

Nathaniel Fisch

List of Publications by Year in descending order

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487
papers

13,684
citations

23697

58
h-index

38552

95
g-index

496
all docs

496
docs citations

496
times ranked

3326
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Generated Plasma Rotation in a Z-Pinch Implosion with Preembedded Axial Magnetic Field. Physical Review Letters, 2022, 128, 015001.	7.9	10
2	Velocity-space compression from Fermi acceleration with Lorentz scattering. Physical Review E, 2022, 105, 015207.	2.1	1
3	Collective plasma effects of electron-positron pairs in beam-driven QED cascades. Physics of Plasmas, 2022, 29, .	1.9	5
4	Super-resonant four-photon collinear laser frequency multiplication in plasma. Physical Review E, 2022, 105, 045207.	2.1	2
5	Production of high fluence laser beams using ion wave plasma optics. Applied Physics Letters, 2022, 120, 200501.	3.4	3
6	On the stabilisation of locked tearing modes in ITER and other large tokamaks. Nuclear Fusion, 2022, 62, 086044.	3.5	3
7	Momentum conservation in current drive and alpha-channeling-mediated rotation drive. Physics of Plasmas, 2022, 29, .	1.9	6
8	Observation of Self-Generated Plasma Rotation and its Effects in A Z-Pinch With Preembedded Axial Magnetic Field. , 2022, , .		0
9	Study of a Current Loss at A Z-Pinch Stagnation Due to Fast Current Redistribution. , 2022, , .		1
10	Particle deceleration for collective QED signatures. Physics of Plasmas, 2022, 29, .	1.9	4
11	Temperature screening and cross-field impurity accumulation from a thermodynamic perspective. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 447, 128298.	2.2	1
12	MITNS: Multiple-Ion Transport Numerical Solver for magnetized plasmas. Computer Physics Communications, 2021, 258, 107511.	7.6	5
13	Laser-driven plasma sources of intense, ultrafast, and coherent radiation. Physics of Plasmas, 2021, 28, .	1.9	10
14	Suppression of power losses during laser pulse propagation in underdense plasma slab. Physics of Plasmas, 2021, 28, 023112.	1.9	2
15	Plasma physics in strong-field regimes: Theories and simulations. Physics of Plasmas, 2021, 28, .	1.9	10
16	Disruption avoidance via radio frequency current condensation in magnetic islands produced by off-normal events. Physics of Plasmas, 2021, 28, .	1.9	4
17	Two-fluid model of rf current condensation in magnetic islands. Physics of Plasmas, 2021, 28, .	1.9	3
18	Modulation-slippage trade-off in resonant four-wave upconversion. Physics of Plasmas, 2021, 28, .	1.9	3

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19	Trace impurity transport in multi-species plasmas with large particle fluxes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 398, 127284.	2.2	2
20	Coupled heat pulse propagation in two-fluid plasmas. Physical Review E, 2021, 103, 053201.	2.1	0
21	Fusion yield of plasma with velocity-space anisotropy at constant energy. Physics of Plasmas, 2021, 28, .	1.9	6
22	Generalized impurity pinch in partially magnetized multi-ion plasma. Physics of Plasmas, 2021, 28, .	1.9	3
23	Natural hot-ion modes in a rotating plasma. Physical Review E, 2021, 104, 015209.	2.1	8
24	Nonresonant Diffusion in Alpha Channeling. Physical Review Letters, 2021, 127, 025003.	7.9	11
25	Signature of Collective Plasma Effects in Beam-Driven QED Cascades. Physical Review Letters, 2021, 127, 095001.	7.9	13
26	On the merit of hot ion mode for tearing mode stabilization. Physics of Plasmas, 2021, 28, 082509.	1.9	2
27	Generating optical supercontinuum and frequency comb in tenuous plasmas. Matter and Radiation at Extremes, 2021, 6, .	3.9	1
28	Wave-driven torques to drive current and rotation. Physics of Plasmas, 2021, 28, 102506.	1.9	6
29	Driving rotamak currents with minimal power dissipation. Physics of Plasmas, 2021, 28, 122504.	1.9	1
30	Finite-difference multiple fluid solution for source-driven rotation in highly magnetized linear plasma device. Physics of Plasmas, 2021, 28, .	1.9	2
31	Calculating RF current condensation with consistent ray-tracing and island heating. Physics of Plasmas, 2020, 27, .	1.9	5
32	Heat pump via charge incompressibility in a collisional magnetized multi-ion plasma. Physical Review E, 2020, 102, 013212.	2.1	6
33	Preferential turbulence enhancement in two-dimensional compressions. Physical Review E, 2020, 102, 053213.	2.1	2
34	Physics of E \times B discharges relevant to plasma propulsion and similar technologies. Physics of Plasmas, 2020, 27, .	1.9	89
35	Enhanced tuneable rotatory power in a rotating plasma. Physical Review E, 2020, 102, 051202.	2.1	7
36	Momentum-exchange current drive by electrostatic waves in an unmagnetized collisionless plasma. Physics of Plasmas, 2020, 27, .	1.9	5

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37	Pulsed RF schemes for tearing mode stabilization. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	11
38	Available energy from diffusive and reversible phase space rearrangements. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	6
39	Fluid model for the piezothermal effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126700.	2.2	2
40	Towards megajoule x-ray lasers via relativistic four-photon cascade in plasma. <i>Physical Review E</i> , 2020, 101, 023211.	2.1	8
41	Maximum-entropy states for magnetized ion transport. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126262.	2.2	5
42	RF current condensation in the presence of turbulent enhanced transport. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	9
43	Generation of localized lower-hybrid current drive by temperature perturbations. <i>Nuclear Fusion</i> , 2020, 60, 096027.	3.5	6
44	Resonant four-photon scattering of collinear laser pulses in plasma. <i>Physical Review E</i> , 2020, 102, 063207.	2.1	5
45	Optical phase conjugation in backward Raman amplification. <i>Optics Letters</i> , 2020, 45, 5254.	3.4	4
46	Magnetogenesis by Wave-driven Momentum Exchange. <i>Astrophysical Journal</i> , 2020, 905, 13.	4.6	5
47	Recovering Gardner restacking with purely diffusive operations. <i>Physical Review E</i> , 2020, 102, 063209.	2.1	6
48	Viscous dissipation in two-dimensional compression of turbulence. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	4
49	Amplification of mid-infrared lasers via backscattering in magnetized plasmas. <i>Physics of Plasmas</i> , 2019, 26, 072114.	1.9	4
50	Radiation in equilibrium with plasma and plasma effects on cosmic microwave background. <i>Physical Review E</i> , 2019, 100, 023202.	2.1	13
51	Spectral Manipulation of Raman Amplifiers. <i>Journal of Physics: Conference Series</i> , 2019, 1206, 012015.	0.4	0
52	Laser Amplification in Strongly Magnetized Plasma. <i>Physical Review Letters</i> , 2019, 123, 025001.	7.9	27
53	Determining the rotation direction in pulsars. <i>Nature Communications</i> , 2019, 10, 3232.	13.0	15
54	Understanding turbulence in compressing plasma as a quasi-EOS. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	5

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55	Radial current and rotation profile tailoring in highly ionized linear plasma devices. Physics of Plasmas, 2019, 26, .	1.9	16
56	Laser frequency upconversion in plasmas with finite ionization rates. Physics of Plasmas, 2019, 26, .	1.9	7
57	RF current condensation in magnetic islands and associated hysteresis phenomena. Physics of Plasmas, 2019, 26, .	1.9	10
58	Creating localized plasma waves by ionization of doped semiconductors. Physical Review E, 2019, 99, 063201.	2.1	2
59	$E \times B$ configurations for high-throughput plasma mass separation: An outlook on possibilities and challenges. Physics of Plasmas, 2019, 26, .	1.9	26
60	Current channel evolution in ideal Z pinch for general velocity profiles. Physics of Plasmas, 2019, 26, .	1.9	5
61	A necessary condition for perpendicular electric field control in magnetized plasmas. Physics of Plasmas, 2019, 26, .	1.9	11
62	Nonlinear ohmic dissipation in axisymmetric DC and RF driven rotating plasmas. Physics of Plasmas, 2019, 26, .	1.9	20
63	Plasma optics for intense laser amplification. , 2019, , .		0
64	Opportunities for plasma separation techniques in rare earth elements recycling. Journal of Cleaner Production, 2018, 182, 1060-1069.	9.4	38
65	Bulk hydrodynamic stability and turbulent saturation in compressing hot spots. Physics of Plasmas, 2018, 25, .	1.9	8
66	Transition between inverse and direct energy cascades in multiscale optical turbulence. Physical Review E, 2018, 97, 032202.	2.1	5
67	Strategies for advantageous differential transport of ions in magnetic fusion devices. Physics of Plasmas, 2018, 25, .	1.9	16
68	Turbulent stagnation in a Z -pinch plasma. Physical Review E, 2018, 97, 013202.	2.1	23
69	Laser-plasma interactions in magnetized environment. Physics of Plasmas, 2018, 25, .	1.9	22
70	Multifrequency Raman amplifiers. Physical Review E, 2018, 97, 033201.	2.1	8
71	Harnessing mass differential confinement effects in magnetized rotating plasmas to address new separation needs. Plasma Physics and Controlled Fusion, 2018, 60, 014018.	2.1	18
72	Backward Raman compression in plasma under nonlinear detuning at plasma wave-breaking threshold. , 2018, , .		0

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73	Anisotropy-driven collisional separation of impurities in magnetized compressing and expanding cylindrical plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	8
74	Suppression of Tearing Modes by Radio Frequency Current Condensation. <i>Physical Review Letters</i> , 2018, 121, 225001.	7.9	25
75	Favorable Collisional Demixing of Ash and Fuel in Magnetized Inertial Fusion. <i>Physical Review Letters</i> , 2018, 121, 235002.	7.9	9
76	Plasma mass separation. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	49
77	Simulations of relativistic quantum plasmas using real-time lattice scalar QED. <i>Physical Review E</i> , 2018, 97, 053206.	2.1	21
78	Influence of nonlinear detuning at plasma wavebreaking threshold on backward Raman compression of non-relativistic laser pulses. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	9
79	Cumulative displacement induced by a magnetosonic soliton bouncing in a bounded plasma slab. <i>Physics of Plasmas</i> , 2018, 25, 062118.	1.9	3
80	Cascaded chirped photon acceleration for efficient frequency conversion. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	13
81	Theory of electromagnetic wave frequency upconversion in dynamic media. <i>Physical Review E</i> , 2018, 98, 023202.	2.1	27
82	On extreme points of the diffusion polytope. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 473, 225-236.	2.6	5
83	Radiative transfer dynamo effect. <i>Physical Review E</i> , 2017, 95, 013205.	2.1	5
84	Laser-pulse compression using magnetized plasmas. <i>Physical Review E</i> , 2017, 95, 023211.	2.1	24
85	Compressibility and heat capacity of rotating plasma. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	7
86	A Lower Bound on Adiabatic Heating of Compressed Turbulence for Simulation and Model Validation. <i>Astrophysical Journal</i> , 2017, 838, 118.	4.6	9
87	Role of Magnetosonic Solitons in Perpendicular Collisionless Shock Reformation. <i>Physical Review Letters</i> , 2017, 118, 125101.	7.9	14
88	Heat pump model for Ranque-Hilsch vortex tubes. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 771-777.	4.9	23
89	X-ray amplification by stimulated Brillouin scattering. <i>Physical Review E</i> , 2017, 96, 023209.	2.1	14
90	Drift and separation in collisionality gradients. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	5

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91	Collisional considerations in axial-collection plasma mass filters. Physics of Plasmas, 2017, 24, .	1.9	13
92	Particle orbits in a force-balanced, wave-driven, rotating torus. Physics of Plasmas, 2017, 24, 092513.	1.9	13
93	Centrifugal instability in the regime of fast rotation. Physics of Plasmas, 2017, 24, .	1.9	13
94	Plasma Wave Seed for Raman Amplifiers. Physical Review Letters, 2017, 118, 164801.	7.9	21
95	Kinetic simulations of laser parametric amplification in magnetized plasmas. Physics of Plasmas, 2017, 24, 093103.	1.9	15
96	Plasma q -plate for generation and manipulation of intense optical vortices. Physical Review E, 2017, 96, 053207.	2.1	35
97	Inverse Bremsstrahlung current drive. Physical Review E, 2017, 96, 053211.	2.1	5
98	Efficiency of wave-driven rigid body rotation toroidal confinement. Physics of Plasmas, 2017, 24, .	1.9	22
99	Beam cleaning of an incoherent laser via plasma Raman amplification. Physics of Plasmas, 2017, 24, .	1.9	16
100	Laser pulse sharpening with electromagnetically induced transparency in plasma. Physics of Plasmas, 2017, 24, .	1.9	3
101	Kinetic simulations of ladder climbing by electron plasma waves. Physical Review E, 2017, 95, 053212.	2.1	21
102	Modeling turbulent energy behavior and sudden viscous dissipation in compressing plasma turbulence. Physics of Plasmas, 2017, 24, .	1.9	13
103	Three-wave scattering in magnetized plasmas: From cold fluid to quantized Lagrangian. Physical Review E, 2017, 96, 023204.	2.1	12
104	Parametric X-Ray Amplification in Plasmas. , 2017, , .		0
105	Maximum time-dependent space-charge limited diode currents. Physics of Plasmas, 2016, 23, .	1.9	16
106	Practicality of magnetic compression for plasma density control. Physics of Plasmas, 2016, 23, .	1.9	5
107	Electron energy enhancement by frequency chirp of a radially polarized laser pulse during ionization of low-density gases. Plasma Physics and Controlled Fusion, 2016, 58, 115011.	2.1	2
108	Backward Raman amplification of broad-band pulses. Physics of Plasmas, 2016, 23, 083115.	1.9	12

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109	Compressing turbulence and sudden viscous dissipation with compression-dependent ionization state. <i>Physical Review E</i> , 2016, 94, 053206.	2.1	18
110	Reducing parametric backscattering by polarization rotation. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	27
111	Distinguishing Raman from strongly coupled Brillouin amplification for short pulses. <i>Physics of Plasmas</i> , 2016, 23, 053118.	1.9	24
112	Short-pulse amplification by strongly coupled stimulated Brillouin scattering. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	31
113	Initial experimental test of a helicon plasma based mass filter. <i>Plasma Sources Science and Technology</i> , 2016, 25, 035024.	3.1	24
114	Density waves in a system of non-interacting particles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3061-3066.	2.2	2
115	Effective-action approach to wave propagation in scalar QED plasmas. <i>Physical Review A</i> , 2016, 94, .	2.5	17
116	Extended Propagation of Powerful Laser Pulses in Focusing Kerr Media. <i>Physical Review Letters</i> , 2016, 117, 133901.	7.9	12
117	Beyond nonlinear saturation of backward Raman amplifiers. <i>Physical Review E</i> , 2016, 93, 063210.	2.1	17
118	Sudden Viscous Dissipation of Compressing Turbulence. <i>Physical Review Letters</i> , 2016, 116, 105004.	7.9	33
119	Strongly Enhanced Stimulated Brillouin Backscattering in an Electron-Positron Plasma. <i>Physical Review Letters</i> , 2016, 116, 015004.	7.9	33
120	Piezothermal effect in a spinning gas. <i>Physical Review E</i> , 2016, 94, 042113.	2.1	8
121	Pushing Particles with Waves: Current Drive and \pm -Channeling. <i>Plasma and Fusion Research</i> , 2016, 11, 2101010-2101010.	0.7	2
122	Trapped-electron runaway effect. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	4
123	Ladder Climbing and Autoresonant Acceleration of Plasma Waves. <i>Physical Review Letters</i> , 2015, 115, 075001.	7.9	11
124	Alpha channeling with high-field launch of lower hybrid waves. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	20
125	Ignition threshold for non-Maxwellian plasmas. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	13
126	The efficiency of Raman amplification in the wavebreaking regime. <i>Physics of Plasmas</i> , 2015, 22, 074501.	1.9	37

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127	The alpha channeling effect. AIP Conference Proceedings, 2015, , .	0.4	12
128	Verification of nonlinear particle simulation of radio frequency waves in tokamak. Physics of Plasmas, 2015, 22, .	1.9	19
129	Breakdown of the Brillouin limit and classical fluxes in rotating collisional plasmas. Physics of Plasmas, 2015, 22, .	1.9	13
130	Maximal energy extraction under discrete diffusive exchange. Physics of Plasmas, 2015, 22, .	1.9	10
131	Plasma filtering techniques for nuclear waste remediation. Journal of Hazardous Materials, 2015, 297, 153-159.	12.5	35
132	High intensity regimes for resonant Raman compression. , 2015, , .		0
133	Coupling of alpha channeling to parallel wavenumber upshift in lower hybrid current drive. Physics of Plasmas, 2015, 22, .	1.9	21
134	Exceeding the leading spike intensity and fluence limits in backward Raman amplifiers. Physical Review E, 2014, 90, 063110.	2.1	20
135	Backward Raman amplification in the Langmuir wavebreaking regime. Physics of Plasmas, 2014, 21, 113110.	1.9	48
136	On the nature of kinetic electrostatic electron nonlinear (KEEN) waves. Physics of Plasmas, 2014, 21, 034501.	1.9	6
137	ARE PERYTONS SIGNATURES OF BALL LIGHTNING?. Astrophysical Journal, 2014, 794, 98.	4.6	3
138	The double well mass filter. Physics of Plasmas, 2014, 21, 020701.	1.9	27
139	Enhanced efficiency of internal combustion engines by employing spinning gas. Physical Review E, 2014, 90, 022139.	2.1	4
140	Saturation of the leading spike growth in backward Raman amplifiers. Physics of Plasmas, 2014, 21, 093112.	1.9	25
141	What is the fate of runaway positrons in tokamaks?. Physics of Plasmas, 2014, 21, .	1.9	14
142	Cross-field plasma lens for focusing of the Hall thruster plume. Plasma Sources Science and Technology, 2014, 23, 044005.	3.1	13
143	Fusion utility in the Knudsen layer. Physics of Plasmas, 2014, 21, 092114.	1.9	12
144	Aerodynamic focusing of high-density aerosols. Journal of Aerosol Science, 2014, 76, 115-125.	3.9	3

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145	Plasma mass filtering for separation of actinides from lanthanides. Plasma Sources Science and Technology, 2014, 23, 035002.	3.1	31
146	Ponderomotive Forces on Waves in Modulated Media. Physical Review Letters, 2014, 112, .	7.9	16
147	Key plasma parameters for resonant backward Raman amplification in plasma. European Physical Journal: Special Topics, 2014, 223, 1157-1167.	2.6	48
148	Some Unsolved Challenges In Radio-Frequency Heating and Current Drive. Fusion Science and Technology, 2014, 65, 79-87.	1.1	4
149	Methods of Radio-Frequency Current Drive. Fusion Science and Technology, 2014, 65, 1-9.	1.1	3
150	On plasma rotation induced by waves in tokamaks. Physics of Plasmas, 2013, 20, .	1.9	7
151	Geometrical Optics of Dense Aerosols: Forming Dense Plasma Slabs. Physical Review Letters, 2013, 111, 188301.	7.9	4
152	On the toroidal plasma rotations induced by lower hybrid waves. Physics of Plasmas, 2013, 20, .	1.9	15
153	New wave effects in nonstationary plasma. Physics of Plasmas, 2013, 20, 056302.	1.9	1
154	Parallel rf Force Driven by the Inhomogeneity of Power Absorption in Magnetized Plasma. Physical Review Letters, 2013, 110, 235004.	7.9	8
155	Comment on "Three-dimensional numerical investigation of electron transport with rotating spoke in a cylindrical anode layer Hall plasma accelerator" [Phys. Plasmas 19, 073519 (2012)]. Physics of Plasmas, 2013, 20, 014701.	1.9	1
156	Rigid-body rotation of an electron cloud in divergent magnetic fields. Physics of Plasmas, 2013, 20, .	1.9	3
157	Tendency of a rotating electron plasma to approach the Brillouin limit. Physics of Plasmas, 2013, 20, .	1.9	6
158	Effects of LHRF on toroidal rotation in Alcator C-Mod plasmas. Nuclear Fusion, 2013, 53, 093015.	3.5	16
159	Negative-Mass Instability in Nonlinear Plasma Waves. Physical Review Letters, 2013, 110, 215006.	7.9	20
160	Nonlinear Amplification and Decay of Phase-Mixed Waves in Compressing Plasma. Physical Review Letters, 2013, 110, 055001.	7.9	14
161	Reduced Compressibility and an Inverse Problem for a Spinning Gas. Physical Review Letters, 2013, 110, 150604.	7.9	18
162	Practicality of a plasma mass filter for nuclear fuel reprocessing: Separating lanthanides from actinides. , 2013, , .		0

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163	Practicality of a plasma mass filter for nuclear fuel reprocessing: Separating lanthanides from actinides. , 2013, , .		0
164	Amended conjecture on an upper bound to time-dependent space-charge limited current. Physics of Plasmas, 2012, 19, .	1.9	18
165	Current ramp-up with lower hybrid current drive in EAST. Physics of Plasmas, 2012, 19, 122507.	1.9	10
166	Comparisons between nonlinear kinetic modelings of simulated Raman scattering using envelope equations. Physics of Plasmas, 2012, 19, 013110.	1.9	20
167	Laser duration and intensity limits in plasma backward Raman amplifiers. Physics of Plasmas, 2012, 19, 023109.	1.9	21
168	Particle deconfinement in a bent magnetic mirror. Physics of Plasmas, 2012, 19, .	1.9	9
169	Adiabatic nonlinear waves with trapped particles. III. Wave dynamics. Physics of Plasmas, 2012, 19, .	1.9	17
170	Elementary processes underlying alpha channeling in tokamaks. AIP Conference Proceedings, 2012, , .	0.4	6
171	Rotating spoke phenomena in hall thrusters. , 2012, , .		0
172	Driving Sudden Current and Voltage in Expanding and Compressing Plasma. Physical Review Letters, 2012, 108, 215003.	7.9	7
173	Axiomatic geometrical optics, Abraham-Minkowski controversy, and photon properties derived classically. Physical Review A, 2012, 86, .	2.5	50
174	Plasma-Based Accelerator with Magnetic Compression. Physical Review Letters, 2012, 109, 255003.	7.9	7
175	Seed Laser Chirping for Enhanced Backward Raman Amplification in Plasmas. Physical Review Letters, 2012, 109, 085003.	7.9	47
176	Practical considerations in realizing a magnetic centrifugal mass filter. Physics of Plasmas, 2012, 19, .	1.9	21
177	Cross-field electron transport induced by a rotating spoke in a cylindrical Hall thruster. Physics of Plasmas, 2012, 19, .	1.9	125
178	Geometrical constraints on plasma couplers for Raman compression. Physics of Plasmas, 2012, 19, .	1.9	20
179	Adiabatic nonlinear waves with trapped particles. I. General formalism. Physics of Plasmas, 2012, 19, .	1.9	22
180	Adiabatic nonlinear waves with trapped particles. II. Wave dispersion. Physics of Plasmas, 2012, 19, .	1.9	13

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181	Feedback control of an azimuthal oscillation in the $E \times B$ discharge of Hall thrusters. Physics of Plasmas, 2012, 19, .	1.9	25
182	Applying alpha-channeling to mirror machines. Physics of Plasmas, 2012, 19, .	1.9	3
183	Enhancement of fusion rates due to quantum effects in the particles momentum distribution in nonideal plasma media. European Physical Journal D, 2012, 66, 1.	1.3	11
184	Exawatt-Zettawatt pulse generation and applications. Optics Communications, 2012, 285, 720-724.	2.2	125
185	A comparison of emissive probe techniques for electric potential measurements in a complex plasma. , 2011, , .		0
186	New Wave Effects in Compressing Plasma. IEEE Transactions on Plasma Science, 2011, 39, 2490-2491.	1.3	1
187	Fast Camera Imaging of Hall Thruster Ignition. IEEE Transactions on Plasma Science, 2011, 39, 2950-2951.	1.3	32
188	A comparison of emissive probe techniques for electric potential measurements in a complex plasma. Physics of Plasmas, 2011, 18, .	1.9	104
189	Effect of Secondary Electron Emission on Electron Cross-Field Current in $E \times B$ Discharges. IEEE Transactions on Plasma Science, 2011, 39, 995-1006.	1.3	72
190	Wave-Driven Rotation in Centrifugal Mirrors. Fusion Science and Technology, 2011, 59, 136-139.	1.1	0
191	Evolution of nonlinear waves in compressing plasma. Physics of Plasmas, 2011, 18, 042103.	1.9	13
192	A Hamiltonian model of dissipative wave-particle interactions and the negative-mass effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1236-1241.	2.2	4
193	Nonlinear Dispersion of Stationary Waves in Collisionless Plasmas. Physical Review Letters, 2011, 107, 035005.	7.9	19
194	Simulation of Alpha Particles in Rotating Plasma Interacting With a Stationary Ripple. IEEE Transactions on Plasma Science, 2011, 39, 2948-2949.	1.3	1
195	Channeling of Fusion Alpha-Particle Power Using Minority Ion Catalysis. Physical Review Letters, 2011, 107, 175001.	7.9	7
196	Limiting effects on laser compression by resonant backward Raman scattering in modern experiments. Physics of Plasmas, 2011, 18, 056711.	1.9	63
197	Ion acceleration in supersonically rotating magnetized-electron plasma. Plasma Physics and Controlled Fusion, 2011, 53, 124038.	2.1	33
198	Observation of amplification of light by Langmuir waves and its saturation on the electron kinetic timescale. Journal of Plasma Physics, 2011, 77, 521-528.	2.1	24

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199	Evolution of the bump-on-tail instability in compressing plasma. Journal of Plasma Physics, 2011, 77, 629-638.	2.1	5
200	Cathode Effects on Operation and Plasma Plume of the Permanent Magnet Cylindrical Hall Thruster. , 2011, , .		0
201	Multi-beam effects on backscatter and its saturation in experiments with conditions relevant to ignition. Physics of Plasmas, 2011, 18, .	1.9	38
202	Metrics for comparing plasma mass filters. Physics of Plasmas, 2011, 18, .	1.9	15
203	Radial electric field generated by resonant trapped electron pinch with radio frequency injection in a tokamak plasma. Physics of Plasmas, 2011, 18, 082507.	1.9	10
204	Wave-particle interactions in rotating mirrors. Physics of Plasmas, 2011, 18, 055704.	1.9	8
205	Numerical modeling of quasitransient backward Raman amplification of laser pulses in moderately undercritical plasmas with multicharged ions. Physics of Plasmas, 2011, 18, 102311.	1.9	29
206	The magnetic centrifugal mass filter. Physics of Plasmas, 2011, 18, .	1.9	64
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208	Wave-Driven Rotation in Supersonically Rotating Mirrors. Fusion Science and Technology, 2010, 57, 343-350.	1.1	10
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