

# Abdul Mannan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4411398/publications.pdf>

Version: 2024-02-01

70  
papers

728  
citations

623188

14  
h-index

676716

22  
g-index

72  
all docs

72  
docs citations

72  
times ranked

231  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonplanar dust-acoustic Gardner solitons in a four-component dusty plasma. <i>Physical Review E</i> , 2011, 84, 026408.	0.8	70
2	Heavy ion-acoustic rogue waves in electron-positron multi-ion plasmas. <i>Chaos</i> , 2017, 27, 093105.	1.0	39
3	Nonplanar double layers in plasmas with opposite polarity dust. <i>JETP Letters</i> , 2011, 94, 356-361.	0.4	32
4	Rogue waves in space dusty plasmas. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	32
5	Nucleus-acoustic envelope solitons and their modulational instability in a degenerate quantum plasma system. <i>Vacuum</i> , 2018, 147, 31-37.	1.6	31
6	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
7	Planar electron-acoustic solitary waves and double layers in a two-electron-temperature plasma with nonthermal ions. <i>Astrophysics and Space Science</i> , 2012, 340, 109-115.	0.5	23
8	Cylindrical and spherical electron-acoustic Gardner solitons and double layers in a two-electron-temperature plasma with nonthermal ions. <i>JETP Letters</i> , 2012, 95, 282-288.	0.4	23
9	Electrostatic solitary structures in a four-component adiabatic dusty plasma. <i>Astrophysics and Space Science</i> , 2012, 337, 261-267.	0.5	20
10	Nonplanar solitary waves and double layers in nonthermal electronegative plasma. <i>Physica Scripta</i> , 2012, 85, 065501.	1.2	19
11	Dust-ion-acoustic rogue waves in presence of non-extensive non-thermal electrons. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	19
12	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
13	Electrostatic rogue waves in double pair plasmas. <i>Chaos</i> , 2018, 28, 123107.	1.0	16
14	Modulated Dust-Acoustic Wave Packets in an Opposite Polarity Dusty Plasma System. <i>Communications in Theoretical Physics</i> , 2019, 71, 327.	1.1	16
15	Generation of rogue waves in space dusty plasmas. <i>Physics of Plasmas</i> , 2018, 25, 102118.	0.7	13
16	First and second-order dust-ion-acoustic rogue waves in non-thermal plasma. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	13
17	Dust-Ion-Acoustic Rogue Waves in a Dusty Plasma Having Super-Thermal Electrons. <i>Gases</i> , 2021, 1, 106-116.	1.0	13
18	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

#	ARTICLE	IF	CITATIONS
19	Modulational Instability, Ion-Acoustic Envelope Solitons, and Rogue Waves in Four-Component Plasmas. Plasma Physics Reports, 2019, 45, 459-465.	0.3	12
20	Rogue waves in multi-ion pair plasma medium. Contributions To Plasma Physics, 2019, 59, e201800125.	0.5	12
21	Dust-acoustic solitary waves in a four-component adiabatic magnetized dusty plasma. Plasma Physics Reports, 2013, 39, 548-555.	0.3	11
22	Dust-acoustic envelope solitons in super-thermal plasmas. Contributions To Plasma Physics, 2019, 59, e201900023.	0.5	11
23	Arbitrary Amplitude Heavy Nucleus-Acoustic Solitary Waves in Thermally Degenerate Plasmas. IEEE Transactions on Plasma Science, 2020, 48, 4093-4102.	0.6	11
24	Self-gravitational perturbation in super dense degenerate quantum plasmas. Physics of Plasmas, 2017, 24, 052102.	0.7	10
25	Ion-Acoustic Rogue Waves in Multi-ion Plasmas*. Communications in Theoretical Physics, 2019, 71, 1017.	1.1	10
26	Solitary waves and double layers in complex plasma media. Waves in Random and Complex Media, 0, , 1-12.	1.6	10
27	Dust-Electron-Acoustic Solitary Waves and Double Layers in Dusty Nonthermal Plasmas. IEEE Transactions on Plasma Science, 2013, 41, 2438-2445.	0.6	9
28	The (3+1)-dimensional dust-acoustic waves in multi-components magneto-plasmas. Contributions To Plasma Physics, 2019, 59, e201900049.	0.5	9
29	Dust-acoustic rogue waves in non-thermal plasmas. Pramana - Journal of Physics, 2020, 94, 1.	0.9	9
30	Ion-acoustic shock waves in magnetized pair-ion plasma. European Physical Journal D, 2021, 75, 1.	0.6	9
31	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
32	Dust-acoustic Rogue Waves in Four-Component Plasmas. Plasma Physics Reports, 2020, 46, 90-96.	0.3	8
33	Electrostatic dust-acoustic envelope solitons in an electron-depleted plasma. Contributions To Plasma Physics, 2021, 61, e202000117.	0.5	8
34	Dust-Acoustic Rogue Waves in an Electron-Positron-Ion-Dust Plasma Medium. Galaxies, 2021, 9, 31.	1.1	8
35	Dust-acoustic rogue waves in an electron depleted plasma. European Physical Journal D, 2019, 73, 1.	0.6	7
36	Three-dimensional Nonlinear Structures in Magnetized Complex Plasmas. Plasma Physics Reports, 2019, 45, 1026-1034.	0.3	7

#	ARTICLE	IF	CITATIONS
37	Dust-acoustic envelope solitons and rogue waves in an electron depleted plasma. Indian Journal of Physics, 2021, 95, 2837-2846.	0.9	7
38	Electrostatic Dust-Acoustic Rogue Waves in an Electron Depleted Dusty Plasma. Plasma, 2021, 4, 230-238.	0.7	7
39	(3+1)-Dimensional cylindrical Korteweg-de Vries equation in a self-gravitating degenerate quantum plasma system. Physics of Plasmas, 2020, 27, .	0.7	6
40	3-D Cylindrical Waves in a Self-Gravitating Degenerate Quantum Plasma. IEEE Transactions on Plasma Science, 2020, 48, 3791-3799.	0.6	6
41	Modulation Instability and Dust-Ion-Acoustic Rogue Waves in Electron-Positron-Ion-Dust Magnetized Plasmas. IEEE Transactions on Plasma Science, 2020, 48, 2591-2600.	0.6	6
42	Ion-Acoustic Rogue Waves in Double Pair Plasma Having Non-Extensive Particles. Universe, 2021, 7, 63.	0.9	6
43	Self-modulation of a relativistic charged-particle beam as thermal matter wave envelope. Journal of Physics: Conference Series, 2014, 482, 012014.	0.3	5
44	Solitary self-gravitational potential in magnetized astrophysical degenerate quantum plasmas. Contributions To Plasma Physics, 2020, 60, e201900104.	0.5	5
45	Three-Dimensional Self-Gravito-Acoustic Solitary Waves in a Degenerate Quantum Plasma System. Plasma Physics Reports, 2020, 46, 195-199.	0.3	5
46	Dust-acoustic wave electrostatic and self-gravitational potentials in an opposite polarity dusty plasma system. AIP Advances, 2021, 11, .	0.6	5
47	Electrostatic Ion-Acoustic Shock Waves in a Magnetized Degenerate Quantum Plasma. Plasma, 2021, 4, 426-434.	0.7	5
48	Theory for nucleus-acoustic waves in warm degenerate quantum plasmas. Reviews of Modern Plasma Physics, 2022, 6, 1.	2.2	5
49	The quantum plasma lens concept: A preliminary investigation. Journal of Plasma Physics, 2013, 79, 421-427.	0.7	4
50	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. European Physical Journal D, 2014, 68, 1.	0.6	4
51	Self-modulated dynamics of a relativistic charged particle beam in plasma wake field excitation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 426-431.	0.7	4
52	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
53	Dust-Acoustic Rogue Waves in Opposite Polarity Dusty Plasma Featuring Nonextensive Statistics. High Temperature, 2020, 58, 789-794.	0.1	4
54	Cylindrical and spherical solitary waves in a dusty non-thermal plasma. Journal of Plasma Physics, 2012, 78, 629-634.	0.7	3

#	ARTICLE	IF	CITATIONS
55	Modulational instability analysis of the cylindrical nonlinear von Neumann equation. Journal of Plasma Physics, 2013, 79, 443-446.	0.7	3
56	Vlasov's kinetic theory of the collective charged particle beam transport through a magnetized plasma in the strongly nonlocal regime. European Physical Journal D, 2014, 68, 1.	0.6	3
57	Ring-type multisoliton dynamics in shallow water. Physical Review E, 2015, 91, 012921.	0.8	3
58	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
59	Modulational Instability of Ion-Acoustic Waves and Associated Envelope Solitons in a Multi-Component Plasma. Gases, 2021, 1, 148-155.	1.0	3
60	Self-gravitating Envelope Solitons in a Degenerate Quantum Plasma System. Advances in Astrophysics, 2018, 3, .	0.3	3
61	Self-gravitating Envelope Solitons in Astrophysical Objects. Theoretical Physics, 2018, 3, .	0.1	3
62	Dynamics of ion-acoustic rogue waves in an electron-positron-ion magneto-plasmas. Contributions To Plasma Physics, 2021, 61, e202000161.	0.5	3
63	Dust-Acoustic Envelope Solitons in an Electron-Depleted Plasma. Plasma Physics Reports, 2021, 47, 725-731.	0.3	2
64	Obliquely propagating ion-acoustic shock waves in a degenerate quantum plasma. Contributions To Plasma Physics, 0, , e202100073.	0.5	2
65	Modulational Instability of Ion-Acoustic Waves in Pair-Ion Plasma. Plasma, 2022, 5, 1-11.	0.7	2
66	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
67	Ring localized structures in nonlinear shallow water wave dynamics. Journal of Physics: Conference Series, 2014, 482, 012030.	0.3	1
68	Electrostatic Shock Structures in a Magnetized Plasma Having Non-Thermal Particles. Gases, 2022, 2, 22-32.	1.0	1
69	Nonplanar ion-acoustic gardner solitons and double layers in electronegative plasma with nonthermal electrons. , 2012, , .		0
70	Ion-acoustic rogue waves in a multi-component plasma medium. Chinese Journal of Physics, 2022, , .	2.0	0