

Ioannis Kourakis

List of Publications by Year in descending order

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189
papers

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193
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1757
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissipative Ion-Acoustic Solitary Waves in Magnetized $\hat{\mu}$ -Distributed Non-Maxwellian Plasmas. Physics, 2022, 4, 68-79.	1.4	0
2	Electrostatic wave breaking limit in a cold electronegative plasma with non-Maxwellian electrons. Scientific Reports, 2021, 11, 6174.	3.3	10
3	Ultrafast electron holes in plasma phase space dynamics. Scientific Reports, 2021, 11, 16358.	3.3	6
4	Surface waves on the inhomogeneous interface between radiative electron-ion plasma and vacuum. Journal of Plasma Physics, 2021, 87, .	2.1	1
5	Two-dimensional electrostatic solitary waves in magnetized ultradense relativistic quantum electronegative plasmas. European Physical Journal Plus, 2021, 136, 1.	2.6	2
6	On a semiclassical model for ion-acoustic solitons in ultrarelativistic pair plasmas and its classical counterpart. Physics of Plasmas, 2019, 26, .	1.9	1
7	Kinetic Alfvén solitary waves in a plasma with two-temperature superthermal electron populations: the case of Saturn's magnetosphere. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5504-5518.	4.4	13
8	On the effects of suprathermal populations in dusty plasmas: The case of dust-ion-acoustic waves. Planetary and Space Science, 2018, 156, 130-138.	1.7	17
9	Dissipative high-frequency envelope soliton modes in nonthermal plasmas. Physical Review E, 2018, 98, .	2.1	16
10	Coexistence of negative and positive polarity electrostatic solitary waves in ultradense relativistic negative-ion-beam permeated plasmas. Physics of Plasmas, 2018, 25, 052124.	1.9	7
11	Electrostatic shock structures in dissipative multi-ion dusty plasmas. Physics of Plasmas, 2018, 25, 062104.	1.9	6
12	On the characteristics of obliquely propagating electrostatic structures in non-Maxwellian plasmas in the presence of ion pressure anisotropy. Physics of Plasmas, 2017, 24, .	1.9	15
13	Ion-beam/plasma modes in ultradense relativistic quantum plasmas: Dispersion characteristics and beam-driven instability. Physics of Plasmas, 2017, 24, .	1.9	13
14	Ion-beam-plasma interaction effects on electrostatic solitary wave propagation in ultradense relativistic quantum plasmas. Physical Review E, 2017, 96, 043206.	2.1	11
15	New insight into the dispersion characteristics of electrostatic waves in ultradense plasmas: electron degeneracy and relativistic effects. Plasma Physics and Controlled Fusion, 2017, 59, 105013.	2.1	12
16	Comment on Weakly dissipative dust-ion acoustic wave modulation (J. Plasma) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (2.1	0
17	Ion-acoustic envelope modes in a degenerate relativistic electron-ion plasma. Physics of Plasmas, 2016, 23, .	1.9	39
18	Weakly nonlinear ion-acoustic excitations in a relativistic model for dense quantum plasma. Physical Review E, 2016, 93, 023206.	2.1	26

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19	Multispecies plasma expansion into vacuum: The role of secondary ions and suprathermal electrons. <i>Physical Review E</i> , 2016, 94, 053202.	2.1	17
20	Localized structures in complex plasmas in the presence of a magnetic field. <i>Astrophysics and Space Science</i> , 2016, 361, 1.	1.4	4
21	Overview of laser-driven generation of electron-positron beams. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	26
22	Electron-scale dissipative electrostatic solitons in multi-species plasmas. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	29
23	Nonlinear hydrodynamic Langmuir waves in fully degenerate relativistic plasma. <i>Plasma Physics and Controlled Fusion</i> , 2015, 57, 044006.	2.1	21
24	Amplitude modulation of quantum-ion-acoustic wavepackets in electron-positron-ion plasmas: Modulational instability, envelope modes, extreme waves. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	38
25	Relativistic breather-type solitary waves with linear polarization in cold plasmas. <i>Physical Review E</i> , 2015, 91, 033102.	2.1	17
26	Electrostatic Solitary Waves in Relativistic Degenerate Electron-Positron-Ion Plasma. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 974-984.	1.3	40
27	A Schamel equation for ion acoustic waves in superthermal plasmas. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	55
28	Modeling relativistic soliton interactions in overdense plasmas: A perturbed nonlinear Schrödinger equation framework. <i>Physical Review E</i> , 2014, 90, 063104.	2.1	10
29	Electron-acoustic solitons in an electron-beam plasma system with kappa-distributed electrons. , 2014, , .		0
30	Electron-acoustic solitons in an electron-beam plasma system with kappa-distributed electrons. , 2014, , .		1
31	Corrigendum on Semiclassical relativistic fluid theory for electrostatic envelope modes in dense electron-positron-ion plasmas: Modulational instability & rogue waves. <i>Journal of Plasma Physics</i> , 2014, 80, 653-653.	2.1	0
32	Dust-acoustic shocks in strongly coupled dusty plasmas. <i>Physical Review E</i> , 2014, 89, 043103.	2.1	18
33	Multicomponent kinetic simulation of Bernstein-Greene-Kruskal modes associated with ion acoustic and dust-ion acoustic excitations in electron-ion and dusty plasmas. <i>Physics of Plasmas</i> , 2014, 21, 043701.	1.9	6
34	Freak waves and electrostatic wavepacket modulation in a quantum electron-positron-ion plasma. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 035007.	2.1	44
35	Relativistic theory for localized electrostatic excitations in degenerate electron-ion plasmas. <i>Physical Review E</i> , 2014, 90, 033112.	2.1	22
36	Vlasov-kinetic computer simulations of electrostatic waves in dusty plasmas: an overview of recent results. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	5

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37	Pressure anisotropy effects on nonlinear electrostatic excitations in magnetized electron-positron-ion plasmas. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	41
38	Electromagnetic rogue waves in beam-plasma interactions. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 064003.	2.2	57
39	Dynamics of dark hollow Gaussian laser pulses in relativistic plasma. <i>Physical Review E</i> , 2013, 87, 063111.	2.1	29
40	Re-examining the Cairns-Tsallis model for ion acoustic solitons. <i>Physical Review E</i> , 2013, 88, 023103.	2.1	60
41	Ion-acoustic supersolitons in plasmas with two-temperature electrons: Boltzmann and kappa distributions. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	66
42	Semiclassical relativistic fluid theory for electrostatic envelope modes in dense electron-positron-ion plasmas: Modulational instability and rogue waves. <i>Journal of Plasma Physics</i> , 2013, 79, 1089-1094.	2.1	19
43	Dust-ion-acoustic supersolitons in dusty plasmas with nonthermal electrons. <i>Physical Review E</i> , 2013, 87, 043107.	2.1	85
44	Parametric study of non-relativistic electrostatic shocks and the structure of their transition layer. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	19
45	Electrostatic supersolitons in three-species plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	67
46	Interaction of spatially overlapping standing electromagnetic solitons in plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 473-477.	2.1	17
47	Nonlinear dynamics of multidimensional electrostatic excitations in nonthermal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2013, 55, 055005.	2.1	26
48	Dust-acoustic supersolitons in a three-species dusty plasma with kappa distributions. <i>Journal of Plasma Physics</i> , 2013, 79, 1039-1043.	2.1	43
49	On the existence and stability of electrostatic structures in non-Maxwellian electron-positron-ion plasmas. <i>Physics of Plasmas</i> , 2013, 20, 122311.	1.9	21
50	Time-Resolved Characterization of the Formation of a Collisionless Shock. <i>Physical Review Letters</i> , 2013, 110, 205001.	7.8	54
51	Temporal evolution of high mach number electrostatic shocks in laboratory plasma. , 2012, , .		0
52	Magnetic field suppression in collision-less shocks generated during the expansion of a dense plasma into a rarefied medium. <i>EAS Publications Series</i> , 2012, 58, 33-36.	0.3	0
53	Dynamics of Self-Generated, Large Amplitude Magnetic Fields Following High-Intensity Laser Matter Interaction. <i>Physical Review Letters</i> , 2012, 109, 205002.	7.8	70
54	Nonlinear dust-acoustic solitary waves in strongly coupled dusty plasmas. <i>Physical Review E</i> , 2012, 86, 066404.	2.1	34

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55	Electron-scale electrostatic solitary waves and shocks: the role of superthermal electrons. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	43
56	Dynamical characteristics of solitary waves, shocks and envelope modes in kappa-distributed non-thermal plasmas: an overview. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124001.	2.1	100
57	Oblique propagation of arbitrary amplitude electron acoustic solitary waves in magnetized kappa-distributed plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 105016.	2.1	54
58	Electrostatic shock dynamics in superthermal plasmas. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	79
59	Particle simulation study of electron heating by counter-streaming ion beams ahead of supernova remnant shocks. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085015.	2.1	11
60	PIC simulation of a thermal anisotropy-driven Weibel instability in a circular rarefaction wave. <i>New Journal of Physics</i> , 2012, 14, 023007.	2.9	6
61	Superluminal electromagnetic solitary waves in electron-positron plasmas. <i>Europhysics Letters</i> , 2012, 100, 15002.	2.0	6
62	Nonlinear electrostatic excitations of charged dust in degenerate ultra-dense quantum dusty plasmas. <i>Physics of Plasmas</i> , 2012, 19, 062107.	1.9	24
63	Note on the single-shock solutions of the Korteweg-de Vries-Burgers equation. <i>Astrophysics and Space Science</i> , 2012, 338, 245-249.	1.4	42
64	Large acoustic solitons and double layers in plasmas with two positive ion species. <i>Physics of Plasmas</i> , 2011, 18, 042309.	1.9	30
65	Electron-acoustic solitary waves in the presence of a suprathermal electron component. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	89
66	Electrostatic solitary waves in the presence of excess superthermal electrons: modulational instability and envelope soliton modes. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 045003.	2.1	113
67	Electrostatic waves in superthermal dusty plasmas: review of recent advancement. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	6
68	Two-dimensional particle-in-cell simulation of the expansion of a plasma into a rarefied medium. <i>New Journal of Physics</i> , 2011, 13, 073023.	2.9	25
69	Observation of plasma density dependence of electromagnetic soliton excitation by an intense laser pulse. <i>Physics of Plasmas</i> , 2011, 18, 080704.	1.9	18
70	Fully kinetic simulation of dust-ion acoustic waves: Landau damping and dust concentration effect. , 2011, , .		0
71	Generation of a Purely Electrostatic Collisionless Shock during the Expansion of a Dense Plasma through a Rarefied Medium. <i>Physical Review Letters</i> , 2011, 107, 025003.	7.8	35
72	Strong electrostatic interaction effect on modulational stability of dust acoustic waves. , 2011, , .		0

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73	Electron beamâ€™ plasma interaction in a dusty plasma with excess suprathermal electrons. AIP Conference Proceedings, 2011, , .	0.4	5
74	Modulational Instability Of Dust Electron Acoustic Waves In Superthermal Dusty Plasmas. AIP Conference Proceedings, 2011, , .	0.4	0
75	Large-amplitude electron-acoustic solitons in a dusty plasma with kappa-distributed electrons. AIP Conference Proceedings, 2011, , .	0.4	2
76	Fully kinetic simulation of ion acoustic and dust-ion acoustic waves. Physics of Plasmas, 2011, 18, .	1.9	19
77	Electromagnetic pulse compression and energy localization in quantum plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4336-4342.	2.1	12
78	Electron beamâ€™ plasma interaction and ion-acoustic solitary waves in plasmas with a superthermal electron component. Plasma Physics and Controlled Fusion, 2010, 52, 075009.	2.1	48
79	Progress in proton radiography for diagnosis of ICF-relevant plasmas. Laser and Particle Beams, 2010, 28, 277-284.	1.0	25
80	Spatial evolution of a q -Gaussian laser beam in relativistic plasma. Laser and Particle Beams, 2010, 28, 479-489.	1.0	44
81	Simulation of a collisionless planar electrostatic shock in a protonâ€™ electron plasma with a strong initial thermal pressure change. Plasma Physics and Controlled Fusion, 2010, 52, 025001.	2.1	20
82	Nonlinear modulation of ion-acoustic waves in two-electron-temperature plasmas. Journal of Plasma Physics, 2010, 76, 169-181.	2.1	12
83	Low-frequency electrostatic defect mode in doped pair-ion plasmas. Journal of Plasma Physics, 2010, 76, 607-616.	2.1	3
84	Observation and characterization of laser-driven phase space electron holes. Physics of Plasmas, 2010, 17, 010701.	1.9	43
85	NON-GAUSSIAN STATISTICS OF OIL PRICING TIME-SERIES: A CASE STUDY. Fractals, 2010, 18, 101-110.	3.7	4
86	Shock creation and particle acceleration driven by plasma expansion into a rarefied medium. Physics of Plasmas, 2010, 17, 082305.	1.9	35
87	Design of a Glass Stair. , 2010, , .		0
88	Existence and stability of multisite breathers in honeycomb and hexagonal lattices. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 235101.	2.1	8
89	Dust ion acoustic solitons in a plasma with kappa-distributed electrons. Physics of Plasmas, 2010, 17, .	1.9	210
90	The Performance of a Steel Connection in Fire: Analytical and Numerical Studies. , 2010, , .		0

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91	Oblique electrostatic excitations in a magnetized plasma in the presence of excess superthermal electrons. <i>Physics of Plasmas</i> , 2010, 17, 032310.	1.9	167
92	Relativistic laser pulse compression in plasmas with a linear axial density gradient. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 065002.	2.1	44
93	Spatiotemporal evolution of high-power relativistic laser pulses in electron-positron-ion plasmas. <i>Physical Review E</i> , 2010, 82, 016402.	2.1	28
94	10.1063/1.3469762.1., 2010, , .		0
95	Nonlinear Dynamics of Rotating Multi-Component Pair Plasmas and e-p-i Plasmas. <i>Plasma and Fusion Research</i> , 2009, 4, 018-018.	0.7	68
96	One-dimensional particle simulation of the filamentation instability: Electrostatic field driven by the magnetic pressure gradient force. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	16
97	Discrete breathers in hexagonal dusty plasma lattices. <i>Physical Review E</i> , 2009, 80, 026402.	2.1	9
98	Modulated transverse off-plane dust-lattice wave packets in hexagonal two-dimensional dusty plasma crystals. <i>Physics of Plasmas</i> , 2009, 16, 053706.	1.9	11
99	Solitary and blow-up electrostatic excitations in rotating magnetized electron-positron-ion plasmas. <i>New Journal of Physics</i> , 2009, 11, 033028.	2.9	38
100	Laser pulse compression and amplification via Raman backscattering in plasma. <i>Laser and Particle Beams</i> , 2009, 27, 579-585.	1.0	6
101	Electromagnetic beam profile dynamics in collisional plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 465501.	2.1	28
102	Detailed analytical investigation of magnetic field line random walk in turbulent plasmas: II. Isotropic turbulence. <i>Journal of Plasma Physics</i> , 2009, 75, 183-192.	2.1	3
103	Electromagnetic envelope solitons in magnetized plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3667-3677.	2.1	39
104	Comment on "Mathematical and physical aspects of Kappa velocity distribution" [<i>Phys. Plasmas</i> 14, 110702 (2007)]. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	329
105	Arbitrary amplitude ion-acoustic solitary excitations in the presence of excess superthermal electrons. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	176
106	Higher-order effects and ultrashort solitons in left-handed metamaterials. <i>Physical Review E</i> , 2009, 79, 037601.	2.1	70
107	Acoustic solitary waves in dusty and/or multi-ion plasmas with cold, adiabatic, and hot constituents. <i>Physics of Plasmas</i> , 2008, 15, 112309.	1.9	56
108	Low frequency localized wavepackets in dusty plasmas with opposite charge polarity dust components. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 074003.	2.1	28

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109	Ion-acoustic waves in a plasma consisting of adiabatic warm ions, nonisothermal electrons, and a weakly relativistic electron beam: Linear and higher-order nonlinear effects. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	35
110	Ion-acoustic solitary waves in multi-ion dusty plasmas. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
111	Evolution of linearly polarized electromagnetic pulses in laser plasmas. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	11
112	Propagation regimes for an electromagnetic beam in magnetized plasma. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	22
113	Localized excitations in dusty plasma crystals: A survey of theoretical results. , 2008, , .		0
114	On the existence of rarefactive longitudinal solitons in dusty plasma lattices. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	2
115	Modulated Dust-Acoustic Wavepackets in a Kappa-Distributed Nonthermal Plasma Background. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	3
116	Nonlinear modelling of a rotating multi-component dusty plasma. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
117	Parametric study of nonlinear electrostatic waves in two-dimensional quantum dusty plasmas. <i>New Journal of Physics</i> , 2008, 10, 023007.	2.9	23
118	Localized excitations in dusty plasma crystals: on the interface among plasma physics and nonlinear lattice theories. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0
119	On the existence of rarefactive solitons in dusty plasma lattices. , 2008, , .		0
120	Discrete solitons and vortices in hexagonal and honeycomb lattices: Existence, stability, and dynamics. <i>Physical Review E</i> , 2008, 78, 066610.	2.1	18
121	Dust-acoustic wave modulation in the presence of superthermal ions. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	118
122	Large amplitude ion acoustic solitary waves in a plasma consisting of warm ions, two-temperature electrons and a cold electron beam. , 2008, , .		0
123	Detailed analytical investigation of magnetic field line random walk in turbulent plasmas: I. Two-component slab/two-dimensional turbulence. <i>Journal of Plasma Physics</i> , 2008, 74, 657-677.	2.1	1
124	NONLINEAR WAVEPACKETS IN PAIR-ION AND ELECTRON-POSITRON-ION PLASMAS. , 2008, , .		0
125	A Van der Polâ€™Mathieu equation for the dynamics of dust grain charge in dusty plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, F473-F481.	2.1	27
126	Generalized compound transport of charged particles in turbulent magnetized plasmas. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 11191-11201.	2.1	8

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127	Finite amplitude envelope solitons in a pair-ion plasma. <i>Physics of Plasmas</i> , 2007, 14, 032107.	1.9	27
128	Existence of multisite intrinsic localized modes in one-dimensional Debye crystals. <i>Physical Review E</i> , 2007, 76, 016402.	2.1	11
129	Nonlinear excitations in Debye bi-crystals. <i>Physics of Plasmas</i> , 2007, 14, 103709.	1.9	3
130	The 90° problem of scattering theory revisited: dynamical turbulence versus nonlinear effects. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2595-2610.	3.6	2
131	Nonlinear excitations in electron-positron-ion plasmas in accretion disks of active galactic nuclei. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	67
132	Random walk of magnetic field-lines for different values of the energy range spectral index. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	47
133	Analytical description of stochastic field-line wandering in magnetic turbulence. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	63
134	Self-focusing and envelope pulse generation in nonlinear magnetic metamaterials. <i>Physical Review E</i> , 2007, 75, 067601.	2.1	44
135	Nonlinear perpendicular propagation of ordinary mode electromagnetic wave packets in pair plasmas and electron-positron-ion plasmas. <i>Physics of Plasmas</i> , 2007, 14, 022306.	1.9	83
136	Fully nonlinear ion-sound waves in a dense Fermi magnetoplasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 366, 606-610.	2.1	53
137	A new theory for perpendicular transport of cosmic rays. <i>Astronomy and Astrophysics</i> , 2007, 470, 405-409.	5.1	98
138	NONLINEAR EXCITATIONS IN STRONGLY-COUPLED PLASMA LATTICES: ENVELOPE SOLITONS, KINKS AND INTRINSIC LOCALIZED MODES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006, 16, 1711-1725.	1.7	13
139	Nonlinear propagation of modulated ion-acoustic plasma waves in the presence of an electron beam. <i>Physics of Plasmas</i> , 2006, 13, 042305.	1.9	10
140	Instability and dynamics of two nonlinearly coupled laser beams in a plasma. <i>Physics of Plasmas</i> , 2006, 13, 053104.	1.9	18
141	Electrostatic mode envelope excitations in "i plasmas" application in warm pair ion plasmas with a small fraction of stationary ions. <i>Journal of Physics A</i> , 2006, 39, 13817-13830.	1.6	67
142	Parametric instabilities and localization of nonlinearly coupled electromagnetic modes in astrophysical dusty plasmas. <i>Journal of Plasma Physics</i> , 2006, 72, 397.	2.1	3
143	Stability of dust lattice modes in the presence of charged dust grain polarization in plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 351, 101-104.	2.1	19
144	Dust lattice wave dispersion relations in two-dimensional hexagonal crystals including the effect of dust charge polarization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 355, 122-128.	2.1	21

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145	Modulational instability in asymmetric coupled wave functions. <i>European Physical Journal B</i> , 2006, 50, 321-325.	1.5	11
146	Statistical-mechanical description of classical test-particle dynamics in the presence of an external force field: modelling noise and damping from first principles. <i>European Physical Journal B</i> , 2006, 50, 345-349.	1.5	1
147	Magnetization of left-handed metamaterials. <i>Physica Scripta</i> , 2006, 74, 422-424.	2.5	13
148	Modulated electrostatic modes in pair plasmas: Modulational stability profile and envelope excitations. <i>Physics of Plasmas</i> , 2006, 13, 052117.	1.9	100
149	Nonlinear modulated dust lattice wave packets in two-dimensional hexagonal dust crystals. <i>Physics of Plasmas</i> , 2006, 13, 122304.	1.9	23
150	Modulational instability of dust acoustic waves in dusty plasmas: Modulation obliqueness, background ion nonthermalities, and dust charging effects. <i>Physics of Plasmas</i> , 2006, 13, 062302.	1.9	50
151	Oblique modulation of electrostatic modes and envelope excitations in pair-ion and electron-positron plasmas. <i>Physics of Plasmas</i> , 2006, 13, 122310.	1.9	39
152	Instability and Evolution of Nonlinearly Interacting Water Waves. <i>Physical Review Letters</i> , 2006, 97, 094501.	7.8	144
153	Modulational instability and localized excitations involving two nonlinearly coupled upper-hybrid waves in plasmas. <i>New Journal of Physics</i> , 2005, 7, 153-153.	2.9	15
154	Modulational instability criteria for two-component Bose-Einstein condensates. <i>European Physical Journal B</i> , 2005, 46, 381-384.	1.5	31
155	Nonlinear compressional electromagnetic ion-cyclotron wavepackets in space plasmas. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 441-450.	1.3	9
156	Localized excitations of charged dust grains in dusty plasma lattices. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
157	Dynamics of a dust crystal with positive and negative dust. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
158	New generalized dispersion relation for low-frequency electromagnetic waves in Hall-magnetohydrodynamic dusty plasmas. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
159	Linear and nonlinear dynamics of a dust bicrystal consisting of positive and negative dust particles. <i>Physics of Plasmas</i> , 2005, 12, 112104.	1.9	4
160	Discrete breather modes associated with vertical dust grain oscillations in dusty plasma crystals. <i>Physics of Plasmas</i> , 2005, 12, 014502.	1.9	20
161	Comment on "Dynamics in a Multicomponent Plasma near the Low-Frequency Cutoff": <i>Physical Review Letters</i> , 2005, 94, 119501; discussion 119502.	7.8	2
162	Modulated whistler wave packets associated with density perturbations. <i>Physics of Plasmas</i> , 2005, 12, 012902.	1.9	13

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163	Dynamics of nonlinearly coupled magnetic-field-aligned electromagnetic electron-cyclotron waves near the zero-group-dispersion point in magnetized plasmas. <i>Physics of Plasmas</i> , 2005, 12, 082303.	1.9	7
164	Nonlinear propagation of electromagnetic waves in negative-refraction-index composite materials. <i>Physical Review E</i> , 2005, 72, 016626.	2.1	103
165	Modulated dust-acoustic wave packets in a plasma with non-isothermal electrons and ions. <i>Journal of Plasma Physics</i> , 2005, 71, 185-201.	2.1	38
166	Nonlinearly coupled whistlers and dust-acoustic perturbations in dusty plasmas. <i>Physics of Plasmas</i> , 2005, 12, 124502.	1.9	4
167	Low-frequency electromagnetic waves in a Hall-magnetohydrodynamic plasma with charged dust macroparticles. <i>Physics of Plasmas</i> , 2005, 12, 024501.	1.9	13
168	Envelope solitons associated with electromagnetic waves in a magnetized pair plasma. <i>Physics of Plasmas</i> , 2005, 12, 012319.	1.9	47
169	Exact theory for localized envelope modulated electrostatic wavepackets in space and dusty plasmas. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 407-423.	1.3	121
170	Oblique Amplitude Modulation of Dust-Acoustic Plasma Waves. <i>Physica Scripta</i> , 2004, 69, 316-327.	2.5	35
171	Nonlinear Lagrangian theory of envelope electrostatic plasma waves in a two-electron-temperature plasma. <i>Physics of Plasmas</i> , 2004, 11, 4506-4514.	1.9	11
172	Modulated Wave Packets and Envelope Solitary Structures in Complex Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 573-581.	1.3	13
173	Nonlinear Modulated Envelope Electrostatic Wavepacket Propagation in Space and Laboratory Plasmas. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	1
174	Finite ion temperature effects on oblique modulational stability and envelope excitations of dust-ion acoustic waves. <i>European Physical Journal D</i> , 2004, 28, 109-117.	1.3	27
175	Nonlinear theory of solitary waves associated with longitudinal particle motion in lattices. <i>European Physical Journal D</i> , 2004, 29, 247-263.	1.3	33
176	Lagrangian description of nonlinear dust-ion acoustic waves in dusty plasmas. <i>European Physical Journal D</i> , 2004, 30, 97-103.	1.3	32
177	Electron-acoustic plasma waves: Oblique modulation and envelope solitons. <i>Physical Review E</i> , 2004, 69, 036411.	2.1	80
178	Weakly nonlinear vertical dust grain oscillations in dusty plasma crystals in the presence of a magnetic field. <i>Physics of Plasmas</i> , 2004, 11, 3665-3671.	1.9	13
179	Linear and nonlinear properties of Rao-dust-Alfvén waves in magnetized plasmas. <i>Physics of Plasmas</i> , 2004, 11, 958-969.	1.9	6
180	Nonlinear modulation of transverse dust lattice waves in complex plasma crystals. <i>Physics of Plasmas</i> , 2004, 11, 2322-2325.	1.9	19

#	ARTICLE	IF	CITATIONS
181	Modulated wavepackets associated with longitudinal dust grain oscillations in a dusty plasma crystal. <i>Physics of Plasmas</i> , 2004, 11, 1384-1393.	1.9	26
182	Complete Nonlinear Theory of Longitudinal-to-Transverse Dust Lattice Mode Coupling in a Single-Layer Dusty Plasma Crystal. <i>Physica Scripta</i> , 2004, , 97.	2.5	0
183	Weakly Nonlinear Effects Associated with Transverse Oscillations in Dusty Plasma Crystals. <i>Physica Scripta</i> , 2004, T107, 243.	2.5	3
184	Study of the intergrain interaction potential and associated instability of dust-lattice plasma oscillations in the presence of ion flow. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 317, 156-164.	2.1	17
185	Plasma diffusion and relaxation in a magnetic field. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2003, 8, 547-551.	3.3	4
186	Ion-acoustic waves in a two-electron-temperature plasma: oblique modulation and envelope excitations. <i>Journal of Physics A</i> , 2003, 36, 11901-11913.	1.6	64
187	Modulational instability and localized excitations of dust-ion acoustic waves. <i>Physics of Plasmas</i> , 2003, 10, 3459-3470.	1.9	72
188	Kinetic Theory for a Test-Particle in Magnetized Plasma. <i>Physica Scripta</i> , 2000, T84, 215.	2.5	0
189	Fokker-Planck equation for a test particle weakly coupled to a magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, 587-594.	2.1	9