i> , 2015, 91, 012921.	0.8	3
52	Vlasov's kinetic theory of the collective charged particle beam transport through a magnetized plasma in the strongly nonlocal regime. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	3
53	Ring localized structures in nonlinear shallow water wave dynamics. <i>Journal of Physics: Conference Series</i> , 2014, 482, 012030.	0.3	1
54	Transverse evolution of a long relativistic electron beam governed by the Vlasov-Poisson-type pair of equations within the plasma wake field dynamics in the local regime. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	4

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55	Self-modulation of a relativistic charged-particle beam as thermal matter wave envelope. Journal of Physics: Conference Series, 2014, 482, 012014.	0.3	5
56	Dust-Electron-Acoustic Solitary Waves and Double Layers in Dusty Nonthermal Plasmas. IEEE Transactions on Plasma Science, 2013, 41, 2438-2445.	0.6	9
57	Dust-acoustic solitary waves in a four-component adiabatic magnetized dusty plasma. Plasma Physics Reports, 2013, 39, 548-555.	0.3	11
58	Modulational instability analysis of the cylindrical nonlinear von Neumann equation. Journal of Plasma Physics, 2013, 79, 443-446.	0.7	3
59	The quantum plasma lens concept: A preliminary investigation. Journal of Plasma Physics, 2013, 79, 421-427.	0.7	4
60	Comment on "Nonplanar dust-ion acoustic Gardner solitons in a dusty plasma with q-nonextensive electron velocity distribution" [Phys. Plasmas 19, 033703 (2012)]. Physics of Plasmas, 2013, 20, 044703.	0.7	1
61	Nonplanar solitary waves and double layers in nonthermal electronegative plasma. Physica Scripta, 2012, 85, 065501.	1.2	19
62	Nonplanar ion-acoustic gardner solitons and double layers in electronegative plasma with nonthermal electrons. , 2012, , .		0
63	Cylindrical and spherical solitary waves in a dusty non-thermal plasma. Journal of Plasma Physics, 2012, 78, 629-634.	0.7	3
64	Planar electron-acoustic solitary waves and double layers in a two-electron-temperature plasma with nonthermal ions. Astrophysics and Space Science, 2012, 340, 109-115.	0.5	23
65	Cylindrical and spherical electron-acoustic Gardner solitons and double layers in a two-electron-temperature plasma with nonthermal ions. JETP Letters, 2012, 95, 282-288.	0.4	23
66	Electrostatic solitary structures in a four-component adiabatic dusty plasma. Astrophysics and Space Science, 2012, 337, 261-267.	0.5	20
67	Nonplanar dust-acoustic Gardner solitons in a four-component dusty plasma. Physical Review E, 2011, 84, 026408.	0.8	70
68	Nonplanar double layers in plasmas with opposite polarity dust. JETP Letters, 2011, 94, 356-361.	0.4	32
69	Solitary waves and double layers in complex plasma media. Waves in Random and Complex Media, 0, , 1-12.	1.6	10
70	Obliquely propagating ion-acoustic shock waves in a degenerate quantum plasma. Contributions To Plasma Physics, 0, , e202100073.	0.5	2