

Gert Brodin

List of Publications by Year in descending order

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180
papers

4,311
citations

117571

34
h-index

138417

58
g-index

182
all docs

182
docs citations

182
times ranked

1099
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Spin-1/2 Quantum Plasmas. Physical Review Letters, 2007, 98, 025001.	2.9	416
2	Spin magnetohydrodynamics. New Journal of Physics, 2007, 9, 277-277.	1.2	261
3	Quantum Plasma Effects in the Classical Regime. Physical Review Letters, 2008, 100, 175001.	2.9	188
4	Using High-Power Lasers for Detection of Elastic Photon-Photon Scattering. Physical Review Letters, 2006, 96, 083602.	2.9	155
5	New quantum limits in plasmonic devices. Europhysics Letters, 2008, 84, 17006.	0.7	138
6	Effects of the g Factor in Semiclassical Kinetic Plasma Theory. Physical Review Letters, 2008, 101, 245002.	2.9	121
7	Spin solitons in magnetized pair plasmas. Physics of Plasmas, 2007, 14, .	0.7	115
8	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
9	Scalar quantum kinetic theory for spin-1/2 particles: mean field theory. New Journal of Physics, 2010, 12, 043019.	1.2	96
10	Spin Contribution to the Ponderomotive Force in a Plasma. Physical Review Letters, 2010, 105, 105004.	2.9	78
11	Semi-relativistic effects in spin-1/2 quantum plasmas. New Journal of Physics, 2012, 14, 073042.	1.2	75
12	Ferromagnetic behavior in magnetized plasmas. Physical Review E, 2007, 76, 055403.	0.8	61
13	Radio Wave Emissions Due to Gravitational Radiation. Astrophysical Journal, 2000, 536, 875-879.	1.6	57
14	Quantum-Electrodynamical Photon Splitting in Magnetized Nonlinear Pair Plasmas. Physical Review Letters, 2007, 98, 125001.	2.9	57
15	Circularly polarized modes in magnetized spin plasmas. Journal of Plasma Physics, 2010, 76, 857-864.	0.7	56
16	Modified Jeans instability criteria for magnetized systems. Physics of Plasmas, 2008, 15, .	0.7	55
17	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
18	Resonant interaction between gravitational waves, electromagnetic waves, and plasma flows. Physical Review D, 2003, 68, .	1.6	43

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19	Short wavelength electromagnetic propagation in magnetized quantum plasmas. <i>Physics of Plasmas</i> , 2007, 14, 062112.	0.7	42
20	Coupling Coefficients for Ion-Cyclotron Alfvén Waves. <i>Contributions To Plasma Physics</i> , 1990, 30, 413-419.	0.5	41
21	Nonlinear Landau Damping. <i>Physical Review Letters</i> , 1997, 78, 1263-1266.	2.9	41
22	Parametric Excitation of Plasma Waves by Gravitational Radiation. <i>Physical Review Letters</i> , 1999, 82, 3012-3015.	2.9	41
23	Localized whistlers in magnetized spin quantum plasmas. <i>Physical Review E</i> , 2010, 82, 056406.	0.8	40
24	Linearized kinetic theory of spin-1/2 particles in magnetized plasmas. <i>Physical Review E</i> , 2010, 82, 056407.	0.8	39
25	Exchange effects in plasmas: The case of low-frequency dynamics. <i>Physical Review E</i> , 2013, 88, 063105.	0.8	38
26	Exchange corrections in a low-temperature plasma. <i>Physical Review E</i> , 2015, 92, 013104.	0.8	38
27	Cosmological electromagnetic fields due to gravitational wave perturbations. <i>Physical Review D</i> , 2000, 62, .	1.6	37
28	Ponderomotive force due to the intrinsic spin in extended fluid and kinetic models. <i>Physical Review E</i> , 2011, 83, 036410.	0.8	37
29	Spin and magnetization effects in plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2011, 53, 074013.	0.9	36
30	Excitation of electromagnetic wake fields in a magnetized plasma. <i>Physical Review E</i> , 1998, 57, 7041-7047.	0.8	35
31	Electromagnetic Wave Collapse in a Radiation Background. <i>Physical Review Letters</i> , 2003, 91, 163601.	2.9	35
32	Nonlinear Interactions Between Kinetic Alfvén and Ion-Sound Waves. <i>Solar Physics</i> , 2006, 236, 285-291.	1.0	35
33	Ion streaming instability in a quantum dusty magnetoplasma. <i>Physics of Plasmas</i> , 2008, 15, 044503.	0.7	35
34	From extended phase space dynamics to fluid theory. <i>Physics of Plasmas</i> , 2010, 17, 102109.	0.7	35
35	Instability of a strongly inhomogeneous plasma. <i>Physical Review A</i> , 1990, 42, 2374-2378.	1.0	34
36	Three-wave coupling coefficients for MHD plasmas. <i>Journal of Plasma Physics</i> , 1988, 39, 277-284.	0.7	33

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37	Weakly relativistic quantum kinetic theory for electrostatic wave modes in magnetized plasmas. <i>Physics of Plasmas</i> , 2014, 21, 032104.	0.7	33
38	Parametric instabilities of finite amplitude Alfvén waves. <i>Physica Scripta</i> , 1988, 37, 89-92.	1.2	32
39	Generation of wakefields by whistlers in spin quantum magnetoplasmas. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	32
40	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
41	New low-frequency nonlinear electromagnetic wave in a magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, L25-L29.	0.9	30
42	Solitons and decoherence in left-handed metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 341, 231-234.	0.9	30
43	Fluid moment hierarchy equations derived from gauge invariant quantum kinetic theory. <i>New Journal of Physics</i> , 2010, 12, 073027.	1.2	30
44	Three-wave coupling coefficients for perpendicular wave propagation in a magnetized plasma. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	30
45	Quantum electrodynamic effects in dusty plasmas. <i>Physics of Plasmas</i> , 2005, 12, 072111.	0.7	29
46	Vacuum effects in a vibrating cavity: Time refraction, dynamical Casimir effect, and effective Unruh acceleration. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5621-5624.	0.9	29
47	Photon frequency conversion induced by gravitational radiation. <i>Physical Review D</i> , 2001, 63, .	1.6	28
48	Parametric excitation of Alfvén waves by gravitational radiation. <i>Physical Review E</i> , 2000, 62, 8493-8500.	0.8	27
49	Nonlinear gravitational wave interactions with plasmas. <i>Physical Review D</i> , 2000, 62, .	1.6	27
50	Wake field generation and nonlinear evolution in a magnetized electron-positron-ion plasma. <i>Physics of Plasmas</i> , 2008, 15, 082305.	0.7	27
51	Large amplitude electron plasma oscillations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1632-1635.	0.9	26
52	Localized nonlinear wave structures in the nonlinear photon accelerator. <i>Physical Review A</i> , 1990, 42, 4862-4866.	1.0	25
53	Cyclotron damping and Faraday rotation of gravitational waves. <i>Physical Review D</i> , 2001, 64, .	1.6	25
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	On the kinetic Alfvén waves in nonrelativistic spin quantum plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2131-2135.	0.9	25
56	Light bullets and optical collapse in vacuum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 306, 206-210.	0.9	24
57	Photon acceleration in vacuum. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 700-704.	0.9	23
58	Wakefield generation in magnetized plasmas. Physical Review E, 2011, 84, 036409.	0.8	22
59	Dynamics of a dusty plasma with intrinsic magnetization. New Journal of Physics, 2009, 11, 073017.	1.2	21
60	Possibility to measure elastic photon-photon scattering in vacuum. Physical Review A, 2004, 70, .	1.0	20
61	A phonon laser in ultra-cold matter. Europhysics Letters, 2010, 91, 33001.	0.7	20
62	Temperature effects on large amplitude electron plasma oscillations. Physics of Plasmas, 2016, 23, .	0.7	19
63	Linear and nonlinear wave propagation in weakly relativistic quantum plasmas. Physics of Plasmas, 2013, 20, .	0.7	18
64	Dispersion relation for electromagnetic wave propagation in a strongly magnetized plasma. New Journal of Physics, 2006, 8, 16-16.	1.2	17
65	Superluminal tunneling of microwaves in smoothly varying transmission lines. Physical Review E, 2008, 78, 016601.	0.8	17
66	Nonlinear dynamics of a cold collisional electron plasma. Physics of Plasmas, 2017, 24, .	0.7	17
67	Nonlinear standing waves in bounded plasmas. Physical Review E, 2002, 66, 046403.	0.8	15
68	Short wavelength quantum electrodynamic correction to cold plasma-wave propagation. Physics of Plasmas, 2006, 13, 102102.	0.7	15
69	Large-amplitude electron oscillations in a plasma slab. Journal of Plasma Physics, 2006, 72, 429.	0.7	15
70	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
71	Nonlinear electromagnetic wave equations for superdense magnetized plasmas. Physics of Plasmas, 2009, 16, .	0.7	15
72	The transition from the classical to the quantum regime in nonlinear Landau damping. Physica Scripta, 2015, 90, 068020.	1.2	15

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73	Circularly polarized waves in a plasma with vacuum polarization effects. <i>Physics of Plasmas</i> , 2007, 14, 064503.	0.7	14
74	Laboratory soft x-ray emission due to the Hawkingâ€™Unruh effect?. <i>Classical and Quantum Gravity</i> , 2008, 25, 145005.	1.5	14
75	On the contribution of exchange interactions to the Vlasov equation. <i>European Physical Journal D</i> , 2015, 69, 1.	0.6	14
76	Quantum kinetic theories in degenerate plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014043.	0.9	14
77	Quantum kinetic theory of plasmas. <i>Reviews of Modern Plasma Physics</i> , 2022, 6, 1.	2.2	14
78	Three-wave interaction between transverse and longitudinal waves. <i>Journal of Plasma Physics</i> , 1989, 42, 187-191.	0.7	13
79	Three-wave coupling coefficients for magnetized plasmas with pressure anisotropy. <i>Journal of Plasma Physics</i> , 1989, 41, 199-208.	0.7	13
80	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
81	Nonlinear surface waves in a plasma with a diffuse boundary. <i>Physics of Plasmas</i> , 1994, 1, 96-102.	0.7	13
82	A new approach to linear Landau damping. <i>American Journal of Physics</i> , 1997, 65, 66-74.	0.3	13
83	Anomalous reflection and excitation of surface waves in metamaterials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 367, 233-236.	0.9	13
84	On the possibility of metamaterial properties in spin plasmas. <i>New Journal of Physics</i> , 2008, 10, 115031.	1.2	13
85	Spin-induced nonlinearities in the electron magnetohydrodynamic regime. <i>New Journal of Physics</i> , 2010, 12, 013006.	1.2	13
86	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
87	Gravitational wave detection using electromagnetic modes in a resonance cavity. <i>Classical and Quantum Gravity</i> , 2003, 20, L45-L51.	1.5	12
88	Nonlinear coupled Alfvén and gravitational waves. <i>Physical Review D</i> , 2004, 70, .	1.6	12
89	Stability of two-dimensional ion-acoustic wave packets in quantum plasmas. <i>Physics of Plasmas</i> , 2011, 18, 042102.	0.7	12
90	Nonlinear dynamics of large amplitude modes in a magnetized plasma. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	12

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91	A simple electron plasma wave. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1033-1035.	0.9	12
92	Transition from wakefield generation to soliton formation. <i>Physical Review E</i> , 2018, 97, 043204.	0.8	12
93	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
94	Parametric excitation of surface waves in a strongly inhomogeneous plasma. <i>Journal of Plasma Physics</i> , 1991, 46, 299-307.	0.7	11
95	The three-wave coupling coefficients for a cold magnetized plasma. <i>Journal of Plasma Physics</i> , 2006, 72, 143.	0.7	11
96	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
97	Large amplitude circularly polarized waves in quantum plasmas. <i>Journal of Plasma Physics</i> , 2010, 76, 261-265.	0.7	10
98	Spin Kinetic Theory – Quantum Kinetic Theory in Extended Phase Space. <i>Transport Theory and Statistical Physics</i> , 2010, 39, 502-523.	0.4	10
99	Two-dimensional shear Alfvén-wave turbulence in a plasma with arbitrary β^2 . <i>Journal of Plasma Physics</i> , 1996, 55, 121-130.	0.7	9
100	A new electromagnetic wave in a pair plasma. <i>Journal of Plasma Physics</i> , 2005, 71, 709.	0.7	9
101	Generation of gravitational radiation in dusty plasmas and supernovae. <i>JETP Letters</i> , 2005, 81, 135-139.	0.4	9
102	Nonlinear interactions between three inertial Alfvén waves. <i>Journal of Plasma Physics</i> , 2007, 73, 9-13.	0.7	9
103	Nonlinear wave interaction and spin models in the magnetohydrodynamic regime. <i>New Journal of Physics</i> , 2011, 13, 083017.	1.2	9
104	Upper limits for frequency up-conversion in the nonlinear photon accelerator. <i>Physical Review A</i> , 1992, 46, R6178-R6180.	1.0	8
105	Nonlinear coupling between Alfvén and fast magnetosonic waves. <i>Journal of Plasma Physics</i> , 2003, 69, 183-185.	0.7	8
106	Cherenkov radiation in a photon gas. <i>New Journal of Physics</i> , 2005, 7, 70-70.	1.2	8
107	Nonlinear interactions between gravitational radiation and modified Alfvén modes in astrophysical dusty plasmas. <i>Physical Review D</i> , 2006, 74, .	1.6	8
108	Interaction between gravitational waves and plasma waves in the Vlasov description. <i>Journal of Plasma Physics</i> , 2010, 76, 345-353.	0.7	8

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109	The influence of temporal coherence on the dynamical Casimir effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2665-2669.	0.9	8
110	Parametric decay of whistler waves in electron magnetohydrodynamics. Physica Scripta, 2011, 83, 035503.	1.2	8
111	Proton acceleration by circularly polarized traveling electromagnetic wave. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	8
112	Three-wave coupling coefficients for a magnetized plasma. Physica Scripta, 2012, 85, 035504.	1.2	8
113	Nonlinear Resonant Absorption of Surface Magnetohydrodynamic Waves. Physical Review Letters, 1995, 74, 1994-1997.	2.9	7
114	Nonlinear self-interaction of plane gravitational waves. Physical Review D, 2003, 67, .	1.6	7
115	Harmonic generation of gravitational wave induced Alfvén waves. Physical Review D, 2008, 77, .	1.6	7
116	Exact analytic solutions for nonlinear waves in cold plasmas. Journal of Plasma Physics, 2008, 74, 569-573.	0.7	7
117	Particle-in-cell simulations of electron spin effects in plasmas. Journal of Plasma Physics, 2013, 79, 377-382.	0.7	7
118	Nonlinear wave damping due to multi-plasmon resonances. Plasma Physics and Controlled Fusion, 2018, 60, 025009.	0.9	7
119	Plasma dynamics and vacuum pair creation using the Dirac-Heisenberg-Wigner formalism. Physical Review E, 2021, 104, 015207.	0.8	7
120	Wave-particle interactions in quantum plasmas. Reviews of Modern Plasma Physics, 2022, 6, 1.	2.2	7
121	Graviton mediated photon-photon scattering in general relativity. Physical Review D, 2006, 74, .	1.6	6
122	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
123	Kinetic theory of fully degenerate electrons in the long scale limit. Physical Review E, 2013, 88, 023107.	0.8	6
124	Scalar Wigner theory for polarized light in nonlinear Kerr media. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1765.	0.9	6
125	Stimulated Brillouin scattering in magnetized plasmas. Journal of Plasma Physics, 2013, 79, 983-986.	0.7	6
126	Alfvén wave interactions within the Hall-MHD description. Journal of Plasma Physics, 2013, 79, 909-911.	0.7	6

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127	Evolution of the magnetic field generated by the Kelvin-Helmholtz instability. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	6
128	Three-wave interaction and Manley-Rowe relations in quantum hydrodynamics. <i>Journal of Plasma Physics</i> , 2014, 80, 643-652.	0.7	6
129	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
130	Weibel instability in relativistic quantum plasmas. <i>Physica Scripta</i> , 2015, 90, 088003.	1.2	6
131	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
132	Head-on collision of nonlinear solitary solutions to Vlasov-Poisson equations. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	6
133	Ultrafast electron holes in plasma phase space dynamics. <i>Scientific Reports</i> , 2021, 11, 16358.	1.6	6
134	The Nonlinear Low-Frequency Response in a Weakly Relativistic Plasma. <i>Physica Scripta</i> , 1999, T82, 95.	1.2	6
135	Landau damping of electron-acoustic waves due to multi-plasmon resonances. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	6
136	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
137	Nonlinear interaction between three kinetic Alfvén waves. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 353, 73-75.	0.9	5
138	On the parametric decay of waves in magnetized plasmas. <i>Journal of Plasma Physics</i> , 2009, 75, 9-13.	0.7	5
139	Linear theory of gravitational wave propagation in a magnetized, relativistic Vlasov plasma. <i>Physical Review D</i> , 2010, 82, .	1.6	5
140	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
141	Effect of collisions on the magnetization current in a plasma. <i>Journal of Plasma Physics</i> , 1993, 50, 325-330.	0.7	4
142	Photon-graviton pair conversion. <i>Classical and Quantum Gravity</i> , 2006, 23, L7-L13.	1.5	4
143	A new decay channel for compressional Alfvén waves in plasmas. <i>Journal of Plasma Physics</i> , 2008, 74, 99-105.	0.7	4
144	Wave Generation in a Warm Magnetized Multi-Component Plasma. <i>Contributions To Plasma Physics</i> , 2014, 54, 623-625.	0.5	4

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145	Kinetic theory for spin-1/2 particles in ultrastrong magnetic fields. <i>Physical Review E</i> , 2020, 102, 043203.	0.8	4
146	Interaction of Neutrinos and Gravitons with Plasmas in the Universe. <i>Physica Scripta</i> , 1999, T82, 130.	1.2	3
147	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
148	Dynamics of Radiation due to Vacuum Nonlinearities. <i>Physica Scripta</i> , 2004, T107, 239.	1.2	3
149	Three-wave coupling coefficients for a warm magnetized multicomponent plasma. <i>Physica Scripta</i> , 2007, 75, 216-218.	1.2	3
150	A new decay channel for upper-hybrid waves. <i>Physica Scripta</i> , 2016, 91, 104005.	1.2	3
151	Linear pair-creation damping of high-frequency plasma oscillation. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	3
152	Parametric instability of a large-amplitude circularly-polarized electromagnetic wave. <i>Plasma Physics and Controlled Fusion</i> , 1992, 34, 49-54.	0.9	2
153	Plane-fronted parallel waves in a warm two-component plasma. <i>Classical and Quantum Gravity</i> , 2001, 18, 5249-5255.	1.5	2
154	Self-phase modulation of spherical gravitational waves. <i>Physical Review D</i> , 2003, 68, .	1.6	2
155	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
156	Dusty spin plasmas. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	2
157	On the parametric decay of a circularly polarized wave. <i>Journal of Plasma Physics</i> , 2011, 77, 431-435.	0.7	2
158	Comment on "Terahertz wave generation by the upper hybrid wave" [Phys. Plasmas 18, 022304 (2011)]. <i>Physics of Plasmas</i> , 2011, 18, 074701.	0.7	2
159	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
160	Short-scale quantum kinetic theory including spin-orbit interactions. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	2
161	Amplification of nonlinear surface waves in an inhomogeneous transition layer. <i>Journal of Plasma Physics</i> , 1991, 46, 459-462.	0.7	1
162	Parametric Excitation of Electromagnetic Fields by two Pump Waves. <i>Contributions To Plasma Physics</i> , 1991, 31, 495-498.	0.5	1

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163	The radiating regime of Lagrangian frame two-plasmon decay. <i>Physics of Plasmas</i> , 1995, 2, 3266-3270.	0.7	1
164	Wave-kinetic description of nonlinear photons. <i>Journal of Plasma Physics</i> , 2005, 71, 527-533.	0.7	1
165	Parametric decay of whistler waves in electron magnetohydrodynamics. <i>Physica Scripta</i> , 2010, 83, 069801.	1.2	1
166	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
167	QUANTUM, SPIN AND QED EFFECTS IN PLASMAS. , 2008, , .		1
168	Nonlinear Resonant Wave Interaction in Vacuum. <i>Physica Scripta</i> , 2004, T107, 209.	1.2	1
169	Nonlinear wave interactions of kinetic sound waves. <i>Annales Geophysicae</i> , 2015, 33, 1007-1010.	0.6	1
170	Propagation of electromagnetically generated wake fields in inhomogeneous magnetized plasmas. <i>Journal of Plasma Physics</i> , 2002, 67, 339-351.	0.7	0
171	A Coupled System for Nonlinear Wave Propagation Combining Wake Field Generation with a Kerr-Nonlinearity. <i>Physica Scripta</i> , 2004, , 20.	1.2	0
172	Spin Kinetic Models of Plasmas – Semiclassical and Quantum Mechanical Theory. , 2009, , .		0
173	High Intensity Physics. , 2009, , .		0
174	Decay interactions involving two electrostatic waves and one arbitrary polarized wave in a magnetized plasma. , 2010, , .		0
175	Nonlinear quantum electrodynamics in vacuum and plasmas. , 2010, , .		0
176	Influence of strong field vacuum polarization on gravitational-electromagnetic wave interaction. <i>Physical Review D</i> , 2010, 82, .	1.6	0
177	Virtual issue to honour Lennart Stenflo on his 75th birthday. <i>Physica Scripta</i> , 2015, 90, 060303.	1.2	0
178	Scattering of electron holes in the context of ion-acoustic regime. <i>Physics of Plasmas</i> , 2019, 26, 034502.	0.7	0
179	Collapse of optical vacuum pulses due to QED nonlinearities. , 2002, , .		0
180	SPIN QUANTUM PLASMAS – NEW ASPECTS OF COLLECTIVE DYNAMICS. , 2008, , .		0