

# G Murtaza

## List of Publications by Year in descending order

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citations

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28  
h-index

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45  
g-index

246  
all docs

246  
docs citations

246  
times ranked

999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Parallel propagating electromagnetic modes with the generalized (r,q) distribution function. Physics of Plasmas, 2004, 11, 3819-3829.	1.9	101
2	Dust-charge fluctuations with non-Maxwellian distribution functions. Physica Scripta, 2006, 73, 178-183.	2.5	98
3	Debye length in non-Maxwellian plasmas. Physica Scripta, 2006, 74, 145-148.	2.5	94
4	Nitridation of zirconium using energetic ions from plasma focus device. Thin Solid Films, 2008, 516, 8255-8263.	1.8	86
5	Effects of anode shape on plasma focus operation with argon. Plasma Sources Science and Technology, 1996, 5, 544-552.	3.1	80
6	Nonlinear generation of electromagnetic waves in a magnetoplasma. Journal of Plasma Physics, 1984, 31, 423-436.	2.1	74
7	Comparative study of ion, x-ray and neutron emission in a low energy plasma focus. Plasma Sources Science and Technology, 1998, 7, 206-218.	3.1	68
8	Imaging of fusion reaction zone in plasma focus. Physics of Plasmas, 1999, 6, 3188-3193.	1.9	68
9	Synthesis of nanocrystalline multiphase titanium oxycarbide (TiC <sub>x</sub> O <sub>y</sub> ) thin films by UNU/ICTP and NX2 plasma focus devices. Applied Physics A: Materials Science and Processing, 2008, 90, 669-677.	2.3	66
10	Jeans instability in a quantum dusty magnetoplasma. Physics of Plasmas, 2009, 16, .	1.9	62
11	Low-Energy Plasma Focus as a Tailored X-Ray Source. Journal of Fusion Energy, 2000, 19, 143-157.	1.2	61
12	Nitriding of titanium by using an ion beam delivered by a plasma focus. Journal Physics D: Applied Physics, 2007, 40, 769-777.	2.8	60
13	Some electrostatic modes based on non-Maxwellian distribution functions. Physics of Plasmas, 2004, 11, 2246-2255.	1.9	55
14	Weibel instability with non-Maxwellian distribution functions. Physics of Plasmas, 2007, 14, 022108.	1.9	53
15	Title is missing!. Plasma Sources Science and Technology, 2000, 9, 592-596.	3.1	52
16	Comparative study of low energy Mather-type plasma focus devices. Plasma Sources Science and Technology, 1995, 4, 117-124.	3.1	51
17	Jeans instability in a magneto-radiative dusty plasma. Journal of Plasma Physics, 2008, 74, 847-853.	2.1	51
18	The parametric decay of dust ion acoustic waves in non-uniform quantum dusty magnetoplasmas. Physics of Plasmas, 2011, 18, 063705.	1.9	45

#	ARTICLE	IF	CITATIONS
19	Parallel Proton Heating in Solar Wind Using Generalized (r, q) Distribution Function. Solar Physics, 2006, 236, 167-183.	2.5	44
20	Ion-acoustic solitary waves in ultra-relativistic degenerate pair-ion plasmas. Physics of Plasmas, 2011, 18, .	1.9	43
21	Quantum modification of dust shear Alfvén wave in plasmas. Physics of Plasmas, 2012, 19, .	1.9	40
22	ROLE OF ANODE LENGTH IN A MATHÉRY-TYPE PLASMA FOCUS. Modern Physics Letters B, 1992, 06, 593-597.	1.9	38
23	Surface modification of AlFe <sub>1.8</sub> Zn <sub>0.8</sub> alloy by using dense plasma focus. Vacuum, 2006, 81, 291-298.	3.5	38
24	Nonlinear structure of ion-acoustic waves in completely degenerate electron-positron and ion plasma. Physical Review E, 2010, 82, 016403.	2.1	38
25	New longitudinal waves in electron-positron-ion quantum plasmas. European Physical Journal D, 2011, 64, 447-452.	1.3	33
26	Effect of Temperature Anisotropy on Various Modes and Instabilities for a Magnetized Non-relativistic Bi-Maxwellian Plasma. Brazilian Journal of Physics, 2012, 42, 487-504.	1.4	33
27	Effect of insulator sleeve length on neutron emission in a plasma focus. Physics Letters, Section A: General, Atomic and Solid State Physics, 1989, 137, 39-43.	2.1	32
28	Dense plasma focus ion-based titanium nitride coating on titanium. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1911-1917.	1.4	32
29	Effect of ionic temperature on the modulational instability of ion acoustic waves in a collisionless plasma. Physics of Fluids, 1979, 22, 791.	1.4	29
30	Alfvénic modes in a bi-Maxwellian electron-ion plasma. Physics of Plasmas, 2010, 17, 102112.	1.9	29
31	Study of Lateral Spread of Ions Emitted from 2.3 kJ Plasma Focus with Hydrogen and Nitrogen Gases. Journal of Fusion Energy, 2002, 21, 217-220.	1.2	28
32	Langmuir probe characterization of nitrogen plasma for surface nitriding of AISI-4140 steel. Journal of Materials Processing Technology, 2008, 199, 363-368.	6.3	28
33	SOFT X-RAY EMISSION IN THE (1.0-1.5 KEV) WINDOW WITH NITROGEN FILLING IN A LOW ENERGY PLASMA FOCUS. Modern Physics Letters B, 2002, 16, 309-318.	1.9	27
34	Effect of dust charge fluctuations on energy loss of a test dust charged particulate in a dusty plasma. Physics of Plasmas, 1999, 6, 1409-1414.	1.9	26
35	Effect of insulator sleeve material on neutron emission from a plasma focus. Physica Scripta, 1992, 46, 152-154.	2.5	25
36	Correlation Study of Ion, Electron and X-ray Emission from Argon Focus Plasma. Physica Scripta, 1998, 57, 136-141.	2.5	25

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37	Fully nonlinear dust kinetic Alfvén waves. <i>Physics of Plasmas</i> , 2002, 9, 3794-3801.	1.9	25
38	Dust acoustic shock wave in electronegative dusty plasma: Roles of weak magnetic field. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	25
39	On the kinetic Alfvén waves in nonrelativistic spin quantum plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2131-2135.	2.1	25
40	R- and L-waves in electron-positron spin quantum plasmas. <i>Physica Scripta</i> , 2015, 90, 025605.	2.5	25
41	Characterization of Argon Plasma by Use of Optical Emission Spectroscopy and Langmuir Probe Measurements. <i>International Journal of Modern Physics B</i> , 2003, 17, 2749-2759.	2.0	24
42	Raman three-wave interaction in partially spin polarized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	24
43	Energy loss of charged projectiles in dusty plasmas. <i>Physics of Plasmas</i> , 1998, 5, 3581-3587.	1.9	23
44	Study of obliquely propagating dust acoustic solitary waves in magnetized tropical mesospheric plasmas with effect of dust charge variations and rotation of the plasma. <i>Physics of Plasmas</i> , 2006, 13, 062903.	1.9	23
45	A specific property of electromagnetic waves interacting with dust-laden plasma. <i>Physics of Plasmas</i> , 2006, 13, 072103.	1.9	23
46	Influence of insulator contamination by copper evaporation on neutron yield in a low-energy plasma focus. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 689-692.	2.1	22
47	Energy loss of a test charge in partially ionized dusty plasmas. <i>Physics of Plasmas</i> , 2000, 7, 762-765.	1.9	22
48	Effect of non-Maxwellian particle trapping and dust grain charging on dust acoustic solitary waves. <i>Physics of Plasmas</i> , 2006, 13, 112104.	1.9	22
49	SYNTHESIS OF ZIRCONIUM OXYNITRIDE (ZrON) NANOCOMPOSITE FILMS ON ZIRCONIUM SUBSTRATE BY DENSE PLASMA FOCUS DEVICE. <i>International Journal of Modern Physics B</i> , 2008, 22, 3941-3955.	2.0	22
50	Kinetic Alfvén waves in a homogeneous dusty magnetoplasma with dust charge fluctuation effects. <i>Physics of Plasmas</i> , 2007, 14, 032105.	1.9	21
51	On the damping of right hand circularly polarized waves in spin quantum plasmas. <i>Physics of Plasmas</i> , 2014, 21, 122118.	1.9	21
52	Non linear analysis of obliquely propagating spin electron acoustic wave in a partially spin polarized degenerate plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 44-48.	2.1	21
53	Modulational instability of ion acoustic waves in a magnetised plasma. <i>Plasma Physics</i> , 1982, 24, 451-456.	0.9	19
54	Effects of dust-charge fluctuations on the potential of an array of projectiles in a partially ionized dusty plasma. <i>Physics of Plasmas</i> , 2003, 10, 4207-4216.	1.9	19

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55	Weibel instability with semirelativistic Maxwellian distribution function. <i>Physics of Plasmas</i> , 2007, 14, 072106.	1.9	19
56	Correlation of plasma electron temperature with neutron emission in a low-energy plasma focus. <i>IEEE Transactions on Plasma Science</i> , 2001, 29, 62-68.	1.3	18
57	Exact nonlinear dust kinetic Alfvén waves in a dusty ion plasma. <i>New Journal of Physics</i> , 2003, 5, 116-116.	2.9	18
58	Nonlinear Landau damping of transverse electromagnetic waves in dusty plasmas. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	18
59	Stability analysis of self-gravitational electrostatic drift waves for a streaming nonuniform quantum dusty magnetoplasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	18
60	Debye shielding distortion of dust grains in dusty plasmas. <i>Physics of Plasmas</i> , 2002, 9, 3629-3632.	1.9	17
61	Nonlinear screening effect in an ultrarelativistic degenerate electron-positron gas. <i>Physics of Plasmas</i> , 2009, 16, 112307.	1.9	17
62	Spin effect on parametric decay of oblique Langmuir wave in degenerate magneto-plasmas. <i>Physics of Plasmas</i> , 2013, 20, 082124.	1.9	17
63	Beam driven temporal growth and spatial amplification of electrostatic waves in a partially spin polarized degenerate magnetized plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	17
64	A novel aspect of dust in plasma. <i>Physics of Plasmas</i> , 2006, 13, 022103.	1.9	16
65	Two types of lower-hybrid waves in dusty plasmas and cusp solitons. <i>Physics of Plasmas</i> , 2009, 16, 023702.	1.9	16
66	Modified screening potential in a high density inhomogeneous quantum dusty magnetoplasma. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	16
67	Spin effect on parametric interactions of waves in magnetoplasmas. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	16
68	Neutron and x-ray emission studies in a low energy plasma focus. <i>Physica Scripta</i> , 1996, 53, 360-363.	2.5	15
69	Plasma focus characteristics using stainless steel anode. <i>Physica Scripta</i> , 1997, 56, 649-654.	2.5	15
70	Electromagnetic dust-lower-hybrid and dust-magnetosonic waves and their instabilities in a dusty magnetoplasma. <i>Physics of Plasmas</i> , 2006, 13, 122102.	1.9	15
71	Perpendicularly propagating electromagnetic modes in a strongly magnetized hot plasma with non-Maxwellian distribution function. <i>Physics of Plasmas</i> , 2006, 13, 062109.	1.9	15
72	Electromagnetic effects on geodesic acoustic modes. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	15

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73	A transverse separate-spin-evolution streaming instability. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	15
74	Effect of insulator sleeve contamination on the low energy plasma focus performance. <i>Fusion Engineering and Design</i> , 1994, 23, 359-365.	1.9	14
75	Energy Loss of a Test Charge in Dusty Plasmas: Collective and Individual Particle Contributions. <i>Physica Scripta</i> , 1999, 59, 379-388.	2.5	14
76	High $\hat{I}^2$ relaxed states with internal conductor plasma configuration. <i>Physics of Plasmas</i> , 2001, 8, 1559-1564.	1.9	14
77	Stability of a charged interface between a magnetoradiative dusty plasma and vacuum. <i>Physics of Plasmas</i> , 2007, 14, 073703.	1.9	14
78	Modified Debye screening potential in a magnetized quantum plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 2577-2580.	2.1	14
79	High frequency electromagnetic modes in a weakly magnetized relativistic electron plasma. <i>Physics of Plasmas</i> , 2010, 17, 072105.	1.9	14
80	Study of high frequency parallel propagating modes in a weakly magnetized relativistic degenerate electron plasma. <i>Physics of Plasmas</i> , 2012, 19, 032103.	1.9	14
81	Inertial Alfvén waves in an inhomogeneous bi-Maxwellian plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2348-2360.	2.1	14
82	On the drift magnetosonic waves in anisotropic low beta plasmas. <i>Physics of Plasmas</i> , 2014, 21, 102112.	1.9	14
83	Drift kinetic Alfvén wave in temperature anisotropic plasma. <i>Physics of Plasmas</i> , 2014, 21, 032120.	1.9	14
84	Linear Analysis of Obliquely Propagating Longitudinal Waves in Partially Spin Polarized Degenerate Magnetized Plasma. <i>Communications in Theoretical Physics</i> , 2017, 68, 791.	2.5	14
85	Lower hybrid wave instability in a spin-polarized degenerate plasma. <i>Contributions To Plasma Physics</i> , 2019, 59, 284-291.	1.1	14
86	Generation of extraordinary mode radiation by an electrostatic pump. <i>Physics of Fluids</i> , 1985, 28, 830.	1.4	13
87	Heat transport formula in strongly inhomogeneous plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 141, 56-59.	2.1	13
88	Attractive wake field formation due to an array of dipolar projectiles in a multi-component dusty plasma. <i>Physics of Plasmas</i> , 2003, 10, 941-947.	1.9	13
89	Co-deposition of titanium and iron nitrides on SS-321 by using plasma focus. <i>Radiation Effects and Defects in Solids</i> , 2006, 161, 121-129.	1.2	13
90	Dust-lower-hybrid waves in quantum plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2291-2293.	2.1	13

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91	Generalized dispersion relation for electron Bernstein waves in a non-Maxwellian magnetized anisotropic plasma. <i>Physics of Plasmas</i> , 2010, 17, 102114.	1.9	13
92	Spin magnetoacoustic wave. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	13
93	Delocalized heat flux for low Z plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 144, 164-168.	2.1	12
94	Energy loss for the assemblies of charged projectiles in a dusty plasma. <i>Physics of Plasmas</i> , 2005, 12, 072104.	1.9	12
95	On the ordinary mode and whistler mode instabilities in the degenerate anisotropic plasmas. <i>Physics of Plasmas</i> , 2014, 21, 032128.	1.9	12
96	On the upper hybrid wave instability in a spin polarized degenerate plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	12
97	Influence of Cairns's Tsallis distribution on double layers in magnetoplasma. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	12
98	Effect of ionic temperature on the modulational instability of ion acoustic waves in the presence of a magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 86, 473-477.	2.1	11
99	A SIMPLE PRESSURIZED SPARKGAP FOR PLASMA FOCUS OPERATION. <i>Modern Physics Letters B</i> , 1993, 07, 835-840.	1.9	11
100	Anisotropic Energy Loss of a Pair of Charged Projectiles in a Dusty Plasma. <i>Physica Scripta</i> , 2001, 64, 346-350.	2.5	11
101	Nonlinear excitation of electron-acoustic waves. <i>Journal of Plasma Physics</i> , 1986, 36, 295-299.	2.1	10
102	Pressure range broadening for a plasma focus operation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 186, 335-338.	2.1	10
103	Nonlinear dynamics and anomalous energy transport in an electrostatic ion-temperature-gradient driven drift-dissipative mode. <i>Physics of Plasmas</i> , 1999, 6, 3571-3575.	1.9	10
104	Relativistic Bernstein waves in a degenerate plasma. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	10
105	Anomalous skin effects in relativistic parallel propagating weakly magnetized electron plasma waves. <i>Physics of Plasmas</i> , 2011, 18, 102115.	1.9	10
106	Whistler instability in a semi-relativistic bi-Maxwellian plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2378-2383.	2.1	10
107	Quadruple Beltrami fields in three component plasmas. <i>Physics of Plasmas</i> , 2017, 24, 062903.	1.9	10
108	Langmuir instability in partially spin polarized bounded degenerate plasma. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	10

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109	Ordinary Mode Instability in a Cairns Distributed Electron Plasma. Communications in Theoretical Physics, 2018, 69, 699.	2.5	10
110	Influence of magnetic probe presence on current sheath dynamics in plasma focus operation. Fusion Engineering and Design, 1997, 36, 437-446.	1.9	9
111	Energy Loss of a Test Charge in Collisional Dusty Plasmas. Physica Scripta, 2000, 61, 628-634.	2.5	9
112	Glow Discharge Plasma Nitriding of AISI 304 Stainless Steel. Plasma Science and Technology, 2007, 9, 463-468.	1.5	9
113	Perpendicular propagating modes for weakly magnetized relativistic degenerate plasma. Physics of Plasmas, 2012, 19, .	1.9	9
114	Relativistic Bernstein mode instability. Plasma Physics and Controlled Fusion, 2014, 56, 055009.	2.1	9
115	Obliquely propagating magnetosonic waves in a plasma modeled by bi-anisotropic Cairns distribution. Physics of Plasmas, 2018, 25, .	1.9	9
116	A transverse separate-spin-evolution streaming instability and new wave solutions in electron-positron ion plasmas. Astrophysics and Space Science, 2019, 364, 1.	1.4	9
117	Perturbed electromagnetic field and Poynting flux of kinetic Alfvén waves in kappa distributed space plasmas. European Physical Journal Plus, 2019, 134, 1.	2.6	9
118	Nonlinear magnetic electron drift waves in magnetized plasmas. Journal of Plasma Physics, 1989, 41, 257-262.	2.1	8
119	Formation of quadrupolar vortices in ion-temperature-gradient modes. Physics of Plasmas, 2003, 10, 2819-2823.	1.9	8
120	Propagation of Ordinary and Extraordinary Modes in Ultra-Relativistic Maxwellian Electron Plasma. Progress of Theoretical Physics, 2010, 124, 1083-1095.	2.0	8
121	Dispersion relation for pure dust Bernstein waves in a non-Maxwellian magnetized dusty plasma. Physics of Plasmas, 2011, 18, .	1.9	8
122	Nonlinear structure of ion-acoustic solitary waves in a relativistic degenerate electron-positron ion plasma. Journal of Plasma Physics, 2012, 78, 133-141.	2.1	8
123	On the perpendicular propagating modes in the ultra-relativistic weakly magnetized plasma. Physics of Plasmas, 2015, 22, .	1.9	8
124	Electron thermal conduction for steep temperature gradients. Plasma Physics and Controlled Fusion, 1991, 33, 215-220.	2.1	7
125	High Efficiency Neutron Detector for Low Neutron Flux Measurement. Journal of Fusion Energy, 2000, 19, 91-92.	1.2	7
126	Electromagnetic ion-temperature-gradient modes and anomalous transport in a nonuniform magnetized plasma with equilibrium flows. Physics of Plasmas, 2000, 7, 1125-1131.	1.9	7

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127	Improved temperature measurement in a plasma focus by means of a cobalt filter. Plasma Sources Science and Technology, 2001, 10, 295-301.	3.1	7
128	Correlation effects due to an axial propagation of projectiles in a dusty plasma. Physics of Plasmas, 2005, 12, 033502.	1.9	7
129	Electrostatic potentials and energy loss due to a projectile propagating through a non-Maxwellian dusty plasma. Physics of Plasmas, 2006, 13, 082108.	1.9	7
130	Collective modes of ultra-relativistic magnetoactive electron plasma. Physica Scripta, 2007, 76, 649-654.	2.5	7
131	Plasma characterization for nitridation of aluminium alloy using 50ÅHz ac discharge. Plasma Devices and Operations, 2008, 16, 247-266.	0.6	7
132	Whistler instability in non-Maxwellian plasmas. Physica Scripta, 2010, 81, 035501.	2.5	7
133	Kinetic instability of drift magnetosonic wave in anisotropic low beta plasmas. Physics of Plasmas, 2015, 22, 062117.	1.9	7
134	Anomalous skin effects in anisotropic kappa distributed plasmas. Physics of Plasmas, 2017, 24, .	1.9	7
135	Effect of kappa distribution on the damping rate of the obliquely propagating magnetosonic mode. Plasma Science and Technology, 2018, 20, 035302.	1.5	7
136	Effect of anisotropic Cairns distribution on drift magnetosonic wave. European Physical Journal Plus, 2019, 134, 1.	2.6	7
137	Shocklets in the comet Halley plasma. Physics of Plasmas, 2020, 27, .	1.9	7
138	Effect of electron inertia on the AlfvÅ©n-wave continuum. Physical Review A, 1984, 30, 1533-1534.	2.5	6
139	Decay of a whistler. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 104, 382-384.	2.1	6
140	Finite Larmor radius effects on AlfvÅ©n radiative thermal instability. Physics of Fluids B, 1989, 1, 702-704.	1.7	6
141	Electron-temperature-gradient-driven drift waves and anomalous electron energy transport. Journal of Plasma Physics, 1990, 44, 393-404.	2.1	6
142	Electromagnetic instability in nonuniform resistive electron magnetohydrodynamics. Physics of Plasmas, 1996, 3, 731-743.	1.9	6
143	On the two-stream instability with electron spin effects. Physics of Plasmas, 2019, 26, .	1.9	6
144	Modulational instability of ion acoustic waves in the presence of density gradients. Canadian Journal of Physics, 1979, 57, 642-644.	1.1	5

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145	Nonlinear destabilization of tearing modes. <i>Physics of Fluids</i> , 1985, 28, 427-430.	1.4	5
146	Radiative condensation instability in an inhomogeneous magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 1191-1198.	2.1	5
147	Linear and Nonlinear Magnetic Electron Drift Waves in a Nonuniform Strong Magnetic Field. <i>Contributions To Plasma Physics</i> , 1990, 30, 407-411.	1.1	5
148	Flow of an elasto-viscous fluid past an infinite wall with time-dependent suction. <i>Acta Mechanica</i> , 2002, 153, 133-145.	2.1	5
149	Possible colloid crystal formation in a magnetized and inhomogeneous semiconductor plasma. <i>Journal of Applied Physics</i> , 2007, 102, 053301.	2.5	5
150	Dust charge fluctuation instability in a dusty plasma with equilibrium density and magnetic field inhomogeneities. <i>Physics of Plasmas</i> , 2007, 14, 114502.	1.9	5
151	Wake potential in a nonuniform self-gravitating dusty magnetoplasma in the presence of ion streaming. <i>Physics of Plasmas</i> , 2007, 14, 104505.	1.9	5
152	Perpendicularly propagating electromagnetic modes in a strongly magnetized hot relativistic Maxwellian plasma. <i>Physica Scripta</i> , 2008, 77, 035503.	2.5	5
153	Effect of dust on drift magnetosonic wave in anisotropic low beta plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	5
154	Spatial propagation and damping of ordinary electromagnetic mode. <i>Physics of Plasmas</i> , 2018, 25, 082114.	1.9	5
155	Spatial damping of parallel propagating electromagnetic waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, 084501.	1.9	5
156	Separate spin evolution of electrostatic energy flow in a degenerate quantum plasma. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	5
157	Modulational instability of nonlinear wave propagation in relativistic plasmas. <i>Plasma Physics</i> , 1980, 22, 719-726.	0.9	4
158	Anomalous heat flux due to magnetic electron-drift vortex waves in a magnetized plasma. <i>Physical Review A</i> , 1989, 40, 5860-5864.	2.5	4
159	New electron temperature gradient drift wave instabilities and anomalous thermal transport in magnetized electron plasmas. <i>Physics of Fluids B</i> , 1989, 1, 1141-1143.	1.7	4
160	An improved nonlocal heat transport formula for steep temperature gradients. <i>Physica Scripta</i> , 1990, 41, 262-264.	2.5	4
161	Modified nonlocal heat-transport formula for steep temperature gradients. <i>Physical Review A</i> , 1990, 41, 4460-4462.	2.5	4
162	Sequential focusing in a mather-type plasma focus. <i>Physica Scripta</i> , 1993, 47, 814-816.	2.5	4

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163	Impurity effect on the toroidal ion temperature gradient driven drift mode in a multispecies plasma. <i>Physica Scripta</i> , 1993, 48, 359-362.	2.5	4
164	Formation of vortex chains in a nonuniform magnetized electron plasma. <i>Physics of Plasmas</i> , 1994, 1, 3505-3507.	1.9	4
165	Influence of non-monochromaticity on zonal-flow generation by magnetized Rossby waves in the ionospheric E-layer. <i>Journal of Plasma Physics</i> , 2009, 75, 345-357.	2.1	4
166	A comparison of parametric decay of oblique Langmuir wave in high and low density magneto-plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	4
167	On the Bernstein mode in a degenerate anisotropic quantum plasma. <i>Physics of Plasmas</i> , 2017, 24, 122114.	1.9	4
168	Kinetic instability of electrostatic ion cyclotron waves in inter-penetrating plasmas. <i>Physics of Plasmas</i> , 2018, 25, 052114.	1.9	4
169	Distinct features of Alfvén wave in non-extensive plasmas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 535, 122385.	2.6	4
170	Energy behavior of spin electron cyclotron wave in a spin polarized plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2903-2907.	2.1	4
171	Solar coronal heating by Alfvén waves in bi-kappa distributed plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2403-2412.	4.4	4
172	Alfvén waves in temperature anisotropic Cairns distributed plasma. <i>Communications in Theoretical Physics</i> , 2020, 72, 035502.	2.5	4
173	Three-dimensional solitons in ferromagnets. <i>Physical Review B</i> , 1979, 19, 5921-5924.	3.2	3
174	Nonlinear Generation of kinetic Alfvén waves. <i>Physica Scripta</i> , 1986, 34, 167-168.	2.5	3
175	Fusion conditions in a finite-thickness gas-puff staged $Z$ -pinch. <i>Journal of Plasma Physics</i> , 1994, 52, 365-371.	2.1	3
176	Self-modulation of plasma waves in equal mass plasmas. <i>Astrophysics and Space Science</i> , 1995, 234, 253-257.	1.4	3
177	Thermonuclear fusion with a spinning gas-puff staged pinch. <i>Plasma Physics and Controlled Fusion</i> , 1996, 38, 847-852.	2.1	3
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