

Sergey V Vladimirov

List of Publications by Year in descending order

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240
papers

6,648
citations

66343

42
h-index

76900

74
g-index

242
all docs

242
docs citations

242
times ranked

1452
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion-acoustic solitons in electron-positron-ion plasmas. <i>Physics of Plasmas</i> , 1995, 2, 716-719.	1.9	451
2	Attraction of charged particulates in plasmas with finite flows. <i>Physical Review E</i> , 1995, 52, R2172-R2174.	2.1	313
3	Dynamic self-organization phenomena in complex ionized gas systems: new paradigms and technological aspects. <i>Physics Reports</i> , 2004, 393, 175-380.	25.6	310
4	Theory of dust voids in plasmas. <i>Physical Review E</i> , 1999, 59, 7055-7067.	2.1	270
5	Attractive forces between charged particulates in plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 203, 40-42.	2.1	227
6	Wake potential of a dust grain in a plasma with ion flow. <i>Physics of Plasmas</i> , 1997, 4, 69-74.	1.9	197
7	Propagation of waves in dusty plasmas with variable charges on dust particles. <i>Physics of Plasmas</i> , 1994, 1, 2762-2767.	1.9	150
8	On plasma crystal formation. <i>Physics of Plasmas</i> , 1996, 3, 444-446.	1.9	137
9	Vibrational modes in the dust-plasma crystal. <i>Physical Review E</i> , 1997, 56, R74-R76.	2.1	120
10	Diffusion and dynamics of macro-particles in a complex plasma. <i>Physics of Plasmas</i> , 2002, 9, 835-840.	1.9	100
11	Theory of collision-dominated dust voids in plasmas. <i>Physical Review E</i> , 2001, 63, 056609.	2.1	97
12	Ion-acoustic waves in a complex plasma with negative ions. <i>Physical Review E</i> , 2003, 67, 036406.	2.1	89
13	Recent advances in the theory of nonlinear surface waves. <i>Physics Reports</i> , 1994, 241, 1-63.	25.6	83
14	Ion-acoustic waves in a dust-contaminated plasma. <i>Physical Review E</i> , 1999, 60, 3257-3261.	2.1	82
15	On description of a collisionless quantum plasma. <i>Physics-Uspexhi</i> , 2011, 54, 1243-1256.	2.2	81
16	Two-Dimensional Simulation of Nanoassembly Precursor Species in Ar+H ₂ +C ₂ H ₂ Reactive Plasmas. <i>Plasma Processes and Polymers</i> , 2007, 4, 27-40.	3.0	75
17	Low-frequency dispersion properties of plasmas with variable-charge impurities. <i>Physics of Plasmas</i> , 2000, 7, 461-465.	1.9	71
18	Plasma kinetics around a dust grain in an ion flow. <i>Physical Review E</i> , 2000, 63, 017401.	2.1	69

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19	Fast and slow magnetosonic waves in two-dimensional spin-1/2 quantum plasma. Physics of Plasmas, 2010, 17, .	1.9	69
20	Modulational Interactions in Plasmas. Astrophysics and Space Science Library, 1995, , .	2.7	68
21	Equilibrium and levitation of dust in a collisional plasma with ionization. Physical Review E, 2000, 62, 2754-2762.	2.1	67
22	Self-excited vertical oscillations in an rf-discharge dusty plasma. Physical Review E, 2001, 64, 025402.	2.1	63
23	On the realization of the current-driven dust ion-acoustic instability. Physics of Plasmas, 1999, 6, 737-740.	1.9	62
24	Low-pressure diffusion equilibrium of electronegative complex plasmas. Physical Review E, 2003, 67, 056408.	2.1	62
25	Kinetics of plasma flowing around two stationary dust grains. Physical Review E, 2003, 67, 016407.	2.1	59
26	Evolution of Langmuir waves in a plasma contaminated by variable-charge impurities. Physical Review E, 1998, 58, 8046-8048.	2.1	58
27	Dust-acoustic wave instabilities in collisional plasmas. Physical Review E, 2000, 61, 4315-4321.	2.1	58
28	Criteria of Phase Transitions in a Complex Plasma. Physical Review Letters, 2002, 88, 245002.	7.8	58
29	Charge of a macroscopic particle in a plasma sheath. Physical Review E, 2003, 67, 066404.	2.1	55
30	Arbitrary magnetosonic solitary waves in spin 1/2 degenerate quantum plasma. European Physical Journal D, 2011, 64, 419-426.	1.3	53
31	Dust particle alignments and confinement in a radio frequency sheath. Physics of Plasmas, 2005, 12, 022103.	1.9	51
32	Molecular dynamics simulation of plasma flow around two stationary dust grains. Physics of Plasmas, 2003, 10, 3867-3873.	1.9	49
33	The Alfvén resonance in a magnetized dusty plasma. Physica Scripta, 1996, 53, 586-590.	2.5	46
34	Scattering of electromagnetic waves in dusty plasmas with variable charges on dust particles. Physical Review E, 1994, 50, 1422-1426.	2.1	45
35	Equilibrium and oscillations of grains in the dust-plasma crystal. Physical Review E, 1999, 60, 7369-7373.	2.1	45
36	Growth kinetics of carbon nanowall-like structures in low-temperature plasmas. Physics of Plasmas, 2007, 14, 063502.	1.9	45

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37	Amplification of electromagnetic waves in dusty nonstationary plasmas. <i>Physical Review E</i> , 1994, 49, R997-R999.	2.1	44
38	Low-frequency modes in the dust-plasma crystal. <i>Physics of Plasmas</i> , 1998, 5, 4-6.	1.9	44
39	Surface waves in a magnetized plasma with mobile dust grains. <i>Physics of Plasmas</i> , 1998, 5, 3126-3134.	1.9	43
40	Dust-plasma sheath: A new dissipative self-organized structure. <i>Physics of Plasmas</i> , 1999, 6, 2972-2975.	1.9	43
41	The dynamics of formation of monolayer dust structures in a confining electric field. <i>Physica Scripta</i> , 2009, 79, 035501.	2.5	42
42	Nonlinear plasma-maser effect. <i>Physics Reports</i> , 1992, 218, 141-214.	25.6	40
43	Theory of modulational interactions in plasmas in the presence of an external magnetic field. <i>Physics Reports</i> , 1995, 259, 327-404.	25.6	40
44	Dust in the magnetized sheath. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	40
45	Alfvén surface waves in a magnetized dusty plasma. <i>Physics of Plasmas</i> , 1996, 3, 4740-4747.	1.9	38
46	Thermophoretic control of building units in the plasma-assisted deposition of nanostructured carbon films. <i>Journal of Applied Physics</i> , 2004, 96, 4421-4428.	2.5	38
47	Stability of particle arrangements in a complex plasma. <i>Physical Review E</i> , 2002, 65, 046416.	2.1	37
48	Stability of dust voids. <i>Physics of Plasmas</i> , 2005, 12, 052117.	1.9	37
49	Structural properties of 3D complex plasmas: experiments versus simulations. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 124028.	2.1	36
50	Stimulated scattering of electromagnetic waves in collisional dusty plasmas. <i>Physics of Plasmas</i> , 1995, 2, 3179-3183.	1.9	35
51	Effect of a dipole moment on the wake potential of a dust grain in a flowing plasma. <i>Physical Review E</i> , 2000, 61, 7246-7248.	2.1	35
52	Features of dusty structures in the upper Earth's atmosphere. <i>JETP Letters</i> , 2005, 82, 632-637.	1.4	35
53	On the physics of the plasma maser. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 178, 400-406.	2.1	34
54	Nonlinear dynamics of an ordinary electromagnetic mode in a pair plasma. <i>Physical Review E</i> , 1999, 59, 4552-4558.	2.1	33

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55	Theory of dust and dust-void structures in the presence of the ion diffusion. <i>Physical Review E</i> , 2004, 70, 066408.	2.1	32
56	Plasma sheath in the presence of an oblique magnetic field. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 055003.	2.1	32
57	Nonlinear ion-acoustic waves in a collisional plasma. <i>Physical Review E</i> , 1993, 48, 2136-2139.	2.1	31
58	Phase state and transport of non-Yukawa interacting macroparticles (complex plasma). <i>Physics of Plasmas</i> , 2004, 11, 3234-3237.	1.9	31
59	Nonlinear Alfvén waves in magnetized plasmas with heavy impurities or dust. <i>Physical Review E</i> , 1996, 54, 6762-6768.	2.1	30
60	Dissipative drift waves in partially ionized plasmas containing high-impurities or dust. <i>Physical Review E</i> , 1998, 58, 2415-2423.	2.1	30
61	Wake-induced symmetry-breaking of dust particle arrangements in a complex plasma. <i>JETP Letters</i> , 2005, 82, 758-762.	1.4	30
62	From plasma crystals and helical structures towards inorganic living matter. <i>New Journal of Physics</i> , 2007, 9, 263-263.	2.9	30
63	Superfluidlike Motion of an Absorbing Body in a Collisional Plasma. <i>Physical Review Letters</i> , 2008, 100, 055002.	7.8	29
64	Shielding and charging of dust particles in the plasma sheath. <i>Physical Review E</i> , 1999, 60, 4708-4714.	2.1	28
65	Charging of insulating and conducting dust grains by flowing plasma and photoemission. <i>New Journal of Physics</i> , 2009, 11, 043005.	2.9	28
66	Hamiltonian dynamics of dust-plasma interactions. <i>Physical Review E</i> , 1998, 57, 3392-3398.	2.1	24
67	Bending modes in the hexagonal dust-plasma crystal. <i>Physics of Plasmas</i> , 2006, 13, 030703.	1.9	24
68	Modulational instability of Langmuir wave packets. <i>Physics of Plasmas</i> , 1994, 1, 2176-2188.	1.9	23
69	Reciprocal interparticle attraction in complex plasmas with cold ion flows. <i>New Journal of Physics</i> , 2008, 10, 063018.	2.9	23
70	Wake behind dust grains in flowing plasmas with a directed photon flux. <i>Physical Review E</i> , 2008, 77, 065401.	2.1	22
71	Surface wave solitons in an electronic medium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 174, 313-316.	2.1	21
72	Parametric instabilities of Alfvén waves in a dusty plasma. <i>Physics of Plasmas</i> , 2003, 10, 3160-3167.	1.9	21

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73	On the reliability of the Bhatnagar-Gross-Krook collision model in weakly ionized plasmas. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	21
74	Mutual interactions of magnetized particles in complex plasmas. <i>New Journal of Physics</i> , 2003, 5, 18-18.	2.9	20
75	On the role of dust in the cometary plasma. <i>JETP Letters</i> , 2007, 85, 478-482.	1.4	20
76	Alfvén Waves in Dusty Interstellar Clouds. <i>Publications of the Astronomical Society of Australia</i> , 1997, 14, 170-178.	3.4	19
77	Dust clusters with non-Hamiltonian particle dynamics. <i>Physics of Plasmas</i> , 2006, 13, 072104.	1.9	19
78	Numerical simulations of potential distribution for elongated insulating dust being charged by drifting plasmas. <i>Physical Review E</i> , 2008, 78, 036411.	2.1	19
79	Interaction of two elongated dust grains in flowing plasmas studied by numerical simulations. <i>Physics of Plasmas</i> , 2009, 16, 023703.	1.9	19
80	The Alfvén resonance in a dusty plasma with a distribution of grain sizes. <i>Physics of Plasmas</i> , 2002, 9, 4845-4850.	1.9	18
81	Dust Particle Alignments in a Plasma Sheath. <i>Contributions To Plasma Physics</i> , 2009, 49, 260-280.	1.1	18
82	Modeling of Cassini's charging at Saturn orbit insertion flyby. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	18
83	Interaction of a rodlike charged macroparticle with a flowing plasma. <i>Physical Review E</i> , 2001, 64, 026403.	2.1	17
84	Calculation of the grain charge fluctuations in a dusty plasma. <i>Plasma Physics Reports</i> , 2002, 28, 946-952.	0.9	17
85	Parametric Instability in Dark Molecular Clouds. <i>Astrophysical Journal</i> , 2007, 664, 942-949.	4.5	17
86	A new mechanism for pulsar gamma-ray emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 312, 51-56.	4.4	16
87	Oscillations in a chain of rod-shaped colloidal particles in a plasma. <i>Physical Review E</i> , 2001, 64, 035402.	2.1	16
88	Quasilinear diffusion as a result of modulational instability in the pulsar plasma. <i>Physical Review E</i> , 2002, 65, 036408.	2.1	16
89	Growth of carbon nanocone arrays on a metal catalyst: The effect of carbon flux ionization. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	16
90	Parametric instabilities in magnetized multicomponent plasmas. <i>Physical Review E</i> , 2004, 69, 056402.	2.1	15

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91	Dynamics of two particles in a plasma sheath. <i>Physical Review E</i> , 2008, 78, 036402.	2.1	15
92	Shielding of a moving test charge in a quantum plasma. <i>Physical Review E</i> , 2010, 82, 026410.	2.1	15
93	Coupled bright and dark solitons in a plasma slab. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991, 153, 144-146.	2.1	14
94	Low-frequency surface waves in a structured magnetized dusty plasma. <i>Journal of Geophysical Research</i> , 1999, 104, 593-596.	3.3	14
95	Spinning of Spherical Grains in Dusty Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 659-662.	1.3	14
96	Modulational and decay instabilities of Alfvén waves in a multicomponent plasma. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14
97	Dust-induced instability in a rotating plasma. <i>Physics of Plasmas</i> , 2008, 15, .	1.9	14
98	On kinetic description of electromagnetic processes in a quantum plasma. <i>Physics of Plasmas</i> , 2011, 18, 112104.	1.9	14
99	Instability of ion kinetic waves in a weakly ionized plasma. <i>Physical Review E</i> , 2012, 85, 026412.	2.1	14
100	Boundary effects on the nonlinear interactions of surface waves. <i>Physics of Fluids B</i> , 1993, 5, 2887-2891.	1.7	13
101	Coupled Langmuir and nonlinear ion-acoustic waves in collisional plasmas. <i>Physical Review E</i> , 1994, 49, 1569-1574.	2.1	13
102	Alfvén wave forces, affecting the tokamak edge plasma in the presence of impurities or dust. <i>Physics of Plasmas</i> , 1997, 4, 3436-3438.	1.9	13
103	Comment on "Dependence of the Dust-Particle Charge on Its Size in a Glow-Discharge Plasma", <i>Physical Review Letters</i> , 2002, 89, 229501; author reply 229502.	7.8	13
104	Vibrations of a pair microparticles suspended in a plasma sheath. <i>New Journal of Physics</i> , 2006, 8, 201-201.	2.9	13
105	Peculiarities of surface plasmons in quantum plasmas. <i>Journal of Plasma Physics</i> , 2013, 79, 387-390.	2.1	13
106	Excitation of ion sound by Langmuir waves interacting with an electron beam in magnetized plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1990, 143, 329-331.	2.1	12
107	Nonlinear Coupling between Fast and Slow Dust-Acoustic Waves. <i>Journal of the Physical Society of Japan</i> , 1995, 64, 2278-2281.	1.6	12
108	Agglomerations of Magnetized Dust Particles in Complex Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 675-679.	1.3	12

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109	Theory of dust self-organized convection in cylindrical discharges. II. Dust convective structures. <i>Physics of Plasmas</i> , 2006, 13, 032306.	1.9	12
110	The plasma drag and dust motion inside the magnetized sheath. <i>Physics of Plasmas</i> , 2011, 18, 053703.	1.9	12
111	Surface plasmon polaritons in a semi-bounded degenerate plasma: Role of spatial dispersion and collisions. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	12
112	Spectrophotometric determination of nizatidine in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1995, 13, 933-936.	2.8	11
113	Vibrations in Vertical Strings of Dust Grains. <i>Physica Scripta</i> , 1998, 58, 80-82.	2.5	11
114	Instabilities of Alfvén and magnetosonic waves in dusty cometary plasmas with an ion ring beam. <i>Physics of Plasmas</i> , 1999, 6, 36-43.	1.9	11
115	Title is missing!. <i>Plasmas and Polymers</i> , 2003, 8, 135-152.	1.5	11
116	Nonlinear electromagnetic fields in 0.5 MHz inductively coupled plasmas. <i>Physics of Plasmas</i> , 2003, 10, 1146-1151.	1.9	11
117	Rotational modes of oscillation of rodlike dust grains in a plasma. <i>Physical Review E</i> , 2003, 68, 026402.	2.1	11
118	Theory of dust self-organized convection in cylindrical discharges. I. The model and stationary nonlinear dust structures. <i>Physics of Plasmas</i> , 2006, 13, 032305.	1.9	11
119	Effect of electrostatic plasma oscillations on the kinetic energy of a charged macroparticle. <i>Physics of Plasmas</i> , 2006, 13, 012111.	1.9	11
120	Shear instability in magnetized, collisional dusty plasmas. <i>Physics of Plasmas</i> , 2012, 19, 063702.	1.9	11
121	Electromagnetic wave band structure due to surface plasmon resonances in a complex plasma. <i>Physical Review E</i> , 2016, 94, 013202.	2.1	11
122	Elementary Processes in Complex Plasmas. <i>Lecture Notes in Physics</i> , 2008, , 67-140.	0.7	11
123	Solitary ionizing surface waves on low-temperature plasmas. <i>IEEE Transactions on Plasma Science</i> , 1993, 21, 250-253.	1.3	10
124	Particle acceleration by a fast ordinary mode in an electron-positron plasma. <i>Physics of Plasmas</i> , 2000, 7, 1280-1286.	1.9	10
125	Oscillatory modes of magnetized grains in a plasma. <i>Physics of Plasmas</i> , 2003, 10, 2659-2662.	1.9	10
126	Parametric instability in a collisional dusty plasma. <i>Physics of Plasmas</i> , 2007, 14, 052105.	1.9	10

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127	Nonlinear waves in collisional dusty plasma. <i>Physics of Plasmas</i> , 2008, 15, 053705.	1.9	10
128	Charge on the dust in the plasma. <i>Physical Review E</i> , 2011, 83, 016401.	2.1	10
129	The stability of the mesospheric plasma layer. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	10
130	Guided modes in a spatially dispersive wire medium slab. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1753.	2.1	10
131	Theory of nonlinear interaction of particles and waves in an inverse plasma maser. Part 1. Collision integral. <i>Journal of Plasma Physics</i> , 1991, 46, 209-218.	2.1	9
132	Cooperative behavior of colloidal particles in a complex plasma. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 315, 222-227.	2.6	9
133	Angular distribution of carbon ion flux in a nanotube array during the plasma process by the Monte Carlo technique. <i>Physics of Plasmas</i> , 2007, 14, 113504.	1.9	9
134	Plasma and potential distributions of moving objects in classical and quantum plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 074005.	2.1	9
135	Modulational interactions in quantum plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	9
136	Modulational processes and limits of weak turbulence theory. <i>Physical Review E</i> , 1995, 51, 2390-2400.	2.1	8
137	Criticality in a Vlasov-Poisson system: A fermionlike universality class. <i>Physical Review E</i> , 2005, 71, 056406.	2.1	8
138	Size of dust voids as a function of the power input in dusty plasma. <i>Journal of Experimental and Theoretical Physics</i> , 2006, 102, 334-341.	0.9	8
139	Magnetorotational instability in the Hall regime in a hot-electron plasma. <i>Physics of Plasmas</i> , 2007, 14, 112108.	1.9	8
140	Charging of spinning insulating objects by plasma and photoemission. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	8
141	Bound states near a moving charge in a quantum plasma. <i>Europhysics Letters</i> , 2011, 94, 35001.	2.0	8
142	On the Evolution of Resonant Waves in Closed Plasma Systems. <i>Contributions To Plasma Physics</i> , 1993, 33, 1-5.	1.1	7
143	Plasma-maser instability in dusty plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 180, 441-443.	2.1	7
144	Modulational instability of Langmuir waves in dense plasmas. <i>Physics of Fluids B</i> , 1993, 5, 4109-4114.	1.7	7

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145	Plasma-maser effect and evolution of resonant waves in turbulent plasmas. <i>Physica Scripta</i> , 1993, 47, 239-243.	2.5	7
146	Nonlinear interaction of surface plasmons in electron slabs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 184, 459-463.	2.1	7
147	Energy and momentum conservation in closed plasma systems with resonant and nonresonant wave turbulence. <i>Physics of Plasmas</i> , 1995, 2, 1140-1147.	1.9	7
148	Spontaneous emission effects in nonlinear interactions of nonresonant waves with resonant plasma fluctuations. <i>Physics of Plasmas</i> , 1996, 3, 673-681.	1.9	7
149	Buneman-type Streaming Instability in a Plasma with Dust Particulates. <i>Physica Scripta</i> , 1999, 60, 370-372.	2.5	7
150	Compressional Alfvén cross-field surface waves in inhomogeneous dusty plasmas. <i>Physics of Plasmas</i> , 1999, 6, 2676-2680.	1.9	7
151	Particle flows in dusty plasmas of the tokamak edge. <i>Physics of Plasmas</i> , 2004, 11, 4138-4141.	1.9	7
152	Non-extensive self-organized dusty structures in a plasma. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B95-B102.	2.1	7
153	Contributions to the theory of magnetorotational instability and waves in a rotating plasma. <i>Journal of Experimental and Theoretical Physics</i> , 2008, 106, 154-165.	0.9	7
154	Instability of the ionization-absorption balance in a complex plasma at ion time scales. <i>Physical Review E</i> , 2009, 80, 016403.	2.1	7
155	The dust motion inside the magnetized sheath – The effect of drag forces. <i>Physics of Plasmas</i> , 2010, 17, 083701.	1.9	7
156	Dispersion and damping of potential surface waves in a degenerate plasma. <i>Physics of Plasmas</i> , 2012, 19, 032102.	1.9	7
157	Zakharov equations in quantum dusty plasmas. <i>Physics of Plasmas</i> , 2015, 22, 083708.	1.9	7
158	High-Frequency Electrostatic Surface Oscillations in a Dust-Contaminated Plasma. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 848-851.	1.6	7
159	On modulational interaction of lower-hybrid waves. <i>Physica Scripta</i> , 1992, 46, 65-71.	2.5	6
160	On modulational instability of two coupled waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 171, 360-366.	2.1	6
161	Nonlinear surface waves on a plasma sphere in an external electric field. <i>Physical Review E</i> , 1993, 48, 4859-4861.	2.1	6
162	Theory of modulational interaction of two coupled waves. Part 2. Instability of pump Langmuir waves. <i>Journal of Plasma Physics</i> , 1993, 49, 207-218.	2.1	6

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163	Attenuation of the surface wave fields into a degenerate plasma: another Kohn anomaly. <i>Physica Scripta</i> , 1994, 49, 625-626.	2.5	6
164	Wave stochasticity and nonlinear plasmaâ€“maser effect. <i>Physica Scripta</i> , 1994, 50, 561-565.	2.5	6
165	Physical aspects of the plasma-maser interaction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 184, 454-458.	2.1	6
166	Growth rates for modulational instabilities of radio waves in highly collisional ionospheric plasmas. <i>Journal of Geophysical Research</i> , 1994, 99, 4023.	3.3	6
167	Oscillation modes in Coulomb clusters with variable charges. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 1501-1507.	2.1	6
168	Quantum-tunneling-enhanced charging of nanoparticles in plasmas. <i>Physical Review E</i> , 2011, 83, 046406.	2.1	6
169	The stability of weakly ionized collisional dusty plasma in the presence of flow. <i>Physics of Plasmas</i> , 2012, 19, 093701.	1.9	6
170	High-frequency electromagnetic surface waves in a semi-bounded weakly ionized plasma. <i>Physics of Plasmas</i> , 2013, 20, 022116.	1.9	6
171	Theory of nonlinear interaction of particles and waves in an inverse plasma maser. Part 2. Stationary solution and evolution of initial distributions. <i>Journal of Plasma Physics</i> , 1991, 46, 219-229.	2.1	5
172	Theory of modulational interaction of two coupled waves. Part 1. General formulae for a nonlinear medium. <i>Journal of Plasma Physics</i> , 1993, 49, 197-205.	2.1	5
173	On electric forces in a time-dependent medium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 219, 233-237.	2.1	5
174	Energy and number of quanta of nonresonant waves in nonstationary closed systems. <i>Physica Scripta</i> , 1996, 53, 484-489.	2.5	5
175	Quasilinear Evolution of Weakly Turbulent Plasmas. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3881-3884.	1.6	5
176	Vibrational modes in plasma crystals due to nonlinear temperature distribution in gas discharge plasmas. <i>Physical Review E</i> , 2002, 66, 065401.	2.1	5
177	Ion response in a weakly ionized plasma with ion flow. <i>Physics of Plasmas</i> , 2013, 20, 042108.	1.9	5
178	Complex wakes behind objects in multispecies plasmas. <i>Europhysics Letters</i> , 2013, 101, 15001.	2.0	5
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