

# Gert Brodin

## List of Publications by Year in descending order

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180  
papers

4,311  
citations

117571

34  
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138417

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182  
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182  
docs citations

182  
times ranked

1099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum kinetic theory of plasmas. <i>Reviews of Modern Plasma Physics</i> , 2022, 6, 1.	2.2	14
2	Wave-particle interactions in quantum plasmas. <i>Reviews of Modern Plasma Physics</i> , 2022, 6, 1.	2.2	7
3	Linear pair-creation damping of high-frequency plasma oscillation. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
4	Short-scale quantum kinetic theory including spin-orbit interactions. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	2
5	Plasma dynamics and vacuum pair creation using the Dirac-Heisenberg-Wigner formalism. <i>Physical Review E</i> , 2021, 104, 015207.	0.8	7
6	Ultrafast electron holes in plasma phase space dynamics. <i>Scientific Reports</i> , 2021, 11, 16358.	1.6	6
7	Landau damping of electron-acoustic waves due to multi-plasmon resonances. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	6
8	Kinetic theory for spin-1/2 particles in ultrastrong magnetic fields. <i>Physical Review E</i> , 2020, 102, 043203.	0.8	4
9	Relativistic kinetic theory for spin-1/2 particles: Conservation laws, thermodynamics, and linear waves. <i>Physical Review E</i> , 2019, 100, 023201.	0.8	12
10	Do hydrodynamic models based on time-independent density functional theory misestimate exchange effects? Comparison with kinetic theory for electrostatic waves. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	13
11	Scattering of electron holes in the context of ion-acoustic regime. <i>Physics of Plasmas</i> , 2019, 26, 034502.	0.7	0
12	Head-on collision of nonlinear solitary solutions to Vlasov-Poisson equations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	6
13	Transition from wakefield generation to soliton formation. <i>Physical Review E</i> , 2018, 97, 043204.	0.8	12
14	Nonlinear wave damping due to multi-plasmon resonances. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 025009.	0.9	7
15	A study of the stability properties of Sagdeev solutions in the ion-acoustic regime using kinetic simulations. <i>Physics of Plasmas</i> , 2018, 25, 072304.	0.7	2
16	A simple electron plasma wave. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1033-1035.	0.9	12
17	Effects of group velocity and multiplasmon resonances on the modulation of Langmuir waves in a degenerate plasma. <i>Physical Review E</i> , 2017, 96, 053209.	0.8	6
18	Quantum kinetic theories in degenerate plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014043.	0.9	14

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19	Nonlinear dynamics of a cold collisional electron plasma. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	17
20	Temperature effects on large amplitude electron plasma oscillations. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	19
21	A new decay channel for upper-hybrid waves. <i>Physica Scripta</i> , 2016, 91, 104005.	1.2	3
22	Exchange corrections in a low-temperature plasma. <i>Physical Review E</i> , 2015, 92, 013104.	0.8	38
23	Three-wave coupling coefficients for perpendicular wave propagation in a magnetized plasma. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	30
24	Virtual issue to honour Lennart Stenflo on his 75th birthday. <i>Physica Scripta</i> , 2015, 90, 060303.	1.2	0
25	The transition from the classical to the quantum regime in nonlinear Landau damping. <i>Physica Scripta</i> , 2015, 90, 068020.	1.2	15
26	Weibel instability in relativistic quantum plasmas. <i>Physica Scripta</i> , 2015, 90, 088003.	1.2	6
27	On the contribution of exchange interactions to the Vlasov equation. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	14
28	Nonlinear wave interactions of kinetic sound waves. <i>Annales Geophysicae</i> , 2015, 33, 1007-1010.	0.6	1
29	Nonlinear dynamics of large amplitude modes in a magnetized plasma. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	12
30	Evolution of the magnetic field generated by the Kelvin-Helmholtz instability. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	6
31	Three-wave interaction and Manley-Rowe relations in quantum hydrodynamics. <i>Journal of Plasma Physics</i> , 2014, 80, 643-652.	0.7	6
32	Wave Generation in a Warm Magnetized Multi-Component Plasma. <i>Contributions To Plasma Physics</i> , 2014, 54, 623-625.	0.5	4
33	Weakly relativistic quantum kinetic theory for electrostatic wave modes in magnetized plasmas. <i>Physics of Plasmas</i> , 2014, 21, 032104.	0.7	33
34	Large amplitude electron plasma oscillations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1632-1635.	0.9	26
35	Collisional contribution to stimulated scattering in plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 549-550.	0.9	6
36	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.	0.9	25

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37	Kinetic theory of fully degenerate electrons in the long scale limit. <i>Physical Review E</i> , 2013, 88, 023107.	0.8	6
38	Exchange effects in plasmas: The case of low-frequency dynamics. <i>Physical Review E</i> , 2013, 88, 063105.	0.8	38
39	Linear and nonlinear wave propagation in weakly relativistic quantum plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	18
40	Scalar Wigner theory for polarized light in nonlinear Kerr media. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1765.	0.9	6
41	Stimulated Brillouin scattering in magnetized plasmas. <i>Journal of Plasma Physics</i> , 2013, 79, 983-986.	0.7	6
42	Alfven wave interactions within the Hall-MHD description. <i>Journal of Plasma Physics</i> , 2013, 79, 909-911.	0.7	6
43	Particle-in-cell simulations of electron spin effects in plasmas. <i>Journal of Plasma Physics</i> , 2013, 79, 377-382.	0.7	7
44	Proton acceleration by circularly polarized traveling electromagnetic wave. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2012, 15, .	1.8	8
45	Three-wave coupling coefficients for a magnetized plasma. <i>Physica Scripta</i> , 2012, 85, 035504.	1.2	8
46	Semi-relativistic effects in spin-1/2 quantum plasmas. <i>New Journal of Physics</i> , 2012, 14, 073042.	1.2	75
47	Wakefield generation in magnetized plasmas. <i>Physical Review E</i> , 2011, 84, 036409.	0.8	22
48	Spin and magnetization effects in plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 074013.	0.9	36
49	Stability of two-dimensional ion-acoustic wave packets in quantum plasmas. <i>Physics of Plasmas</i> , 2011, 18, 042102.	0.7	12
50	On the parametric decay of a circularly polarized wave. <i>Journal of Plasma Physics</i> , 2011, 77, 431-435.	0.7	2
51	The influence of temporal coherence on the dynamical Casimir effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2665-2669.	0.9	8
52	Parametric decay of whistler waves in electron magnetohydrodynamics. <i>Physica Scripta</i> , 2011, 83, 035503.	1.2	8
53	Nonlinear wave interaction and spin models in the magnetohydrodynamic regime. <i>New Journal of Physics</i> , 2011, 13, 083017.	1.2	9
54	Speedup of Doping Fronts in Organic Semiconductors through Plasma Instability. <i>Physical Review Letters</i> , 2011, 107, 016103.	2.9	25

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55	Ponderomotive force due to the intrinsic spin in extended fluid and kinetic models. <i>Physical Review E</i> , 2011, 83, 036410.	0.8	37
56	Comment on "Terahertz wave generation by the upper hybrid wave" [ <i>Phys. Plasmas</i> 18, 022304 (2011)]. <i>Physics of Plasmas</i> , 2011, 18, 074701.	0.7	2
57	Parametric decay of whistler waves in electron magnetohydrodynamics. <i>Physica Scripta</i> , 2010, 83, 069801.	1.2	1
58	Fluid moment hierarchy equations derived from quantum kinetic theory. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 481-484.	0.9	31
59	Large amplitude circularly polarized waves in quantum plasmas. <i>Journal of Plasma Physics</i> , 2010, 76, 261-265.	0.7	10
60	Circularly polarized modes in magnetized spin plasmas. <i>Journal of Plasma Physics</i> , 2010, 76, 857-864.	0.7	56
61	Interaction between gravitational waves and plasma waves in the Vlasov description. <i>Journal of Plasma Physics</i> , 2010, 76, 345-353.	0.7	8
62	From extended phase space dynamics to fluid theory. <i>Physics of Plasmas</i> , 2010, 17, 102109.	0.7	35
63	Generation of wakefields by whistlers in spin quantum magnetoplasmas. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	32
64	Scalar quantum kinetic theory for spin-1/2 particles: mean field theory. <i>New Journal of Physics</i> , 2010, 12, 043019.	1.2	96
65	Model of the electrochemical conversion of an undoped organic semiconductor film to a doped conductor film. <i>Physical Review B</i> , 2010, 81, .	1.1	11
66	Spin Contribution to the Ponderomotive Force in a Plasma. <i>Physical Review Letters</i> , 2010, 105, 105004.	2.9	78
67	Spin-induced nonlinearities in the electron magnetohydrodynamic regime. <i>New Journal of Physics</i> , 2010, 12, 013006.	1.2	13
68	Effects of the electron spin on the nonlinear generation of quasi-static magnetic fields in a plasma. <i>Journal of Plasma Physics</i> , 2010, 76, 865-873.	0.7	1
69	Fluid moment hierarchy equations derived from gauge invariant quantum kinetic theory. <i>New Journal of Physics</i> , 2010, 12, 073027.	1.2	30
70	Decay interactions involving two electrostatic waves and one arbitrary polarized wave in a magnetized plasma. , 2010, , .		0
71	Nonlinear quantum electrodynamics in vacuum and plasmas. , 2010, , .		0
72	A phonon laser in ultra-cold matter. <i>Europhysics Letters</i> , 2010, 91, 33001.	0.7	20

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73	Influence of strong field vacuum polarization on gravitational-electromagnetic wave interaction. Physical Review D, 2010, 82, .	1.6	0
74	Linearized kinetic theory of spin-1/2 particles in magnetized plasmas. Physical Review E, 2010, 82, 056407.	0.8	39
75	Localized whistlers in magnetized spin quantum plasmas. Physical Review E, 2010, 82, 056406.	0.8	40
76	Linear theory of gravitational wave propagation in a magnetized, relativistic Vlasov plasma. Physical Review D, 2010, 82, .	1.6	5
77	Spin Kinetic Theoryâ€™Quantum Kinetic Theory in Extended Phase Space. Transport Theory and Statistical Physics, 2010, 39, 502-523.	0.4	10
78	Dynamics of a dusty plasma with intrinsic magnetization. New Journal of Physics, 2009, 11, 073017.	1.2	21
79	Spin Kinetic Models of Plasmasâ€™Semiclassical and Quantum Mechanical Theory. , 2009, , .		0
80	High Intensity Physics. , 2009, , .		0
81	Excitation of multiple wakefields by short laser pulses in quantum plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3165-3168.	0.9	15
82	Nonlinear electromagnetic wave equations for superdense magnetized plasmas. Physics of Plasmas, 2009, 16, .	0.7	15
83	On the parametric decay of waves in magnetized plasmas. Journal of Plasma Physics, 2009, 75, 9-13.	0.7	5
84	Vacuum effects in a vibrating cavity: Time refraction, dynamical Casimir effect, and effective Unruh acceleration. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5621-5624.	0.9	29
85	Ion streaming instability in a quantum dusty magnetoplasma. Physics of Plasmas, 2008, 15, 044503.	0.7	35
86	Wake field generation and nonlinear evolution in a magnetized electron-positron-ion plasma. Physics of Plasmas, 2008, 15, 082305.	0.7	27
87	Quantum Plasma Effects in the Classical Regime. Physical Review Letters, 2008, 100, 175001.	2.9	188
88	New quantum limits in plasmonic devices. Europhysics Letters, 2008, 84, 17006.	0.7	138
89	Superluminal tunneling of microwaves in smoothly varying transmission lines. Physical Review E, 2008, 78, 016601.	0.8	17
90	Harmonic generation of gravitational wave induced Alfvén waves. Physical Review D, 2008, 77, .	1.6	7

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91	Dusty spin plasmas. AIP Conference Proceedings, 2008, , .	0.3	2
92	On the possibility of metamaterial properties in spin plasmas. New Journal of Physics, 2008, 10, 115031.	1.2	13
93	Laboratory soft x-ray emission due to the Hawkingâ€“Unruh effect?. Classical and Quantum Gravity, 2008, 25, 145005.	1.5	14
94	Modified Jeans instability criteria for magnetized systems. Physics of Plasmas, 2008, 15, .	0.7	55
95	Effects of the $\gamma$ Factor in Semiclassical Kinetic Plasma Theory. Physical Review Letters, 2008, 101, 245002.	2.9	121
96	A new decay channel for compressional Alfvén waves in plasmas. Journal of Plasma Physics, 2008, 74, 99-105.	0.7	4
97	Exact analytic solutions for nonlinear waves in cold plasmas. Journal of Plasma Physics, 2008, 74, 569-573.	0.7	7
98	QUANTUM, SPIN AND QED EFFECTS IN PLASMAS. , 2008, , .		1
99	SPIN QUANTUM PLASMAS â€” NEW ASPECTS OF COLLECTIVE DYNAMICS. , 2008, , .		0
100	Three-wave coupling coefficients for a warm magnetized multicomponent plasma. Physica Scripta, 2007, 75, 216-218.	1.2	3
101	Quantum-Electrodynamical Photon Splitting in Magnetized Nonlinear Pair Plasmas. Physical Review Letters, 2007, 98, 125001.	2.9	57
102	Circularly polarized waves in a plasma with vacuum polarization effects. Physics of Plasmas, 2007, 14, 064503.	0.7	14
103	Nonlinear interactions between three inertial Alfvén waves. Journal of Plasma Physics, 2007, 73, 9-13.	0.7	9
104	Spin solitons in magnetized pair plasmas. Physics of Plasmas, 2007, 14, .	0.7	115
105	Short wavelength electromagnetic propagation in magnetized quantum plasmas. Physics of Plasmas, 2007, 14, 062112.	0.7	42
106	Spin magnetohydrodynamics. New Journal of Physics, 2007, 9, 277-277.	1.2	261
107	Dynamics of Spin-1/2 Quantum Plasmas. Physical Review Letters, 2007, 98, 025001.	2.9	416
108	Ferromagnetic behavior in magnetized plasmas. Physical Review E, 2007, 76, 055403.	0.8	61

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109	Anomalous reflection and excitation of surface waves in metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 233-236.	0.9	13
110	Kinetic and quantum electrodynamical theory for circularly polarized waves in a plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 371, 462-464.	0.9	6
111	Short wavelength quantum electrodynamical correction to cold plasma-wave propagation. Physics of Plasmas, 2006, 13, 102102.	0.7	15
112	Dispersion relation for electromagnetic wave propagation in a strongly magnetized plasma. New Journal of Physics, 2006, 8, 16-16.	1.2	17
113	Nonlinear interactions between gravitational radiation and modified Alfvén modes in astrophysical dusty plasmas. Physical Review D, 2006, 74, .	1.6	8
114	Graviton mediated photon-photon scattering in general relativity. Physical Review D, 2006, 74, .	1.6	6
115	The three-wave coupling coefficients for a cold magnetized plasma. Journal of Plasma Physics, 2006, 72, 143.	0.7	11
116	Photon-graviton pair conversion. Classical and Quantum Gravity, 2006, 23, L7-L13.	1.5	4
117	Nonlinear interaction between three kinetic Alfvén waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 73-75.	0.9	5
118	Photon acceleration in vacuum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 700-704.	0.9	23
119	Large-amplitude electron oscillations in a plasma slab. Journal of Plasma Physics, 2006, 72, 429.	0.7	15
120	Nonlinear Interactions Between Kinetic Alfvén and Ion-Sound Waves. Solar Physics, 2006, 236, 285-291.	1.0	35
121	Using High-Power Lasers for Detection of Elastic Photon-Photon Scattering. Physical Review Letters, 2006, 96, 083602.	2.9	155
122	Analysis of four-wave mixing of high-power lasers for the detection of elastic photon-photon scattering. Physical Review A, 2006, 74, .	1.0	46
123	Cherenkov radiation in a photon gas. New Journal of Physics, 2005, 7, 70-70.	1.2	8
124	New low-frequency nonlinear electromagnetic wave in a magnetized plasma. Plasma Physics and Controlled Fusion, 2005, 47, L25-L29.	0.9	30
125	Wave-kinetic description of nonlinear photons. Journal of Plasma Physics, 2005, 71, 527-533.	0.7	1
126	Solitons and decoherence in left-handed metamaterials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 231-234.	0.9	30



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127	A new electromagnetic wave in a pair plasma. <i>Journal of Plasma Physics</i> , 2005, 71, 709.	0.7	9
128	Generation of gravitational radiation in dusty plasmas and supernovae. <i>JETP Letters</i> , 2005, 81, 135-139.	0.4	9
129	Quantum electrodynamical effects in dusty plasmas. <i>Physics of Plasmas</i> , 2005, 12, 072111.	0.7	29
130	Nonlinear coupled Alfvén and gravitational waves. <i>Physical Review D</i> , 2004, 70, .	1.6	12
131	Possibility to measure elastic photon-photon scattering in vacuum. <i>Physical Review A</i> , 2004, 70, .	1.0	20
132	Nonlinear propagation of incoherent photons in a radiation background. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 330, 131-136.	0.9	2
133	Modulational and filamentational instabilities of two electromagnetic pulses in a radiation background. <i>New Journal of Physics</i> , 2004, 6, 172-172.	1.2	3
134	Dynamics of Radiation due to Vacuum Nonlinearities. <i>Physica Scripta</i> , 2004, T107, 239.	1.2	3
135	A Coupled System for Nonlinear Wave Propagation Combining Wake Field Generation with a Kerr-Nonlinearity. <i>Physica Scripta</i> , 2004, , 20.	1.2	0
136	Nonlinear Resonant Wave Interaction in Vacuum. <i>Physica Scripta</i> , 2004, T107, 209.	1.2	1
137	Light bullets and optical collapse in vacuum. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 306, 206-210.	0.9	24
138	Nonlinear self-interaction of plane gravitational waves. <i>Physical Review D</i> , 2003, 67, .	1.6	7
139	Self-phase modulation of spherical gravitational waves. <i>Physical Review D</i> , 2003, 68, .	1.6	2
140	Resonant interaction between gravitational waves, electromagnetic waves, and plasma flows. <i>Physical Review D</i> , 2003, 68, .	1.6	43
141	Electromagnetic Wave Collapse in a Radiation Background. <i>Physical Review Letters</i> , 2003, 91, 163601.	2.9	35
142	Nonlinear coupling between Alfvén and fast magnetosonic waves. <i>Journal of Plasma Physics</i> , 2003, 69, 183-185.	0.7	8
143	Gravitational wave detection using electromagnetic modes in a resonance cavity. <i>Classical and Quantum Gravity</i> , 2003, 20, L45-L51.	1.5	12
144	Nonlinear standing waves in bounded plasmas. <i>Physical Review E</i> , 2002, 66, 046403.	0.8	15

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145	Propagation of electromagnetically generated wake fields in inhomogeneous magnetized plasmas. Journal of Plasma Physics, 2002, 67, 339-351.	0.7	0
146	Collapse of optical vacuum pulses due to QED nonlinearities. , 2002, , .		0
147	Plane-fronted parallel waves in a warm two-component plasma. Classical and Quantum Gravity, 2001, 18, 5249-5255.	1.5	2
148	Proposal for Detection of QED Vacuum Nonlinearities in Maxwell's Equations by the Use of Waveguides. Physical Review Letters, 2001, 87, 171801.	2.9	96
149	Cyclotron damping and Faraday rotation of gravitational waves. Physical Review D, 2001, 64, .	1.6	25
150	Photon frequency conversion induced by gravitational radiation. Physical Review D, 2001, 63, .	1.6	28
151	Radio Wave Emissions Due to Gravitational Radiation. Astrophysical Journal, 2000, 536, 875-879.	1.6	57
152	Parametric excitation of Alfvén waves by gravitational radiation. Physical Review E, 2000, 62, 8493-8500.	0.8	27
153	Nonlinear gravitational wave interactions with plasmas. Physical Review D, 2000, 62, .	1.6	27
154	Cosmological electromagnetic fields due to gravitational wave perturbations. Physical Review D, 2000, 62, .	1.6	37
155	Parametric Excitation of Plasma Waves by Gravitational Radiation. Physical Review Letters, 1999, 82, 3012-3015.	2.9	41
156	Interaction of Neutrinos and Gravitons with Plasmas in the Universe. Physica Scripta, 1999, T82, 130.	1.2	3
157	The Nonlinear Low-Frequency Response in a Weakly Relativistic Plasma. Physica Scripta, 1999, T82, 95.	1.2	6
158	Excitation of electromagnetic wake fields in a magnetized plasma. Physical Review E, 1998, 57, 7041-7047.	0.8	35
159	Nonlinear Landau Damping. Physical Review Letters, 1997, 78, 1263-1266.	2.9	41
160	A new approach to linear Landau damping. American Journal of Physics, 1997, 65, 66-74.	0.3	13
161	Two-dimensional shear Alfvén-wave turbulence in a plasma with arbitrary $\beta^2$ . Journal of Plasma Physics, 1996, 55, 121-130.	0.7	9
162	The radiating regime of Lagrangian frame two-plasmon decay. Physics of Plasmas, 1995, 2, 3266-3270.	0.7	1

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163	Nonlinear Resonant Absorption of Surface Magnetohydrodynamic Waves. <i>Physical Review Letters</i> , 1995, 74, 1994-1997.	2.9	7
164	Nonlinear surface waves in a plasma with a diffuse boundary. <i>Physics of Plasmas</i> , 1994, 1, 96-102.	0.7	13
165	Soliton frequency shift and delocalization in media with two time-scale nonlinear response. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1993, 177, 130-133.	0.9	5
166	Total backward reflection of electromagnetic radiation due to resonant excitation of surface waves. <i>Physical Review E</i> , 1993, 47, 4623-4624.	0.8	13
167	Effect of collisions on the magnetization current in a plasma. <i>Journal of Plasma Physics</i> , 1993, 50, 325-330.	0.7	4
168	Parametric instability of a large-amplitude circularly-polarized electromagnetic wave. <i>Plasma Physics and Controlled Fusion</i> , 1992, 34, 49-54.	0.9	2
169	Upper limits for frequency up-conversion in the nonlinear photon accelerator. <i>Physical Review A</i> , 1992, 46, R6178-R6180.	1.0	8
170	Parametric excitation of surface waves in a strongly inhomogeneous plasma. <i>Journal of Plasma Physics</i> , 1991, 46, 299-307.	0.7	11
171	Amplification of nonlinear surface waves in an inhomogeneous transition layer. <i>Journal of Plasma Physics</i> , 1991, 46, 459-462.	0.7	1
172	Parametric Excitation of Electromagnetic Fields by two Pump Waves. <i>Contributions To Plasma Physics</i> , 1991, 31, 495-498.	0.5	1
173	Coupling Coefficients for Ion-Cyclotron Alfvén Waves. <i>Contributions To Plasma Physics</i> , 1990, 30, 413-419.	0.5	41
174	On the stability of a finite amplitude circularly polarized electromagnetic wave in an anisotropic plasma. <i>Physica Scripta</i> , 1990, 42, 343-346.	1.2	4
175	Instability of a strongly inhomogeneous plasma. <i>Physical Review A</i> , 1990, 42, 2374-2378.	1.0	34
176	Localized nonlinear wave structures in the nonlinear photon accelerator. <i>Physical Review A</i> , 1990, 42, 4862-4866.	1.0	25
177	Three-wave interaction between transverse and longitudinal waves. <i>Journal of Plasma Physics</i> , 1989, 42, 187-191.	0.7	13
178	Three-wave coupling coefficients for magnetized plasmas with pressure anisotropy. <i>Journal of Plasma Physics</i> , 1989, 41, 199-208.	0.7	13
179	Parametric instabilities of finite amplitude Alfvén waves. <i>Physica Scripta</i> , 1988, 37, 89-92.	1.2	32
180	Three-wave coupling coefficients for MHD plasmas. <i>Journal of Plasma Physics</i> , 1988, 39, 277-284.	0.7	33