

Andrei I Smolyakov

List of Publications by Year in descending order

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173
papers

4,048
citations

109137

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55
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178
all docs

178
docs citations

178
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	Geodesic acoustic modes in magnetic confinement devices. Nuclear Fusion, 2022, 62, 013001.	1.6	46
2	Nonlinear regimes of the electron cyclotron drift instability in Vlasov simulations. Physics of Plasmas, 2022, 29, .	0.7	8
3	Ion temperature effects on plasma flow in the magnetic mirror configuration. Physics of Plasmas, 2022, 29, 052507.	0.7	2
4	Drift waves enstrophy, zonal flow, and nonlinear evolution of the modulational instability. Physics of Plasmas, 2021, 28, 010702.	0.7	3
5	Backward waves in the nonlinear regime of the Buneman instability. Physics of Plasmas, 2021, 28, .	0.7	6
6	Studies of a modulated Hall thruster. Plasma Sources Science and Technology, 2021, 30, 055011.	1.3	8
7	On the mechanism of ionization oscillations in Hall thrusters. Journal of Applied Physics, 2021, 129, .	1.1	17
8	Restructuring of rotating spokes in response to changes in the radial electric field and the neutral pressure of a cylindrical magnetron plasma. Journal of Applied Physics, 2021, 129, .	1.1	7
9	On quasineutral plasma flow in the magnetic nozzle. Physics of Plasmas, 2021, 28, 060701.	0.7	5
10	2D radial-azimuthal particle-in-cell benchmark for E \times B discharges. Plasma Sources Science and Technology, 2021, 30, 075002.	1.3	44
11	The role of noise in PIC and Vlasov simulations of the Buneman instability. Physics of Plasmas, 2021, 28, .	0.7	6
12	Influence of flow shear on localized Rayleigh–Taylor and resistive drift wave instabilities. Contributions To Plasma Physics, 2020, 60, e201900098.	0.5	1
13	Global ITG eigenmodes: From ballooning angle and radial shift to Reynolds stress and nonlinear saturation. Physics of Plasmas, 2020, 27, .	0.7	3
14	Self-acceleration and energy channeling in the saturation of the ion-sound instability in a bounded plasma. Physics of Plasmas, 2020, 27, 080702.	0.7	2
15	Application of Hall Thrusters with Modulated Oscillations. , 2020, , .		2
16	Physics of E \times B discharges relevant to plasma propulsion and similar technologies. Physics of Plasmas, 2020, 27, .	0.7	89
17	Anomalous Electron Transport in One-Dimensional Electron Cyclotron Drift Turbulence. Plasma Physics Reports, 2020, 46, 496-505.	0.3	13
18	Different responses of the Rayleigh–Taylor type and resistive drift wave instabilities to the velocity shear. Physics of Plasmas, 2020, 27, .	0.7	9

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19	Mode transitions in nonlinear evolution of the electron drift instability in a 2D annular $E\hat{\alpha}-B$ system. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	13
20	Stability of Ion Flow and Role of Boundary Conditions in a Simplified Model of the $E\hat{\alpha}-B$ Plasma Accelerator with a Uniform Electron Mobility. <i>Plasma Physics Reports</i> , 2020, 46, 363-373.	0.3	3
21	Anomalous Cross-Field Transport in Edge Plasma. <i>Springer Series in Plasma Science and Technology</i> , 2020, , 139-200.	0.1	0
22	Theory and Modelling of Axial Mode Oscillations in Hall Thruster. , 2019, , .		6
23	2D axial-azimuthal particle-in-cell benchmark for low-temperature partially magnetized plasmas. <i>Plasma Sources Science and Technology</i> , 2019, 28, 105010.	1.3	72
24	Hall thruster with externally driven oscillations. , 2019, , .		1
25	Self-Organization, Structures, and Anomalous Transport in Turbulent Partially Magnetized Plasmas with Crossed Electric and Magnetic Fields. <i>Physical Review Letters</i> , 2019, 122, 185001.	2.9	21
26	Boundary-induced effect on the spoke-like activity in $E\hat{\alpha}-B$ plasma. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	17
27	Control of Coherent Structures via External Drive of the Breathing Mode. <i>Plasma Physics Reports</i> , 2019, 45, 134-146.	0.3	12
28	Gyro-kinetic theory and global simulations of the collisionless tearing instability: The impact of trapped particles through the magnetic field curvature. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	4
29	Gradient-drift instability applied to Hall thrusters. <i>Plasma Sources Science and Technology</i> , 2019, 28, 015002.	1.3	15
30	On limitations of laser-induced fluorescence diagnostics for xenon ion velocity distribution function measurements in Hall thrusters. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	21
31	Marginal stability, characteristic frequencies, and growth rates of gradient drift modes in partially magnetized plasmas with finite electron temperature. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	11
32	Current flow instability and nonlinear structures in dissipative two-fluid plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	21
33	Effects of finite electron temperature on gradient drift instabilities in partially magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	23
34	Nonlinear structures and anomalous transport in partially magnetized $E\hat{\alpha}-B$ plasmas. <i>Physics of Plasmas</i> , 2018, 25, 011608.	0.7	62
35	Plasmon resonances, anomalous transparency, and reflectionless absorption in overdense plasmas. <i>Physics of Plasmas</i> , 2018, 25, 031904.	0.7	5
36	Modification of the Simon-Hoh Instability by the sheath effects in partially magnetized $E\hat{\alpha}-B$ plasmas. <i>Physics of Plasmas</i> , 2018, 25, 084505.	0.7	7

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37	Hall thruster operation with externally driven breathing mode oscillations. Plasma Sources Science and Technology, 2018, 27, 094006.	1.3	20
38	Nonlinear structures of lower-hybrid waves driven by the ion beam. Physics of Plasmas, 2018, 25, .	0.7	7
39	Preface to Special Topic: Modern issues and applications of $E \times B$ plasmas. Physics of Plasmas, 2018, 25, 061001.	0.7	10
40	Scaling of spoke rotation frequency within a Penning discharge. Physics of Plasmas, 2018, 25, .	0.7	35
41	Interchange destabilization of collisionless tearing modes by temperature gradient. Physics of Plasmas, 2018, 25, .	0.7	4
42	Tornado model for a magnetised plasma. Physics of Plasmas, 2018, 25, .	0.7	7
43	Particle-in-cell simulations of anomalous transport in a Penning discharge. Physics of Plasmas, 2018, 25, .	0.7	24
44	Evolution of the electron cyclotron drift instability in two-dimensions. Physics of Plasmas, 2018, 25, .	0.7	57
45	Electromagnetic electron temperature gradient driven instability in toroidal plasmas. Physics of Plasmas, 2017, 24, 024501.	0.7	10
46	Fluid theory and simulations of instabilities, turbulent transport and coherent structures in partially-magnetized plasmas of $\mathbf{E} \times \mathbf{B}$ discharges. Plasma Physics and Controlled Fusion, 2017, 59, 014041.	0.9	83
47	Guest Editorial Special Issue on Invited and Tutorial Papers From ICOPS 2016. IEEE Transactions on Plasma Science, 2017, 45, 525-526.	0.6	0
48	On the electron drift velocity in plasma devices with $E \times B$ drift. Journal of Applied Physics, 2016, 119, 243306.	1.1	12
49	Nonlinear excitation of long-wavelength modes in Hall plasmas. Physics of Plasmas, 2016, 23, .	0.7	9
50	Structure of nonlocal gradient-drift instabilities in Hall $E \times B$ discharges. Physics of Plasmas, 2016, 23, .	0.7	22
51	Comment on "The universal instability in general geometry" [Phys. Plasmas 22, 090706 (2015)]. Physics of Plasmas, 2016, 23, 114702.	0.7	1
52	Current convective instability in detached divertor plasma. Physics of Plasmas, 2016, 23, 092505.	0.7	15
53	Nonlinear damping of zonal flows. Plasma Physics Reports, 2016, 42, 769-772.	0.3	1
54	On the dispersion of geodesic acoustic modes. Plasma Physics Reports, 2016, 42, 407-417.	0.3	13

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55	Drift and geodesic effects on the ion sound eigenmode in tokamak plasmas. Plasma Physics Reports, 2016, 42, 424-429.	0.3	4
56	Nonlinear equation for Farley-Buneman waves in multispecies plasma. Plasma Physics Reports, 2016, 42, 400-406.	0.3	1
57	Nonlinear spreading of Farley-Buneman waves. Physics of Plasmas, 2015, 22, .	0.7	1
58	Multiscale equatorial electrojet turbulence: Baseline α model. Journal of Geophysical Research: Space Physics, 2015, 120, 1460-1477.	0.8	9
59	Ion sound instability driven by the ion flows. Physics of Plasmas, 2015, 22, 052113.	0.7	15
60	Radial homogeneity of geodesic acoustic modes in ohmic discharges with low B in the T-10 tokamak. JETP Letters, 2015, 100, 555-560.	0.4	21
61	Rolls of the internal gravity waves in the Earth's atmosphere. Annales Geophysicae, 2014, 32, 181-186.	0.6	10
62	Saturation of magnetic islands in equilibria with a finite current gradient. Part I: asymptotic theory. Plasma Physics and Controlled Fusion, 2014, 56, 125004.	0.9	4
63	Saturation of magnetic islands in equilibria with a finite current gradient. Part II: numerical simulations. Plasma Physics and Controlled Fusion, 2014, 56, 125005.	0.9	5
64	Electromagnetic effects on geodesic acoustic modes. Physics of Plasmas, 2014, 21, .	0.7	15
65	Wall current closure effects on plasma and sheath fluctuations in Hall thrusters. Physics of Plasmas, 2014, 21, .	0.7	6
66	Global geodesic acoustic mode in a tokamak with positive magnetic shear and a monotonic temperature profile. Plasma Physics and Controlled Fusion, 2014, 56, 035001.	0.9	18
67	Dynamics of magnetic islands in large β regimes. Physics of Plasmas, 2014, 21, 020705.	0.7	11
68	Long wavelength gradient drift instability in Hall plasma devices. II. Applications. Physics of Plasmas, 2013, 20, 052108.	0.7	34
69	Steele-Induced Instabilities in Plasmas with $\mathbf{E} \times \mathbf{B} - \mathbf{v} \times \mathbf{B}$ Drift. Physical Review Letters, 2013, 111, 115002.	2.9	35
70	Second harmonic effect on geodesic modes in tokamak plasmas. Physics of Plasmas, 2013, 20, .	0.7	11
71	Turbulent acceleration and heating in toroidal magnetized plasmas. Physics of Plasmas, 2013, 20, .	0.7	30
72	Global current profile effects on the evolution and saturation of magnetic islands. Physics of Plasmas, 2013, 20, .	0.7	13

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73	Higher order and asymmetry effects on saturation of magnetic islands. Physics of Plasmas, 2013, 20, .	0.7	15
74	Screening of resonant magnetic perturbations by flows in tokamaks. Nuclear Fusion, 2012, 52, 054003.	1.6	106
75	Long wavelength gradient drift instability in Hall plasma devices. I. Fluid theory. Physics of Plasmas, 2012, 19, .	0.7	66
76	Geodesic acoustic modes and zonal flows in rotating large-aspect-ratio tokamak plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 065008.	0.9	15
77	Non-local energy transport in tunneling and plasmonic structures. Optics Express, 2011, 19, 15281.	1.7	5
78	Effect of Secondary Electron Emission on Electron Cross-Field Current in E imes B Discharges. IEEE Transactions on Plasma Science, 2011, 39, 995-1006.	0.6	72
79	Turbulence simulations of barrier relaxations and transport in the presence of magnetic islands at the tokamak edge. Plasma Physics and Controlled Fusion, 2011, 53, 054003.	0.9	10
80	Parallel momentum balance and toroidal rotation in a tokamak. , 2011, , .		4
81	Equilibrium magnetohydrodynamic flows of liquid metals in magnetorotational instability experiments. Journal of Fluid Mechanics, 2010, 644, 257-280.	1.4	22
82	RESONANT MODES AND RESONANT TRANSMISSION IN MULTI-LAYER STRUCTURES. Progress in Electromagnetics Research, 2010, 107, 293-314.	1.6	17
83	Kinetic theory of electromagnetic plane wave obliquely incident on bounded plasma slab. Physics of Plasmas, 2010, 17, .	0.7	13
84	Drift kinetic equation in the moving reference frame and reduced magnetohydrodynamic equations. Physics of Plasmas, 2010, 17, .	0.7	9
85	Entropy production rate in tokamaks with nonaxisymmetric magnetic fields. Physics of Plasmas, 2010, 17, 072505.	0.7	25
86	Study of Alfvén Eigenmodes in the TJ-II Stellarator. Plasma and Fusion Research, 2010, 5, S2019-S2019.	0.3	16
87	RESONANT TRANSPARENCY OF A THREE-LAYER STRUCTURE CONTAINING THE DENSE PLASMA REGION. Progress in Electromagnetics Research, 2009, 99, 37-52.	1.6	10
88	Breakdown of a Space Charge Limited Regime of a Sheath in a Weakly Collisional Plasma Bounded by Walls with Secondary Electron Emission. Physical Review Letters, 2009, 103, 145004.	2.9	88
89	Zonal stability of geodesic acoustic modes in a tokamak. Plasma Physics and Controlled Fusion, 2009, 51, 075010.	0.9	6
90	The instability of rotating plasmas in the azimuthal magnetic field. Doklady Physics, 2009, 54, 6-9.	0.2	0

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91	Large-scale oscillations in a Tokamak due to strong plasma temperature gradient. Doklady Physics, 2009, 54, 525-528.	0.2	2
92	Effects of finite heat conductivity on instabilities in a rotating plasma. Plasma Physics Reports, 2009, 35, 658-667.	0.3	4
93	A comparative study of the filamentation and Weibel instabilities and their cumulative effect. II. Weakly relativistic beams. Journal of Plasma Physics, 2009, 75, 529-543.	0.7	8
94	A comparative study of the filamentation and Weibel instabilities and their cumulative effect. I. Non-relativistic theory. Journal of Plasma Physics, 2009, 75, 19-33.	0.7	17
95	Self-excited surface plasmon-polaritons at the interface of counterstreaming plasmas. Physics of Plasmas, 2009, 16, 052102.	0.7	7
96	Resonant Transmission of Electromagnetic Waves in Multilayer Dense-Plasma Structures. IEEE Transactions on Plasma Science, 2009, 37, 1251-1260.	0.6	29
97	Nonlinear skin effect in a collisionless plasma. Physics of Plasmas, 2009, 16, 080704.	0.7	13
98	Ideal internal kink modes in a differentially rotating cylindrical plasma. Plasma Physics Reports, 2008, 34, 538-546.	0.3	4
99	Kinetic theory of electromagnetic geodesic acoustic modes. Plasma Physics and Controlled Fusion, 2008, 50, 115008.	0.9	49
100	Variational derivation of the dispersion relation of kinetic coherent modes in the acoustic frequency range in tokamaks. Physics of Plasmas, 2008, 15, .	0.7	41
101	Electron kinetic effects and beam related instabilities in Hall thrusters. , 2008, , .		2
102	Blob dynamics in an inhomogeneous plasma. Physics of Plasmas, 2008, 15, .	0.7	12
103	Plasma-sheath instability in Hall thrusters due to periodic modulation of the energy of secondary electrons in cyclotron motion. Physics of Plasmas, 2008, 15, .	0.7	52
104	Generation of electromagnetic structures via modulational instability of drift waves. Physics of Plasmas, 2008, 15, .	0.7	11
105	Resistive internal kink modes in a differentially rotating cylindrical plasma. Physics of Plasmas, 2007, 14, 112104.	0.7	4
106	Turbulent excitation of plasma oscillations in the acoustic frequency range. Physics of Plasmas, 2007, 14, 082304.	0.7	12
107	Generation of mesoscale convective structures in tokamak edge plasma. Physics of Plasmas, 2007, 14, .	0.7	18
108	Magnetorotational instability in the Hall regime in a hot-electron plasma. Physics of Plasmas, 2007, 14, 112108.	0.7	8

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109	Non-local ponderomotive force in finite temperature inductive plasmas. Plasma Physics and Controlled Fusion, 2007, 49, A221-A229.	0.9	7
110	Surface waves on a quantum plasma half-space. Physics of Plasmas, 2007, 14, .	0.7	70
111	Relativistic corrections to the nonlinear plasma permittivity: II. Coupling of longitudinal and transverse waves. Plasma Physics and Controlled Fusion, 2007, 49, 1661-1671.	0.9	1
112	Turbulent Stabilization of Neoclassical Tearing Modes. Journal of the Physical Society of Japan, 2007, 76, 113501.	0.7	2
113	Effects of non-Maxwellian electron velocity distribution function on two-stream instability in low-pressure discharges. Physics of Plasmas, 2007, 14, 013508.	0.7	35
114	Kinetic effects in a Hall thruster discharge. Physics of Plasmas, 2007, 14, 057104.	0.7	114
115	Resonant transparency of materials with negative permittivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 361, 277-282.	0.9	9
116	Wave kinetic equation approach to the problem of the generation of zonal flows by multivariable waves. Doklady Physics, 2007, 52, 211-214.	0.2	1
117	Generation of zonal flows by kinetic Alfvén waves. Plasma Physics Reports, 2007, 33, 117-129.	0.3	11
118	Evanescent wave interference and the total transparency of a warm high-density plasma slab. Physics of Plasmas, 2006, 13, 092113.	0.7	18
119	Modification of electron velocity distribution in bounded plasmas by secondary electron emission. IEEE Transactions on Plasma Science, 2006, 34, 815-824.	0.6	43
120	Kinetic simulation of secondary electron emission effects in Hall thrusters. Physics of Plasmas, 2006, 13, 014501.	0.7	100
121	Generation of Geodesic Acoustic Modes in ITG turbulence. AIP Conference Proceedings, 2006, , .	0.3	1
122	Coherent Modes in the Acoustic Frequency Range in Tokamaks. AIP Conference Proceedings, 2006, , .	0.3	13
123	Two-stream-like mechanism of zonal-flow generation by Rossby waves in a shallow rotating fluid. JETP Letters, 2006, 84, 76-78.	0.4	7
124	Effect of electrodynamic braking force localized on rational surfaces. Physica Scripta, 2006, 73, 129-136.	1.2	1
125	Transport of meso-scale structures in tokamak edge plasmas. European Physical Journal D, 2005, 55, 307-316.	0.4	19
126	Ion sound effects on magnetic islands. Plasma Physics and Controlled Fusion, 2004, 46, L1-L6.	0.9	11

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127	On neoclassical effects in the theory of magnetic islands. <i>Physics of Plasmas</i> , 2004, 11, 4353-4360.	0.7	21
128	Transverse stability of strongly nonlinear ion acoustic modes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 324, 465-471.	0.9	1
129	Reduction of Electron Heating in the Low-Frequency Anomalous-Skin-Effect Regime. <i>Physical Review Letters</i> , 2003, 90, 255002.	2.9	29
130	On neutral wind and blob motion in linear devices. <i>Physics of Plasmas</i> , 2003, 10, 3020-3021.	0.7	51
131	Nonlinear effects in inductively coupled plasmas. <i>Physics of Plasmas</i> , 2003, 10, 2108-2116.	0.7	19
132	Non-perturbative models of intermittency in drift-wave turbulence: towards a probabilistic theory of anomalous transport. <i>Nuclear Fusion</i> , 2003, 43, 961-968.	1.6	37
133	Short Wavelength Temperature Gradient Driven Modes in Tokamak Plasmas. <i>Physical Review Letters</i> , 2002, 89, 125005.	2.9	40
134	Secondary instabilities of large scale flow and magnetic field in the electromagnetic short wavelength drift-Alfvén wave turbulence. <i>Physics of Plasmas</i> , 2002, 9, 3826-3834.	0.7	36
135	Role of the shear flow profile on the stability of magnetic islands. <i>Physics of Plasmas</i> , 2002, 9, 371-374.	0.7	8
136	On nonlocal heating in inductively coupled plasmas. <i>Plasma Sources Science and Technology</i> , 2002, 11, 203-207.	1.3	24
137	Short wavelength temperature gradient driven modes in tokamaks. <i>Physics of Plasmas</i> , 2002, 9, 1659-1666.	0.7	27
138	Fast zonal field dynamo in collisionless kinetic Alfvén wave turbulence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 302, 119-124.	0.9	23
139	Effect of the electron thermal motion on the ponderomotive force in inductive plasma. <i>Physics of Plasmas</i> , 2001, 8, 3857-3860.	0.7	18
140	Secondary instabilities in the dynamics of the Farley-Buneman fluctuations. <i>Journal of Geophysical Research</i> , 2001, 106, 15511-15518.	3.3	8
141	Observation of the ponderomotive effect in an inductive plasma. <i>Plasma Sources Science and Technology</i> , 2001, 10, 459-462.	1.3	42
142	Stabilization of magnetic islands due to the sheared plasma flow and viscosity. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 1661-1669.	0.9	16
143	On the stability of drift wave spectra with respect to zonal flow excitation. <i>Physics of Plasmas</i> , 2001, 8, 1553-1558.	0.7	38
144	On collisionality dependence of the neoclassical tearing modes. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 309-316.	0.9	21

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145	Nonlinear radio-frequency potential in an inductive plasma. Plasma Sources Science and Technology, 2000, 9, 541-544.	1.3	24
146	Regularized magnetic islands. II. The role of polarization current. Physics of Plasmas, 2000, 7, 1214-1223.	0.7	29
147	Role of ion diamagnetic effects in the generation of large scale flows in toroidal ion temperature gradient mode turbulence. Physics of Plasmas, 2000, 7, 3987.	0.7	58
148	Coherent Structure Phenomena in Drift Wave "Zonal Flow Turbulence. Physical Review Letters, 2000, 84, 491-494.	2.9	148
149	Regularized magnetic islands. I. Hyperviscosity and profile functions. Physics of Plasmas, 2000, 7, 1204-1213.	0.7	25
150	On nonlinear effects in inductively coupled plasmas. Physics of Plasmas, 2000, 7, 4755-4762.	0.7	30
151	The generalized hydrodynamic equations for arbitrary collision frequency in a weakly ionized plasma. Physics of Plasmas, 2000, 7, 122-134.	0.7	6
152	Zonal flow generation by parametric instability in magnetized plasmas and geostrophic fluids. Physics of Plasmas, 2000, 7, 1349-1351.	0.7	148
153	Influence of Resonance Energy Absorption on the Properties of Gas Discharge Maintained by Asymmetric Surface Waves. Physica Scripta, 1999, 59, 298-301.	1.2	5
154	Generalized action invariants for drift waves-zonal flow systems. Physics of Plasmas, 1999, 6, 4410-4413.	0.7	84
155	Nonlocal ion transport in a weakly ionized nonequilibrium plasma. IEEE Transactions on Plasma Science, 1998, 26, 198-207.	0.6	1
156	Nonlocal electron kinetics in a weakly ionized plasma. Physical Review E, 1998, 58, 965-975.	0.8	9
157	Nonlinear Diffusion of the Magnetic Field in Weakly Ionized Plasmas. Physical Review Letters, 1998, 81, 4871-4874.	2.9	17
158	Magnetohydrodynamic equations for plasmas with finite-Larmor-radius effects. Journal of Plasma Physics, 1998, 60, 133-149.	0.7	20
159	Density scaling of the threshold for locked mode instability in the presence of toroidal field ripple in a tokamak. Physics of Plasmas, 1997, 4, 4017-4022.	0.7	4
160	Plateau regime dynamics of the relaxation of poloidal rotation in tokamak plasmas. Physics of Plasmas, 1996, 3, 3023-3031.	0.7	88
161	Radial electric field in toroidal plasmas. Plasma Physics and Controlled Fusion, 1996, 38, 1349-1352.	0.9	1
162	Fluid model of collisionless plasma with finite Larmor radius effects. Physics of Plasmas, 1995, 2, 4451-4454.	0.7	13

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163	Rotating nonlinear magnetic islands in a tokamak plasma. <i>Physics of Plasmas</i> , 1995, 2, 1581-1598.	0.7	179
164	On the ballooning equation for toroidal drift type modes. <i>Physics of Plasmas</i> , 1995, 2, 2621-2623.	0.7	2
165	Anomalous transport due to the ion acoustic drift mode in tokamaks. <i>Physica Scripta</i> , 1995, 52, 421-427.	1.2	0
166	Nonlinear evolution of tearing modes in inhomogeneous plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 657-687.	0.9	174
167	Magnetic islands and their effects in Tokamak plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 987-1002.	0.9	13
168	On energy transport equations for turbulent magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 1765-1776.	0.9	2
169	Small-scale magnetic islands in collisionless plasmas. <i>Physics of Fluids B</i> , 1993, 5, 663-665.	1.7	11
170	One-fluid approach to the theory of viscous-resistive ballooning modes in a Tokamak. I. The averaged ballooning equations. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 1741-1758.	0.9	10
171	One-fluid approach to the theory of viscous-resistive ballooning modes in a Tokamak. II. Stability analysis. <i>Plasma Physics and Controlled Fusion</i> , 1989, 31, 1759-1784.	0.9	5
172	On the theory of Alfvén vortices. <i>Plasma Physics and Controlled Fusion</i> , 1987, 29, 1-25.	0.9	36
173	Three-dimensional instability of the high-frequency magnetoacoustic solitons. <i>Plasma Physics and Controlled Fusion</i> , 1985, 27, 225-227.	0.9	0