

# Andrei I Smolyakov

## List of Publications by Year in descending order

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173  
papers

4,048  
citations

109137

35  
h-index

155451

55  
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178  
all docs

178  
docs citations

178  
times ranked

1746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotating nonlinear magnetic islands in a tokamak plasma. <i>Physics of Plasmas</i> , 1995, 2, 1581-1598.	0.7	179
2	Nonlinear evolution of tearing modes in inhomogeneous plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 657-687.	0.9	174
3	Coherent Structure Phenomena in Drift Wave Zonal Flow Turbulence. <i>Physical Review Letters</i> , 2000, 84, 491-494.	2.9	148
4	Zonal flow generation by parametric instability in magnetized plasmas and geostrophic fluids. <i>Physics of Plasmas</i> , 2000, 7, 1349-1351.	0.7	148
5	Kinetic effects in a Hall thruster discharge. <i>Physics of Plasmas</i> , 2007, 14, 057104.	0.7	114
6	Screening of resonant magnetic perturbations by flows in tokamaks. <i>Nuclear Fusion</i> , 2012, 52, 054003.	1.6	106
7	Kinetic simulation of secondary electron emission effects in Hall thrusters. <i>Physics of Plasmas</i> , 2006, 13, 014501.	0.7	100
8	Physics of $E \times B$ discharges relevant to plasma propulsion and similar technologies. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	89
9	Plateau regime dynamics of the relaxation of poloidal rotation in tokamak plasmas. <i>Physics of Plasmas</i> , 1996, 3, 3023-3031.	0.7	88
10	Breakdown of a Space Charge Limited Regime of a Sheath in a Weakly Collisional Plasma Bounded by Walls with Secondary Electron Emission. <i>Physical Review Letters</i> , 2009, 103, 145004.	2.9	88
11	Generalized action invariants for drift waves-zonal flow systems. <i>Physics of Plasmas</i> , 1999, 6, 4410-4413.	0.7	84
12	Fluid theory and simulations of instabilities, turbulent transport and coherent structures in partially-magnetized plasmas of $\mathbf{E} \times \mathbf{B}$ discharges. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 014041.	0.9	83
13	Effect of Secondary Electron Emission on Electron Cross-Field Current in $E \times B$ Discharges. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 995-1006.	0.6	72
14	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
15	Surface waves on a quantum plasma half-space. <i>Physics of Plasmas</i> , 2007, 14, .	0.7	70
16	Long wavelength gradient drift instability in Hall plasma devices. I. Fluid theory. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	66
17	Nonlinear structures and anomalous transport in partially magnetized $E \times B$ plasmas. <i>Physics of Plasmas</i> , 2018, 25, 011608.	0.7	62
18	Role of ion diamagnetic effects in the generation of large scale flows in toroidal ion temperature gradient mode turbulence. <i>Physics of Plasmas</i> , 2000, 7, 3987.	0.7	58

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19	Evolution of the electron cyclotron drift instability in two-dimensions. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	57
20	Plasma-sheath instability in Hall thrusters due to periodic modulation of the energy of secondary electrons in cyclotron motion. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	52
21	On neutral wind and blob motion in linear devices. <i>Physics of Plasmas</i> , 2003, 10, 3020-3021.	0.7	51
22	Kinetic theory of electromagnetic geodesic acoustic modes. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 115008.	0.9	49
23	Geodesic acoustic modes in magnetic confinement devices. <i>Nuclear Fusion</i> , 2022, 62, 013001.	1.6	46
24	2D radial-azimuthal particle-in-cell benchmark for E $\times$ B discharges. <i>Plasma Sources Science and Technology</i> , 2021, 30, 075002.	1.3	44
25	Modification of electron velocity distribution in bounded plasmas by secondary electron emission. <i>IEEE Transactions on Plasma Science</i> , 2006, 34, 815-824.	0.6	43
26	Observation of the ponderomotive effect in an inductive plasma. <i>Plasma Sources Science and Technology</i> , 2001, 10, 459-462.	1.3	42
27	Variational derivation of the dispersion relation of kinetic coherent modes in the acoustic frequency range in tokamaks. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	41
28	Short Wavelength Temperature Gradient Driven Modes in Tokamak Plasmas. <i>Physical Review Letters</i> , 2002, 89, 125005.	2.9	40
29	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
30	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
31	On the theory of Alfvén vortices. <i>Plasma Physics and Controlled Fusion</i> , 1987, 29, 1-25.	0.9	36
32	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
33	Effects of non-Maxwellian electron velocity distribution function on two-stream instability in low-pressure discharges. <i>Physics of Plasmas</i> , 2007, 14, 013508.	0.7	35
34	Sheath-Induced Instabilities in Plasmas with $\mathbf{E} \times \mathbf{B}$ Drift. <i>Physical Review Letters</i> , 2013, 111, 115002.	2.9	35
35	Scaling of spoke rotation frequency within a Penning discharge. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	35
36	Long wavelength gradient drift instability in Hall plasma devices. II. Applications. <i>Physics of Plasmas</i> , 2013, 20, 052108.	0.7	34

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37	On nonlinear effects in inductively coupled plasmas. <i>Physics of Plasmas</i> , 2000, 7, 4755-4762.	0.7	30
38	Turbulent acceleration and heating in toroidal magnetized plasmas. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	30
39	Regularized magnetic islands. II. The role of polarization current. <i>Physics of Plasmas</i> , 2000, 7, 1214-1223.	0.7	29
40	Reduction of Electron Heating in the Low-Frequency Anomalous-Skin-Effect Regime. <i>Physical Review Letters</i> , 2003, 90, 255002.	2.9	29
41	Resonant Transmission of Electromagnetic Waves in Multilayer Dense-Plasma Structures. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 1251-1260.	0.6	29
42	Short wavelength temperature gradient driven modes in tokamaks. <i>Physics of Plasmas</i> , 2002, 9, 1659-1666.	0.7	27
43	Regularized magnetic islands. I. Hyperviscosity and profile functions. <i>Physics of Plasmas</i> , 2000, 7, 1204-1213.	0.7	25
44	Entropy production rate in tokamaks with nonaxisymmetric magnetic fields. <i>Physics of Plasmas</i> , 2010, 17, 072505.	0.7	25
45	Nonlinear radio-frequency potential in an inductive plasma. <i>Plasma Sources Science and Technology</i> , 2000, 9, 541-544.	1.3	24
46	On nonlocal heating in inductively coupled plasmas. <i>Plasma Sources Science and Technology</i> , 2002, 11, 203-207.	1.3	24
47	Particle-in-cell simulations of anomalous transport in a Penning discharge. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	24
48	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
49	Effects of finite electron temperature on gradient drift instabilities in partially magnetized plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	23
50	Equilibrium magnetohydrodynamic flows of liquid metals in magnetorotational instability experiments. <i>Journal of Fluid Mechanics</i> , 2010, 644, 257-280.	1.4	22
51	Structure of nonlocal gradient-drift instabilities in Hall $E \times B$ discharges. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	22
52	On collisionality dependence of the neoclassical tearing modes. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 309-316.	0.9	21
53	On neoclassical effects in the theory of magnetic islands. <i>Physics of Plasmas</i> , 2004, 11, 4353-4360.	0.7	21
54	Radial homogeneity of geodesic acoustic modes in ohmic discharges with low B in the T-10 tokamak. <i>JETP Letters</i> , 2015, 100, 555-560.	0.4	21

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55	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
56	Current flow instability and nonlinear structures in dissipative two-fluid plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	21
57	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
58	Magnetohydrodynamic equations for plasmas with finite-Larmor-radius effects. <i>Journal of Plasma Physics</i> , 1998, 60, 133-149.	0.7	20
59	Hall thruster operation with externally driven breathing mode oscillations. <i>Plasma Sources Science and Technology</i> , 2018, 27, 094006.	1.3	20
60	Nonlinear effects in inductively coupled plasmas. <i>Physics of Plasmas</i> , 2003, 10, 2108-2116.	0.7	19
61	Transport of meso-scale structures in tokamak edge plasmas. <i>European Physical Journal D</i> , 2005, 55, 307-316.	0.4	19
62	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
63	Evanescent wave interference and the total transparency of a warm high-density plasma slab. <i>Physics of Plasmas</i> , 2006, 13, 092113.	0.7	18
64	Generation of mesoscale convective structures in tokamak edge plasma. <i>Physics of Plasmas</i> , 2007, 14, .	0.7	18
65	Global geodesic acoustic mode in a tokamak with positive magnetic shear and a monotonic temperature profile. <i>Plasma Physics and Controlled Fusion</i> , 2014, 56, 035001.	0.9	18
66	Nonlinear Diffusion of the Magnetic Field in Weakly Ionized Plasmas. <i>Physical Review Letters</i> , 1998, 81, 4871-4874.	2.9	17
67	A comparative study of the filamentation and Weibel instabilities and their cumulative effect. I. Non-relativistic theory. <i>Journal of Plasma Physics</i> , 2009, 75, 19-33.	0.7	17
68	RESONANT MODES AND RESONANT TRANSMISSION IN MULTI-LAYER STRUCTURES. <i>Progress in Electromagnetics Research</i> , 2010, 107, 293-314.	1.6	17
69	Boundary-induced effect on the spoke-like activity in $E \times B$ plasma. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	17
70	On the mechanism of ionization oscillations in Hall thrusters. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	17
71	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
72	Study of Alfvén Eigenmodes in the TJ-II Stellarator. <i>Plasma and Fusion Research</i> , 2010, 5, S2019-S2019.	0.3	16

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73	Geodesic acoustic modes and zonal flows in rotating large-aspect-ratio tokamak plasmas. Plasma Physics and Controlled Fusion, 2011, 53, 065008.	0.9	15
74	Higher order and asymmetry effects on saturation of magnetic islands. Physics of Plasmas, 2013, 20, .	0.7	15
75	Electromagnetic effects on geodesic acoustic modes. Physics of Plasmas, 2014, 21, .	0.7	15
76	Ion sound instability driven by the ion flows. Physics of Plasmas, 2015, 22, 052113.	0.7	15
77	Current convective instability in detached divertor plasma. Physics of Plasmas, 2016, 23, 092505.	0.7	15
78	Gradient-drift instability applied to Hall thrusters. Plasma Sources Science and Technology, 2019, 28, 015002.	1.3	15
79	Magnetic islands and their effects in Tokamak plasmas. Plasma Physics and Controlled Fusion, 1993, 35, 987-1002.	0.9	13
80	Fluid model of collisionless plasma with finite Larmor radius effects. Physics of Plasmas, 1995, 2, 4451-4454.	0.7	13
81	Coherent Modes in the Acoustic Frequency Range in Tokamaks. AIP Conference Proceedings, 2006, , .	0.3	13
82	Nonlinear skin effect in a collisionless plasma. Physics of Plasmas, 2009, 16, 080704.	0.7	13
83	Kinetic theory of electromagnetic plane wave obliquely incident on bounded plasma slab. Physics of Plasmas, 2010, 17, .	0.7	13
84	Global current profile effects on the evolution and saturation of magnetic islands. Physics of Plasmas, 2013, 20, .	0.7	13
85	On the dispersion of geodesic acoustic modes. Plasma Physics Reports, 2016, 42, 407-417.	0.3	13
86	Anomalous Electron Transport in One-Dimensional Electron Cyclotron Drift Turbulence. Plasma Physics Reports, 2020, 46, 496-505.	0.3	13
87	Mode transitions in nonlinear evolution of the electron drift instability in a 2D annular $E \times B$ system. Physics of Plasmas, 2020, 27, .	0.7	13
88	Turbulent excitation of plasma oscillations in the acoustic frequency range. Physics of Plasmas, 2007, 14, 082304.	0.7	12
89	Blob dynamics in an inhomogeneous plasma. Physics of Plasmas, 2008, 15, .	0.7	12
90	On the electron drift velocity in plasma devices with $E \times B$ drift. Journal of Applied Physics, 2016, 119, 243306.	1.1	12

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91	Control of Coherent Structures via External Drive of the Breathing Mode. Plasma Physics Reports, 2019, 45, 134-146.	0.3	12
92	Small-scale magnetic islands in collisionless plasmas. Physics of Fluids B, 1993, 5, 663-665.	1.7	11
93	Ion sound effects on magnetic islands. Plasma Physics and Controlled Fusion, 2004, 46, L1-L6.	0.9	11
94	Generation of zonal flows by kinetic Alfvén waves. Plasma Physics Reports, 2007, 33, 117-129.	0.3	11
95	Generation of electromagnetic structures via modulational instability of drift waves. Physics of Plasmas, 2008, 15, .	0.7	11
96	Second harmonic effect on geodesic modes in tokamak plasmas. Physics of Plasmas, 2013, 20, .	0.7	11
97	Dynamics of magnetic islands in large $\beta^2$ regimes. Physics of Plasmas, 2014, 21, 020705.	0.7	11
98	Marginal stability, characteristic frequencies, and growth rates of gradient drift modes in partially magnetized plasmas with finite electron temperature. Physics of Plasmas, 2018, 25, .	0.7	11
99	One-fluid approach to the theory of viscous-resistive ballooning modes in a Tokamak. I. The averaged ballooning equations. Plasma Physics and Controlled Fusion, 1989, 31, 1741-1758.	0.9	10
100	RESONANT TRANSPARENCY OF A THREE-LAYER STRUCTURE CONTAINING THE DENSE PLASMA REGION. Progress in Electromagnetics Research, 2009, 99, 37-52.	1.6	10
101	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
102	Rolls of the internal gravity waves in the Earth's atmosphere. Annales Geophysicae, 2014, 32, 181-186.	0.6	10
103	Electromagnetic electron temperature gradient driven instability in toroidal plasmas. Physics of Plasmas, 2017, 24, 024501.	0.7	10
104	Preface to Special Topic: Modern issues and applications of E $\times$ B plasmas. Physics of Plasmas, 2018, 25, 061001.	0.7	10
105	Nonlocal electron kinetics in a weakly ionized plasma. Physical Review E, 1998, 58, 965-975.	0.8	9
106	Resonant transparency of materials with negative permittivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 361, 277-282.	0.9	9
107	Drift kinetic equation in the moving reference frame and reduced magnetohydrodynamic equations. Physics of Plasmas, 2010, 17, .	0.7	9
108	Multiscale equatorial electrojet turbulence: Baseline 2D model. Journal of Geophysical Research: Space Physics, 2015, 120, 1460-1477.	0.8	9

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109	Nonlinear excitation of long-wavelength modes in Hall plasmas. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	9
110	Different responses of the Rayleigh–Taylor type and resistive drift wave instabilities to the velocity shear. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	9
111	Secondary instabilities in the dynamics of the Farley-Buneman fluctuations. <i>Journal of Geophysical Research</i> , 2001, 106, 15511-15518.	3.3	8
112	Role of the shear flow profile on the stability of magnetic islands. <i>Physics of Plasmas</i> , 2002, 9, 371-374.	0.7	8
113	Magnetorotational instability in the Hall regime in a hot-electron plasma. <i>Physics of Plasmas</i> , 2007, 14, 112108.	0.7	8
114	A comparative study of the filamentation and Weibel instabilities and their cumulative effect. II. Weakly relativistic beams. <i>Journal of Plasma Physics</i> , 2009, 75, 529-543.	0.7	8
115	Studies of a modulated Hall thruster. <i>Plasma Sources Science and Technology</i> , 2021, 30, 055011.	1.3	8
116	Nonlinear regimes of the electron cyclotron drift instability in Vlasov simulations. <i>Physics of Plasmas</i> , 2022, 29, .	0.7	8
117	Two-stream-like mechanism of zonal-flow generation by Rossby waves in a shallow rotating fluid. <i>JETP Letters</i> , 2006, 84, 76-78.	0.4	7
118	Non-local ponderomotive force in finite temperature inductive plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, A221-A229.	0.9	7
119	Self-excited surface plasmon-polaritons at the interface of counterstreaming plasmas. <i>Physics of Plasmas</i> , 2009, 16, 052102.	0.7	7
120	Modification of the Simon-Hoh Instability by the sheath effects in partially magnetized $E \perp B$ plasmas. <i>Physics of Plasmas</i> , 2018, 25, 084505.	0.7	7
121	Nonlinear structures of lower-hybrid waves driven by the ion beam. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	7
122	Tornado model for a magnetised plasma. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	7
123	Restructuring of rotating spokes in response to changes in the radial electric field and the neutral pressure of a cylindrical magnetron plasma. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	7
124	The generalized hydrodynamic equations for arbitrary collision frequency in a weakly ionized plasma. <i>Physics of Plasmas</i> , 2000, 7, 122-134.	0.7	6
125	Zonal stability of geodesic acoustic modes in a tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2009, 51, 075010.	0.9	6
126	Wall current closure effects on plasma and sheath fluctuations in Hall thrusters. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	6



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127	Theory and Modelling of Axial Mode Oscillations in Hall Thruster. , 2019, , .		6
128	Backward waves in the nonlinear regime of the Buneman instability. Physics of Plasmas, 2021, 28, .	0.7	6
129	The role of noise in PIC and Vlasov simulations of the Buneman instability. Physics of Plasmas, 2021, 28, .	0.7	6
130	One-fluid approach to the theory of viscous-resistive ballooning modes in a Tokamak. II. Stability analysis. Plasma Physics and Controlled Fusion, 1989, 31, 1759-1784.	0.9	5
131	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
132	Non-local energy transport in tunneling and plasmonic structures. Optics Express, 2011, 19, 15281.	1.7	5
133	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
134	Plasmon resonances, anomalous transparency, and reflectionless absorption in overdense plasmas. Physics of Plasmas, 2018, 25, 031904.	0.7	5
135	On quasineutral plasma flow in the magnetic nozzle. Physics of Plasmas, 2021, 28, 060701.	0.7	5
136	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
137	Resistive internal kink modes in a differentially rotating cylindrical plasma. Physics of Plasmas, 2007, 14, 112104.	0.7	4
138	Ideal internal kink modes in a differentially rotating cylindrical plasma. Plasma Physics Reports, 2008, 34, 538-546.	0.3	4
139	Effects of finite heat conductivity on instabilities in a rotating plasma. Plasma Physics Reports, 2009, 35, 658-667.	0.3	4
140	Parallel momentum balance and toroidal rotation in a tokamak. , 2011, , .		4
141	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
142	Drift and geodesic effects on the ion sound eigenmode in tokamak plasmas. Plasma Physics Reports, 2016, 42, 424-429.	0.3	4
143	Interchange destabilization of collisionless tearing modes by temperature gradient. Physics of Plasmas, 2018, 25, .	0.7	4
144	Gyro-kinetic theory and global simulations of the collisionless tearing instability: The impact of trapped particles through the magnetic field curvature. Physics of Plasmas, 2019, 26, .	0.7	4

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145	Global ITG eigenmodes: From ballooning angle and radial shift to Reynolds stress and nonlinear saturation. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	3
146	Stability of Ion Flow and Role of Boundary Conditions in a Simplified Model of the E $\tilde{A}$ – B Plasma Accelerator with a Uniform Electron Mobility. <i>Plasma Physics Reports</i> , 2020, 46, 363-373.	0.3	3
147	Drift waves enstrophy, zonal flow, and nonlinear evolution of the modulational instability. <i>Physics of Plasmas</i> , 2021, 28, 010702.	0.7	3
148	On energy transport equations for turbulent magnetized plasma. <i>Plasma Physics and Controlled Fusion</i> , 1993, 35, 1765-1776.	0.9	2
149	On the ballooning equation for toroidal drift type modes. <i>Physics of Plasmas</i> , 1995, 2, 2621-2623.	0.7	2
150	Turbulent Stabilization of Neoclassical Tearing Modes. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 113501.	0.7	2
151	Electron kinetic effects and beam related instabilities in Hall thrusters. , 2008, , .		2
152	Large-scale oscillations in a Tokamak due to strong plasma temperature gradient. <i>Doklady Physics</i> , 2009, 54, 525-528.	0.2	2
153	Self-acceleration and energy channeling in the saturation of the ion-sound instability in a bounded plasma. <i>Physics of Plasmas</i> , 2020, 27, 080702.	0.7	2
154	Application of Hall Thrusters with Modulated Oscillations. , 2020, , .		2
155	Ion temperature effects on plasma flow in the magnetic mirror configuration. <i>Physics of Plasmas</i> , 2022, 29, 052507.	0.7	2
156	Radial electric field in toroidal plasmas. <i>Plasma Physics and Controlled Fusion</i> , 1996, 38, 1349-1352.	0.9	1
157	Nonlocal ion transport in a weakly ionized nonequilibrium plasma. <i>IEEE Transactions on Plasma Science</i> , 1998, 26, 198-207.	0.6	1
158	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
159	Generation of Geodesic Acoustic Modes in ITG turbulence. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	1
160	Effect of electrodynamic braking force localized on rational surfaces. <i>Physica Scripta</i> , 2006, 73, 129-136.	1.2	1
161	Relativistic corrections to the nonlinear plasma permittivity: II. Coupling of longitudinal and transverse waves. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 1661-1671.	0.9	1
162	Wave kinetic equation approach to the problem of the generation of zonal flows by multivariable waves. <i>Doklady Physics</i> , 2007, 52, 211-214.	0.2	1

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163	Nonlinear spreading of Farley-Buneman waves. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	1
164	Comment on "The universal instability in general geometry" [Phys. Plasmas 22, 090706 (2015)]. <i>Physics of Plasmas</i> , 2016, 23, 114702.	0.7	1
165	Nonlinear damping of zonal flows. <i>Plasma Physics Reports</i> , 2016, 42, 769-772.	0.3	1
166	Nonlinear equation for Farley-Buneman waves in multispecies plasma. <i>Plasma Physics Reports</i> , 2016, 42, 400-406.	0.3	1
167	Hall thruster with externally driven oscillations. , 2019, , .		1
168	Influence of flow shear on localized Rayleigh-Taylor and resistive drift wave instabilities. <i>Contributions To Plasma Physics</i> , 2020, 60, e201900098.	0.5	1
169	Three-dimensional instability of the high-frequency magnetoacoustic solitons. <i>Plasma Physics and Controlled Fusion</i> , 1985, 27, 225-227.	0.9	0
170	Anomalous transport due to the ion acoustic drift mode in tokamaks. <i>Physica Scripta</i> , 1995, 52, 421-427.	1.2	0
171	The instability of rotating plasmas in the azimuthal magnetic field. <i>Doklady Physics</i> , 2009, 54, 6-9.	0.2	0
172	Guest Editorial Special Issue on Invited and Tutorial Papers From ICOPS 2016. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 525-526.	0.6	0
173	Anomalous Cross-Field Transport in Edge Plasma. <i>Springer Series in Plasma Science and Technology</i> , 2020, , 139-200.	0.1	0