

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	The nonlinear dust potential and collision frequencies in dusty plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	4
2	Electromagnetic wave band structure due to surface plasmon resonances in a complex plasma. <i>Physical Review E</i> , 2016, 94, 013202.	2.1	11
3	Zakharov equations in quantum dusty plasmas. <i>Physics of Plasmas</i> , 2015, 22, 083708.	1.9	7
4	Modulational and filamentational instabilities of a monochromatic Langmuir pump wave in quantum plasmas. <i>Physics of Plasmas</i> , 2015, 22, 052115.	1.9	2
5	A new type of surface waves in a fully degenerate quantum plasma. <i>Physics of Plasmas</i> , 2014, 21, 122114.	1.9	4
6	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
7	The acoustic instabilities in magnetized collisional dusty plasmas. <i>Physics of Plasmas</i> , 2014, 21, 093703.	1.9	3
8	Modulational interactions in quantum plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	1.9	9
9	Ion response in a weakly ionized plasma with ion flow. <i>Physics of Plasmas</i> , 2013, 20, 042108.	1.9	5
10	High-frequency electromagnetic surface waves in a semi-bounded weakly ionized plasma. <i>Physics of Plasmas</i> , 2013, 20, 022116.	1.9	6
11	Complex wakes behind objects in multispecies plasmas. <i>Europhysics Letters</i> , 2013, 101, 15001.	2.0	5
12	Peculiarities of surface plasmons in quantum plasmas. <i>Journal of Plasma Physics</i> , 2013, 79, 387-390.	2.1	13
13	Surface waves in the magnetized, collisional dusty plasmas. <i>Physics of Plasmas</i> , 2013, 20, 103703.	1.9	1
14	Nonlinear magnetosonic waves in spin 1/2 quantum plasma. , 2012, , .		2
15	Kinetic description of quantum plasma dielectric response. , 2012, , .		1
16	Instability of ion kinetic waves in a weakly ionized plasma. <i>Physical Review E</i> , 2012, 85, 026412.	2.1	14
17	The stability of weakly ionized collisional dusty plasma in the presence of flow. <i>Physics of Plasmas</i> , 2012, 19, 093701.	1.9	6
18	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

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19	Spacecraft charging in flowing plasmas; numerical simulations. Journal of Physics: Conference Series, 2012, 370, 012004.	0.4	4
20	Dispersion and damping of potential surface waves in a degenerate plasma. Physics of Plasmas, 2012, 19, 032102.	1.9	7
21	Shear instability in magnetized, collisional dusty plasmas. Physics of Plasmas, 2012, 19, 063702.	1.9	11
22	Modeling of Cassini's charging at Saturn orbit insertion flyby. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	18
23	Higher Landau modes and dust shielding in field-driven ion flows. , 2011, , .		0
24	The plasma drag and dust motion inside the magnetized sheath. Physics of Plasmas, 2011, 18, 053703.	1.9	12
25	Charge on the dust in the plasma. Physical Review E, 2011, 83, 016401.	2.1	10
26	Quantum-tunneling-enhanced charging of nanoparticles in plasmas. Physical Review E, 2011, 83, 046406.	2.1	6
27	The stability of the mesospheric plasma layer. Physics of Plasmas, 2011, 18, .	1.9	10
28	Plasma and potential distributions of moving objects in classical and quantum plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 074005.	2.1	9
29	Arbitrary magnetosonic solitary waves in spin 1/2 degenerate quantum plasma. European Physical Journal D, 2011, 64, 419-426.	1.3	53
30	On description of a collisionless quantum plasma. Physics-Uspexhi, 2011, 54, 1243-1256.	2.2	81
31	A simple formula for the wall potential in the plasma sheath. Europhysics Letters, 2011, 94, 55002.	2.0	3
32	On kinetic description of electromagnetic processes in a quantum plasma. Physics of Plasmas, 2011, 18, 112104.	1.9	14
33	Bound states near a moving charge in a quantum plasma. Europhysics Letters, 2011, 94, 35001.	2.0	8
34	Grain Charging and Shielding in Collisional Plasmas. , 2011, , .		1
35	Cassini's Charging and Ion Wake Formation in Saturn's Magnetosphere. , 2011, , .		0
36	Shielding of absorbing objects in collisionless flowing plasma. Physics of Plasmas, 2010, 17, 103701.	1.9	3

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37	The dust motion inside the magnetized sheath—The effect of drag forces. <i>Physics of Plasmas</i> , 2010, 17, 083701.	1.9	7
38	Dust Clouds and Porous Objects Being Charged by Flowing Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2010, 38, 2340-2344.	1.3	1
39	Fast and slow magnetosonic waves in two-dimensional spin-1/2 quantum plasma. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	69
40	Shielding of a moving test charge in a quantum plasma. <i>Physical Review E</i> , 2010, 82, 026410.	2.1	15
41	Charge fluctuations and Hall effect in dusty plasmas. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	2
42	Dust in near-wall magnetized plasma. , 2009, , .		0
43	Current driven instability in collisional dusty plasmas. <i>Physics of Plasmas</i> , 2009, 16, 113708.	1.9	2
44	The dynamics of formation of monolayer dust structures in a confining electric field. <i>Physica Scripta</i> , 2009, 79, 035501.	2.5	42
45	Dust Particle Alignments in a Plasma Sheath. <i>Contributions To Plasma Physics</i> , 2009, 49, 260-280.	1.1	18
46	Structural properties of 3D complex plasmas: experiments versus simulations. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 124028.	2.1	36
47	Charging of spinning insulating objects by plasma and photoemission. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	8
48	On the reliability of the Bhatnagar—Gross—Krook collision model in weakly ionized plasmas. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	21
49	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
50	Interaction of two elongated dust grains in flowing plasmas studied by numerical simulations. <i>Physics of Plasmas</i> , 2009, 16, 023703.	1.9	19
51	Charge and Potential Distributions for Particles Approaching Substrates With Regular Structures. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 1670-1674.	1.3	2
52	Charging of insulating and conducting dust grains by flowing plasma and photoemission. <i>New Journal of Physics</i> , 2009, 11, 043005.	2.9	28
53	Types of Experimental Complex Plasmas. <i>Series in Plasma Physics</i> , 2009, , 1-98.	0.2	2
54	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

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55	Contributions to the theory of magnetorotational instability and waves in a rotating plasma. Journal of Experimental and Theoretical Physics, 2008, 106, 154-165.	0.9	7
56	Superfluidlike Motion of an Absorbing Body in a Collisional Plasma. Physical Review Letters, 2008, 100, 055002.	7.8	29
57	Plasma sheath in the presence of an oblique magnetic field. Plasma Physics and Controlled Fusion, 2008, 50, 055003.	2.1	32
58	Numerical simulations of potential distribution for elongated insulating dust being charged by drifting plasmas. Physical Review E, 2008, 78, 036411.	2.1	19
59	Dynamics of two particles in a plasma sheath. Physical Review E, 2008, 78, 036402.	2.1	15
60	Reciprocal interparticle attraction in complex plasmas with cold ion flows. New Journal of Physics, 2008, 10, 063018.	2.9	23
61	Wake behind dust grains in flowing plasmas with a directed photon flux. Physical Review E, 2008, 77, 065401.	2.1	22
62	Mono-layer Plasma Crystals and Clusters. Lecture Notes in Physics, 2008, , 289-331.	0.7	0
63	Anisotropy of thermal stresses in confined dusty plasmas. Plasma Sources Science and Technology, 2008, 17, 015006.	3.1	1
64	Mode-spectral analysis of 2D Coulomb clusters with fluctuating charges. Europhysics Letters, 2008, 84, 55001.	2.0	2
65	Nonlinear waves in collisional dusty plasma. Physics of Plasmas, 2008, 15, 053705.	1.9	10
66	Dust-induced instability in a rotating plasma. Physics of Plasmas, 2008, 15, .	1.9	14
67	Crystallization in a mesoscopic system of charged dust particles: Molecular dynamics simulations. , 2008, , .		0
68	Growth of carbon nanocone arrays on a metal catalyst: The effect of carbon flux ionization. Physics of Plasmas, 2008, 15, .	1.9	16
69	Elementary Processes in Complex Plasmas. Lecture Notes in Physics, 2008, , 67-140.	0.7	11
70	Collective Effects in Complex Plasmas. Lecture Notes in Physics, 2008, , 141-195.	0.7	0
71	Experiments on Plasma Crystals and Long-range Correlations. Lecture Notes in Physics, 2008, , 247-287.	0.7	0
72	Effect of upâ€“down and leftâ€“right asymmetry of dust and/or heavy impurity distribution on plasma dynamics in the tokamak edge. Physica Scripta, 2007, 76, 314-319.	2.5	1

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73	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
74	Magnetorotational instability in the Hall regime in a hot-electron plasma. <i>Physics of Plasmas</i> , 2007, 14, 112108.	1.9	8
75	Growth kinetics of carbon nanowall-like structures in low-temperature plasmas. <i>Physics of Plasmas</i> , 2007, 14, 063502.	1.9	45
76	Non-extensive self-organized dusty structures in a plasma. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B95-B102.	2.1	7
77	Parametric Instability in Dark Molecular Clouds. <i>Astrophysical Journal</i> , 2007, 664, 942-949.	4.5	17
78	Self-organization in a complex plasma. , 2007, , .		0
79	Parametric instability in a collisional dusty plasma. <i>Physics of Plasmas</i> , 2007, 14, 052105.	1.9	10
80	Structure and evolution of internal gravity waves and traveling ionospheric disturbances in regions with sharp gradients of the ionospheric parameters. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	3
81	Dust in the magnetized sheath. <i>Physics of Plasmas</i> , 2007, 14, .	1.9	40
82	Spatial dust distribution and plasma dynamics in the tokamak edge. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 803-808.	2.1	2
83	Dynamic and static structures in dusty plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, A241-A247.	2.1	0
84	From plasma crystals and helical structures towards inorganic living matter. <i>New Journal of Physics</i> , 2007, 9, 263-263.	2.9	30
85	Critical exponents for structural transitions in a complex plasma. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 371, 145-149.	2.1	3
86	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
87	On the role of dust in the cometary plasma. <i>JETP Letters</i> , 2007, 85, 478-482.	1.4	20
88	Bending modes in the hexagonal dust-plasma crystal. <i>Physics of Plasmas</i> , 2006, 13, 030703.	1.9	24
89	Vibrations of a pair microparticles suspended in a plasma sheath. <i>New Journal of Physics</i> , 2006, 8, 201-201.	2.9	13
90	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

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91	Dust clusters with non-Hamiltonian particle dynamics. <i>Physics of Plasmas</i> , 2006, 13, 072104.	1.9	19
92	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
93	Theory of dust self-organized convection in cylindrical discharges. II. Dust convective structures. <i>Physics of Plasmas</i> , 2006, 13, 032306.	1.9	12
94	Effect of electrostatic plasma oscillations on the kinetic energy of a charged macroparticle. <i>Physics of Plasmas</i> , 2006, 13, 012111.	1.9	11
95	Features of dusty structures in the upper Earth's atmosphere. <i>JETP Letters</i> , 2005, 82, 632-637.	1.4	35
96	Wake-induced symmetry-breaking of dust particle arrangements in a complex plasma. <i>JETP Letters</i> , 2005, 82, 758-762.	1.4	30
97	Dust particle alignments and confinement in a radio frequency sheath. <i>Physics of Plasmas</i> , 2005, 12, 022103.	1.9	51
98	Criticality in a Vlasov-Poisson system: A fermioniclike universality class. <i>Physical Review E</i> , 2005, 71, 056406.	2.1	8
99	Stability of dust voids. <i>Physics of Plasmas</i> , 2005, 12, 052117.	1.9	37
100	Magnetic fields and uniformity of radio frequency power deposition in low-frequency inductively coupled plasmas with crossed internal oscillating currents. <i>Physics of Plasmas</i> , 2004, 11, 3915-3924.	1.9	4
101	Parametric instabilities in magnetized multicomponent plasmas. <i>Physical Review E</i> , 2004, 69, 056402.	2.1	15
102	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
103	Lattice modes in a system of charge rotators in a plasma environment. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3039-3042.	0.8	0
104	Modes of oscillations of magnetized grains in a complex plasma. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 2840-2843.	0.8	0
105	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
106	Agglomerations of Magnetized Dust Particles in Complex Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 675-679.	1.3	12
107	Spinning of Spherical Grains in Dusty Plasmas. <i>IEEE Transactions on Plasma Science</i> , 2004, 32, 659-662.	1.3	14
108	Modulational and decay instabilities of Alfvén waves in a multicomponent plasma. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14

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109	Phase state and transport of non-Yukawa interacting macroparticles (complex plasma). <i>Physics of Plasmas</i> , 2004, 11, 3234-3237.	1.9	31
110	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
111	Particle flows in dusty plasmas of the tokamak edge. <i>Physics of Plasmas</i> , 2004, 11, 4138-4141.	1.9	7
112	Title is missing!. <i>Plasmas and Polymers</i> , 2003, 8, 135-152.	1.5	11
113	Parametric instabilities in magnetized bi-ion and dusty plasmas. <i>Pramana - Journal of Physics</i> , 2003, 61, 1171-1177.	1.8	4
114	Mutual interactions of magnetized particles in complex plasmas. <i>New Journal of Physics</i> , 2003, 5, 18-18.	2.9	20
115	Ion-acoustic waves in a complex plasma with negative ions. <i>Physical Review E</i> , 2003, 67, 036406.	2.1	89
116	Parametric instabilities of Alfvén waves in a dusty plasma. <i>Physics of Plasmas</i> , 2003, 10, 3160-3167.	1.9	21
117	Low-pressure diffusion equilibrium of electronegative complex plasmas. <i>Physical Review E</i> , 2003, 67, 056408.	2.1	62
118	Kinetics of plasma flowing around two stationary dust grains. <i>Physical Review E</i> , 2003, 67, 016407.	2.1	59
119	Molecular dynamics simulation of plasma flow around two stationary dust grains. <i>Physics of Plasmas</i> , 2003, 10, 3867-3873.	1.9	49
120	Nonlinear electromagnetic fields in 0.5 MHz inductively coupled plasmas. <i>Physics of Plasmas</i> , 2003, 10, 1146-1151.	1.9	11
121	Charge of a macroscopic particle in a plasma sheath. <i>Physical Review E</i> , 2003, 67, 066404.	2.1	55
122	Rotational modes of oscillation of rodlike dust grains in a plasma. <i>Physical Review E</i> , 2003, 68, 026402.	2.1	11
123	Oscillatory modes of magnetized grains in a plasma. <i>Physics of Plasmas</i> , 2003, 10, 2659-2662.	1.9	10
124	Quasilinear diffusion as a result of modulational instability in the pulsar plasma. <i>Physical Review E</i> , 2002, 65, 036408.	2.1	16
125	Stability of particle arrangements in a complex plasma. <i>Physical Review E</i> , 2002, 65, 046416.	2.1	37
126	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

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127	Comment on "Dependence of the Dust-Particle Charge on Its Size in a Glow-Discharge Plasma". Physical Review Letters, 2002, 89, 229501; author reply 229502.	7.8	13
128	Criteria of Phase Transitions in a Complex Plasma. Physical Review Letters, 2002, 88, 245002.	7.8	58
129	Diffusion and dynamics of macro-particles in a complex plasma. Physics of Plasmas, 2002, 9, 835-840.	1.9	100
130	The Alfvén resonance in a dusty plasma with a distribution of grain sizes. Physics of Plasmas, 2002, 9, 4845-4850.	1.9	18
131	Calculation of the grain charge fluctuations in a dusty plasma. Plasma Physics Reports, 2002, 28, 946-952.	0.9	17
132	Cooperative behavior of colloidal particles in a complex plasma. Physica A: Statistical Mechanics and Its Applications, 2002, 315, 222-227.	2.6	9
133	Advances in Dusty Plasmas. Wave Phenomena in Dusty Plasmas.. Journal of Plasma and Fusion Research, 2002, 78, 304-309.	0.4	0
134	Theory of collision-dominated dust voids in plasmas. Physical Review E, 2001, 63, 056609.	2.1	97
135	Interaction of a rodlike charged macroparticle with a flowing plasma. Physical Review E, 2001, 64, 026403.	2.1	17
136	Oscillations in a chain of rod-shaped colloidal particles in a plasma. Physical Review E, 2001, 64, 035402.	2.1	16
137	Self-excited vertical oscillations in an rf-discharge dusty plasma. Physical Review E, 2001, 64, 025402.	2.1	63
138	Nonlinear Alfvén Waves in Weakly Ionised Dusty Plasmas. Publications of the Astronomical Society of Australia, 2001, 18, 374-383.	3.4	3
139	Waves in Dusty Plasma Discharges. Physica Scripta, 2001, T89, 122.	2.5	4
140	A new mechanism for pulsar gamma-ray emission. Monthly Notices of the Royal Astronomical Society, 2000, 312, 51-56.	4.4	16
141	Particle acceleration by a fast ordinary mode in an electron-positron plasma. Physics of Plasmas, 2000, 7, 1280-1286.	1.9	10
142	Equilibrium and levitation of dust in a collisional plasma with ionization. Physical Review E, 2000, 62, 2754-2762.	2.1	67
143	Plasma kinetics around a dust grain in an ion flow. Physical Review E, 2000, 63, 017401.	2.1	69
144	Effect of a dipole moment on the wake potential of a dust grain in a flowing plasma. Physical Review E, 2000, 61, 7246-7248.	2.1	35

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145	Low-frequency dispersion properties of plasmas with variable-charge impurities. <i>Physics of Plasmas</i> , 2000, 7, 461-465.	1.9	71
146	Dust-acoustic wave instabilities in collisional plasmas. <i>Physical Review E</i> , 2000, 61, 4315-4321.	2.1	58
147	Self-Organization in Dusty Plasmas. , 2000, , 123-134.		2
148	Instabilities of the dust-plasma crystal. , 2000, , 469-472.		0
149	Effects of Dust on Alfvén Waves in Space and Astrophysical Plasmas. , 2000, , 237-244.		0
150	Collective behaviour and particle motions in a dusty plasma. <i>Plasma Physics and Controlled Fusion</i> , 1999, 41, A463-A468.	2.1	0
151	Buneman-type Streaming Instability in a Plasma with Dust Particulates. <i>Physica Scripta</i> , 1999, 60, 370-372.	2.5	7
152	Shielding and charging of dust particles in the plasma sheath. <i>Physical Review E</i> , 1999, 60, 4708-4714.	2.1	28
153	Nonlinear dynamics of an ordinary electromagnetic mode in a pair plasma. <i>Physical Review E</i> , 1999, 59, 4552-4558.	2.1	33
154	Theory of dust voids in plasmas. <i>Physical Review E</i> , 1999, 59, 7055-7067.	2.1	270
155	Equilibrium and oscillations of grains in the dust-plasma crystal. <i>Physical Review E</i> , 1999, 60, 7369-7373.	2.1	45
156	Dust-plasma sheath: A new dissipative self-organized structure. <i>Physics of Plasmas</i> , 1999, 6, 2972-2975.	1.9	43
157	Quasilinear Evolution of Weakly Turbulent Plasmas. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3881-3884.	1.6	5
158	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
159	On the realization of the current-driven dust ion-acoustic instability. <i>Physics of Plasmas</i> , 1999, 6, 737-740.	1.9	62
160	Compressional Alfvén cross-field surface waves in inhomogeneous dusty plasmas. <i>Physics of Plasmas</i> , 1999, 6, 2676-2680.	1.9	7
161	Low-frequency surface waves in a structured magnetized dusty plasma. <i>Journal of Geophysical Research</i> , 1999, 104, 593-596.	3.3	14
162	Ion-acoustic waves in a dust-contaminated plasma. <i>Physical Review E</i> , 1999, 60, 3257-3261.	2.1	82

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163	Nonlinear Plasma Maser Interactions of Particles and Waves in a Turbulent Plasma. <i>Physica Scripta</i> , 1999, T82, 113.	2.5	1
164	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
165	Collective oscillations of dust particles in a plasma sheath. <i>European Physical Journal D</i> , 1998, 48, 233-238.	0.4	0
166	Temperature-gradient-driven flows of ions and neutrals in dusty plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 239, 94-98.	2.1	4
167	Alfvén Wave Forces Affecting the Tokamak Edge Plasma in the Presence of Impurities or Dust. <i>Contributions To Plasma Physics</i> , 1998, 38, 272-277.	1.1	0
168	Theory of self-organized dust sheaths in edge plasmas. <i>European Physical Journal D</i> , 1998, 48, 71-80.	0.4	2
169	Dissipative drift waves in partially ionized plasmas containing high-Z impurities or dust. <i>Physical Review E</i> , 1998, 58, 2415-2423.	2.1	30
170	Surface waves in a magnetized plasma with mobile dust grains. <i>Physics of Plasmas</i> , 1998, 5, 3126-3134.	1.9	43
171	The Resonance Absorption of Wave Energy in a Dusty Plasma. <i>Physica Scripta</i> , 1998, T75, 213.	2.5	3
172	Covariant Electromagnetic Forces in a Time-dependent and Inhomogeneous Medium. <i>Physica Scripta</i> , 1998, 57, 298-300.	2.5	2
173	Vibrations in Vertical Strings of Dust Grains. <i>Physica Scripta</i> , 1998, 58, 80-82.	2.5	11
174	Wave Action in a Plasma with Coulomb Collisions. <i>Physica Scripta</i> , 1998, 57, 293-297.	2.5	0
175	Hamiltonian dynamics of dust-plasma interactions. <i>Physical Review E</i> , 1998, 57, 3392-3398.	2.1	24
176	Low-frequency modes in the dust-plasma crystal. <i>Physics of Plasmas</i> , 1998, 5, 4-6.	1.9	44
177	Evolution of Langmuir waves in a plasma contaminated by variable-charge impurities. <i>Physical Review E</i> , 1998, 58, 8046-8048.	2.1	58
178	Ionizing drift-wave instability in a low-temperature plasma. <i>Journal of Plasma Physics</i> , 1998, 60, 581-586.	2.1	1
179	Low-frequency modes in the dust-plasma crystal. , 1998, , .		0
180	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

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181	Three-wave processes in a turbulent nonstationary plasma. <i>Physics of Plasmas</i> , 1997, 4, 1249-1256.	1.9	4
182	Vibrational modes in the dust-plasma crystal. <i>Physical Review E</i> , 1997, 56, R74-R76.	2.1	120
183	Wake potential of a dust grain in a plasma with ion flow. <i>Physics of Plasmas</i> , 1997, 4, 69-74.	1.9	197
184	Alfvén Waves in Dusty Interstellar Clouds. <i>Publications of the Astronomical Society of Australia</i> , 1997, 14, 170-178.	3.4	19
185	Electromagnetic Forces on Plasma Particles in the Presence of Resonant and Nonresonant Plasma Turbulence. <i>Contributions To Plasma Physics</i> , 1997, 37, 293-301.	1.1	2
186	The Alfvén resonance in a magnetized dusty plasma. <i>Physica Scripta</i> , 1996, 53, 586-590.	2.5	46
187	On plasma crystal formation. <i>Physics of Plasmas</i> , 1996, 3, 444-446.	1.9	137
188	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
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