

# Amitava Bhattacharjee

## List of Publications by Year in descending order

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262  
papers

8,249  
citations

36203

51  
h-index

69108

77  
g-index

265  
all docs

265  
docs citations

265  
times ranked

3870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the stellarator through advances in plasma theory. Nuclear Fusion, 2022, 62, 042012.	1.6	5
2	Measures of quasisymmetry for stellarators. Journal of Plasma Physics, 2022, 88, .	0.7	11
3	Weakly quasisymmetric near-axis solutions to all orders. Physics of Plasmas, 2022, 29, .	0.7	5
4	Adjoint methods for quasi-symmetry of vacuum fields on a surface. Journal of Plasma Physics, 2022, 88, .	0.7	2
5	Numerical study of $\langle i \rangle$ -function current sheets arising from resonant magnetic perturbations. Physics of Plasmas, 2022, 29, .	0.7	7
6	Laser-driven, ion-scale magnetospheres in laboratory plasmas. I. Experimental platform and first results. Physics of Plasmas, 2022, 29, .	0.7	9
7	Solving the problem of overdetermination of quasisymmetric equilibrium solutions by near-axis expansions. I. Generalized force balance. Physics of Plasmas, 2021, 28, .	0.7	18
8	Solving the problem of overdetermination of quasisymmetric equilibrium solutions by near-axis expansions. II. Circular axis stellarator solutions. Physics of Plasmas, 2021, 28, 012509.	0.7	13
9	First coupled GENE-XGC microturbulence simulations. Physics of Plasmas, 2021, 28, 012303.	0.7	9
10	Spatial coupling of gyrokinetic simulations, a generalized scheme based on first-principles. Physics of Plasmas, 2021, 28, .	0.7	12
11	Compressional Alfvén eigenmodes excited by runaway electrons. Nuclear Fusion, 2021, 61, 036011.	1.6	10
12	Ion Acceleration in Driven Magnetic Reconnection during High-energy-Density Plasma Interaction. Astrophysical Journal, 2021, 907, 86.	1.6	1
13	Kinetic Simulations of Electron Pre-energization by Magnetized Collisionless Shocks in Expanding Laboratory Plasmas. Astrophysical Journal Letters, 2021, 908, L52.	3.0	3
14	Vacuum magnetic fields with exact quasisymmetry near a flux surface. Part 1. Solutions near an axisymmetric surface. Journal of Plasma Physics, 2021, 87, .	0.7	5
15	Toward exascale whole-device modeling of fusion devices: Porting the GENE gyrokinetic microturbulence code to GPU. Physics of Plasmas, 2021, 28, .	0.7	9
16	Connection between quasisymmetric magnetic fields and anisotropic pressure equilibria in fusion plasmas. Physical Review E, 2021, 104, 015213.	0.8	2
17	Electron energization during merging of self-magnetized, high-beta, laser-produced plasmas. Journal of Plasma Physics, 2021, 87, .	0.7	1
18	Generalized Boozer coordinates: A natural coordinate system for quasisymmetry. Physics of Plasmas, 2021, 28, 092510.	0.7	9

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19	Islands and current singularities in quasisymmetric toroidal plasmas. <i>Physics of Plasmas</i> , 2021, 28, 092506.	0.7	4
20	Preface to Special Topic: Building the Bridge to the Exascale—Applications and Opportunities for Plasma Physics. <i>Physics of Plasmas</i> , 2021, 28, 090401.	0.7	3
21	Small-scale Dynamo in Stably Stratified Turbulence. <i>Astrophysical Journal</i> , 2021, 906, 61.	1.6	11
22	Scaling of Small-scale Dynamo Properties in the Rayleigh–Taylor Instability. <i>Astrophysical Journal</i> , 2021, 921, 75.	1.6	6
23	Landau Modes are Eigenmodes of Stellar Systems in the Limit of Zero Collisions. <i>Astrophysical Journal</i> , 2021, 923, 271.	1.6	1
24	Structure and overstability of resistive modes with runaway electrons. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	9
25	Exascale applications: skin in the game. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190056.	1.6	53
26	An improved ten-moment closure for reconnection and instabilities. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	14
27	Kinetic simulations of piston-driven collisionless shock formation in magnetized laboratory plasmas. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	12
28	Necessary and sufficient conditions for quasisymmetry. <i>Physics of Plasmas</i> , 2020, 27, .	0.7	30
29	Spatial core-edge coupling of the particle-in-cell gyrokinetic codes GEM and XGC. <i>Physics of Plasmas</i> , 2020, 27, 122510.	0.7	10
30	Reconstruction of Electron and Ion Distribution Functions in a Magnetotail Reconnection Diffusion Region. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027879.	0.8	0
31	Response to “Comment on ‘Surface currents associated with external kink modes in tokamak plasmas during a major disruption’” [Phys. Plasmas 26, 054701 (2019)]. <i>Physics of Plasmas</i> , 2019, 26, 054702.	0.7	0
32	Global Ten-Moment Multifluid Simulations of the Solar Wind Interaction with Mercury: From the Planetary Conducting Core to the Dynamic Magnetosphere. <i>Geophysical Research Letters</i> , 2019, 46, 11584-11596.	1.5	44
33	An Extended MHD Study of the 16 October 2015 MMS Diffusion Region Crossing. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 8474-8487.	0.8	7
34	Scalings pertaining to current sheet disruption mediated by the plasmoid instability. <i>Physics of Plasmas</i> , 2019, 26, 092112.	0.7	10
35	A Model of Solar Equilibrium: The Hydrodynamic Limit. <i>Astrophysical Journal</i> , 2019, 870, 47.	1.6	2
36	Nonlinear saturation of kinetic ballooning modes by zonal fields in toroidal plasmas. <i>Physics of Plasmas</i> , 2019, 26, 010701.	0.7	13

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37	Magnetohydrodynamical equilibria with current singularities and continuous rotational transform. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	6
38	Direct Observations of Particle Dynamics in Magnetized Collisionless Shock Precursors in Laser-Produced Plasmas. <i>Physical Review Letters</i> , 2019, 122, 245001.	2.9	33
39	Drift Instabilities in Thin Current Sheets Using a Two-Fluid Model With Pressure Tensor Effects. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 3331-3346.	0.8	13
40	Mechanism of non-steady Petschek-type reconnection with uniform resistivity. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	2
41	Collisionless kinetic theory of oblique tearing instabilities. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	5
42	Modelling of NSTX hot vertical displacement events using M3D-C1. <i>Physics of Plasmas</i> , 2018, 25, 056106.	0.7	12
43	Regimes of magnetic reconnection in colliding laser-produced magnetized plasma bubbles. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	3
44	Relativistic-electron-driven magnetic reconnection in the laboratory. <i>Physical Review E</i> , 2018, 98, .	0.8	32
45	A tight-coupling scheme sharing minimum information across a spatial interface between gyrokinetic turbulence codes. <i>Physics of Plasmas</i> , 2018, 25, 072308.	0.7	17
46	Kinetic simulation of magnetic field generation and collisionless shock formation in expanding laboratory plasmas. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	26
47	Role of the Plasmoid Instability in Magnetohydrodynamic Turbulence. <i>Physical Review Letters</i> , 2018, 121, 165101.	2.9	58
48	Electron Physics in 3D Two-Fluid 10-Moment Modeling of Ganymede's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 2815-2830.	0.8	36
49	The effects of kinetic instabilities on the electron cyclotron emission from runaway electrons. <i>Nuclear Fusion</i> , 2018, 58, 096030.	1.6	11
50	Role of Kinetic Instability in Runaway-Electron Avalanches and Elevated Critical Electric Fields. <i>Physical Review Letters</i> , 2018, 120, 265001.	2.9	45
51	Using the maximum entropy distribution to describe electrons in reconnecting current sheets. <i>Physics of Plasmas</i> , 2018, 25, .	0.7	11
52	Biermann-Battery-Mediated Magnetic Reconnection in 3D Colliding Plasmas. <i>Physical Review Letters</i> , 2018, 121, 095001.	2.9	12
53	Cross-verification of the global gyrokinetic codes GENE and XGC. <i>Physics of Plasmas</i> , 2018, 25, 062308.	0.7	26
54	Multi-region relaxed magnetohydrodynamics in plasmas with slowly changing boundaries—Resonant response of a plasma slab. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	6

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55	Nonlinear resistivity for magnetohydrodynamical models. <i>Physics of Plasmas</i> , 2017, 24, 042120.	0.7	9
56	Overview of NSTX Upgrade initial results and modelling highlights. <i>Nuclear Fusion</i> , 2017, 57, 102006.	1.6	45
57	Three-dimensional geometry of magnetic reconnection induced by ballooning instability in a generalized Harris sheet. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	8
58	The role of guide field in magnetic reconnection driven by island coalescence. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	20
59	Adjoint method and runaway electron avalanche. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 024003.	0.9	9
60	The Dehydration of Water Worlds via Atmospheric Losses. <i>Astrophysical Journal Letters</i> , 2017, 847, L4.	3.0	64
61	Simulations of anti-parallel reconnection using a nonlocal heat flux closure. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	25
62	Astrophysical particle acceleration mechanisms in colliding magnetized laser-produced plasmas. <i>Physics of Plasmas</i> , 2017, 24, 092901.	0.7	18
63	High-Mach number, laser-driven magnetized collisionless shocks. <i>Physics of Plasmas</i> , 2017, 24, .	0.7	23
64	Plasmoid Instability in Forming Current Sheets. <i>Astrophysical Journal</i> , 2017, 850, 142.	1.6	58
65	Surface currents associated with external kink modes in tokamak plasmas during a major disruption. <i>Physics of Plasmas</i> , 2017, 24, 102520.	0.7	2
66	Momentum transport and nonlocality in heat-flux-driven magnetic reconnection in high-energy-density plasmas. <i>Physical Review E</i> , 2017, 96, 043203.	0.8	3
67	Plasmoid Instability in Evolving Current Sheets and Onset of Fast Reconnection. <i>Astrophysical Journal</i> , 2017, 849, 75.	1.6	66
68	Generation and Evolution of High-Mach-Number Laser-Driven Magnetized Collisionless Shocks in the Laboratory. <i>Physical Review Letters</i> , 2017, 119, 025001.	2.9	66
69	10.1063/1.4976712.1., 2017, , .		0
70	HALL CURRENT EFFECTS IN MEAN-FIELD DYNAMO THEORY. <i>Astrophysical Journal</i> , 2016, 829, 51.	1.6	12
71	General theory of the plasmoid instability. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	113
72	The magnetic shear-current effect: generation of large-scale magnetic fields by the small-scale dynamo. <i>Journal of Plasma Physics</i> , 2016, 82, .	0.7	15

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73	The Plasma Simulation Code: A modern particle-in-cell code with patch-based load-balancing. Journal of Computational Physics, 2016, 318, 305-326.	1.9	77
74	Formation of current singularity in a topologically constrained plasma. Physical Review E, 2016, 93, 023205.	0.8	18
75	On the value of the reconnection rate. Journal of Plasma Physics, 2016, 82, .	0.7	55
76	A heuristic model for MRI turbulent stresses in Hall MHD. Monthly Notices of the Royal Astronomical Society, 2016, 460, 478-488.	1.6	9
77	TURBULENT MAGNETOHYDRODYNAMIC RECONNECTION MEDIATED BY THE PLASMOID INSTABILITY. Astrophysical Journal, 2016, 818, 20.	1.6	94
78	Variational formulation of relaxed and multi-region relaxed magnetohydrodynamics. Journal of Plasma Physics, 2015, 81, .	0.7	25
79	Electron acceleration by parallel and perpendicular electric fields during magnetic reconnection without guide field. Journal of Geophysical Research: Space Physics, 2015, 120, 9355-9367.	0.8	12
80	Electromotive force due to magnetohydrodynamic fluctuations in sheared rotating turbulence. Physical Review E, 2015, 92, 053101.	0.8	16
81	Role of Ion Kinetic Physics in the Interaction of Magnetic Flux Ropes. Physical Review Letters, 2015, 115, 175004.	2.9	33
82	Generation of Large-Scale Magnetic Fields by Small-Scale Dynamo in Shear Flows. Physical Review Letters, 2015, 115, 175003.	2.9	34
83	COHERENT NONHELICAL SHEAR DYNAMOS DRIVEN BY MAGNETIC FLUCTUATIONS AT LOW REYNOLDS NUMBERS. Astrophysical Journal, 2015, 813, 52.	1.6	17
84	<i>IRIS</i> LINE PROFILES: AN INDICATION FOR THE PLASMOID INSTABILITY DURING SMALL-SCALE MAGNETIC RECONNECTION ON THE SUN. Astrophysical Journal, 2015, 813, 86.	1.6	72
85	The island coalescence problem: Scaling of reconnection in extended fluid models including higher-order moments. Physics of Plasmas, 2015, 22, .	0.7	35
86	Magnetic field generation, Weibel-mediated collisionless shocks, and magnetic reconnection in colliding laser-produced plasmas. Proceedings of the International Astronomical Union, 2015, 11, 329-332.	0.0	0
87	Existence of three-dimensional ideal-magnetohydrodynamic equilibria with current sheets. Physics of Plasmas, 2015, 22, .	0.7	37
88	Wall-touching kink mode calculations with the M3D code. Physics of Plasmas, 2015, 22, .	0.7	3
89	Statistical Simulation of the Magnetorotational Dynamo. Physical Review Letters, 2015, 114, 085002.	2.9	29
90	Heat flux viscosity in collisional magnetized plasmas. Physics of Plasmas, 2015, 22, 053302.	0.7	7

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91	Comparison of multi-fluid moment models with particle-in-cell simulations of collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 2015, 22, .	0.7	60
92	An overview of recent physics results from NSTX. <i>Nuclear Fusion</i> , 2015, 55, 104002.	1.6	21
93	RAYLEIGH-TAYLOR TYPE INSTABILITIES IN THE RECONNECTION EXHAUST JET AS A MECHANISM FOR SUPRA-ARCADE DOWNFLOWS IN THE SUN. <i>Astrophysical Journal Letters</i> , 2014, 796, L29.	3.0	35
94	Physics of forced magnetic reconnection in coaxial helicity injection experiments in National Spherical Torus Experiment. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	11
95	Variational integration for ideal magnetohydrodynamics with built-in advection equations. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	37
96	Instability of the current sheet in the Earth's magnetotail with normal magnetic field. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	32
97	MAGNETOROTATIONAL INSTABILITY: NONMODAL GROWTH AND THE RELATIONSHIP OF GLOBAL MODES TO THE SHEARING BOX. <i>Astrophysical Journal</i> , 2014, 797, 67.	1.6	22
98	Nonmodal Growth of the Magnetorotational Instability. <i>Physical Review Letters</i> , 2014, 113, 025006.	2.9	30
99	Helicity-Flux-Driven $\hat{\nu}$ Effect in Laboratory and Astrophysical Plasmas. <i>Physical Review Letters</i> , 2014, 112, 125003.	2.9	27
100	PLASMA $\hat{\nu}^2$ SCALING OF ANISOTROPIC MAGNETIC FIELD FLUCTUATIONS IN THE SOLAR WIND FLUX TUBE. <i>Astrophysical Journal</i> , 2014, 783, 65.	1.6	3
101	RAPID CHANGE OF FIELD LINE CONNECTIVITY AND RECONNECTION IN STOCHASTIC MAGNETIC FIELDS. <i>Astrophysical Journal</i> , 2014, 793, 106.	1.6	16
102	OBSERVATIONS OF SUPRA-ARCADE FANS: INSTABILITIES AT THE HEAD OF RECONNECTION JETS. <i>Astrophysical Journal</i> , 2014, 796, 27.	1.6	38
103	Magnetic Reconnection in Plasma under Inertial Confinement Fusion Conditions Driven by Heat Flux Effects in Ohm's Law. <i>Physical Review Letters</i> , 2014, 112, 105004.	2.9	28
104	Magnetic Reconnection between Colliding Magnetized Laser-Produced Plasma Plumes. <i>Physical Review Letters</i> , 2014, 113, 105003.	2.9	97
105	A model for falling-tone chorus. <i>Geophysical Research Letters</i> , 2014, 41, 1838-1845.	1.5	22
106	Plasmoid solutions of the Hahm-Kulsrud-Taylor equilibrium model. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	16
107	Filamentation Instability of Counterstreaming Laser-Driven Plasmas. <i>Physical Review Letters</i> , 2013, 111, 225002.	2.9	158
108	Magnetic reconnection in plasma under inertial confinement fusion conditions driven by heat flux effects in OHM'S law. , 2013, , .		0

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109	Study of the effects of guide field on Hall reconnection. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	10
110	Discrete kinetic eigenmode spectra of electron plasma oscillations in weakly collisional plasma: A numerical study. <i>Physics of Plasmas</i> , 2013, 20, 012125.	0.7	9
111	DISTRIBUTION OF PLASMOIDS IN POST-CORONAL MASS EJECTION CURRENT SHEETS. <i>Astrophysical Journal Letters</i> , 2013, 771, L14.	3.0	41
112	In-plane electric fields in magnetic islands during collisionless magnetic reconnection. <i>Physics of Plasmas</i> , 2012, 19, 112902.	0.7	23
113	Reduced magnetohydrodynamic theory of oblique plasmoid instabilities. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	48
114	FAST MAGNETIC RECONNECTION AND PARTICLE ACCELERATION IN RELATIVISTIC LOW-DENSITY ELECTRON-POSITRON PLASMAS WITHOUT GUIDE FIELD. <i>Astrophysical Journal</i> , 2012, 750, 129.	1.6	75
115	Distribution of Plasmoids in High-Lundquist-Number Magnetic Reconnection. <i>Physical Review Letters</i> , 2012, 109, 265002.	2.9	69
116	HIGH-LUNDQUIST NUMBER SCALING IN THREE-DIMENSIONAL SIMULATIONS OF PARKER'S MODEL OF CORONAL HEATING. <i>Astrophysical Journal</i> , 2012, 747, 109.	1.6	26
117	Magnetic reconnection in high-energy-density laser-produced plasmas. <i>Physics of Plasmas</i> , 2012, 19, .	0.7	51
118	Fast Magnetic Reconnection in Laser-Produced Plasma Bubbles. <i>Physical Review Letters</i> , 2011, 106, 215003.	2.9	79
119	Onset of fast reconnection in Hall magnetohydrodynamics mediated by the plasmoid instability. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	74
120	Hall magnetohydrodynamic reconnection in the plasmoid unstable regime. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	38
121	10.1063/1.3606363.1., 2011, , .		3
122	THEORY OF INCOMPRESSIBLE MAGNETOHYDRODYNAMIC TURBULENCE WITH SCALE-DEPENDENT ALIGNMENT AND CROSS-HELICITY. <i>Astrophysical Journal</i> , 2010, 718, 1151-1157.	1.6	45
123	Fast magnetic reconnection in low-density electron-positron plasmas. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	13
124	Effects of line-tying on magnetohydrodynamic instabilities and current sheet formation. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	16
125	Kolmogorov versus Iroshnikovâ€Kraichnan spectra: Consequences for ion heating in the solar wind. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	55
126	Linear plasmoid instability of thin current sheets with shear flow. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	65



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127	On the question of hysteresis in Hall magnetohydrodynamic reconnection. <i>Physics of Plasmas</i> , 2010, 17, 114507.	0.7	3
128	Fast Reconnection in Low-density Hydrogen and Pair Plasmas. <i>Plasma and Fusion Research</i> , 2010, 5, S2017-S2017.	0.3	4
129	Extension of the electron dissipation region in collisionless Hall magnetohydrodynamics reconnection. <i>Physics of Plasmas</i> , 2009, 16, 102111.	0.7	11
130	Fast reconnection in high-Lundquist-number plasmas due to the plasmoid Instability. <i>Physics of Plasmas</i> , 2009, 16, 112102.	0.7	457
131	DO POTENTIAL FIELDS DEVELOP CURRENT SHEETS UNDER SIMPLE COMPRESSION OR EXPANSION?. <i>Astrophysical Journal</i> , 2009, 699, L144-L147.	1.6	18
132	Observation of energetic electrons within magnetic islands. <i>Nature Physics</i> , 2008, 4, 19-23.	6.5	238
133	A Constrained Tectonics Model for Coronal Heating. <i>Astrophysical Journal</i> , 2008, 675, 899-905.	1.6	10
134	A Comparison of Spectral Element and Finite Difference Methods Using Statically Refined Nonconforming Grids for the MHD Island Coalescence Instability Problem. <i>Astrophysical Journal, Supplement Series</i> , 2008, 177, 613-625.	3.0	10
135	Generalizations of a nonlinear fluid model for void formation in dusty plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 1583-1597.	0.9	4
136	Weakly collisional Landau damping and three-dimensional Bernstein-Greene-Kruskal modes: New results on old problems. <i>Physics of Plasmas</i> , 2006, 13, 055903.	0.7	43
137	Anisotropic wave turbulence in electron MHD. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, B691-B701.	0.9	5
138	Current singularities: Drivers of impulsive reconnection. <i>Physics of Plasmas</i> , 2005, 12, 042305.	0.7	62
139	Collisionless Reconnection in an Electron-Positron Plasma. <i>Physical Review Letters</i> , 2005, 95, 245001.	2.9	97
140	Bernstein-Greene-Kruskal Modes in a Three-Dimensional Plasma. <i>Physical Review Letters</i> , 2005, 95, 245004.	2.9	41
141	Complete Spectrum of Kinetic Eigenmodes for Plasma Oscillations in a Weakly Collisional Plasma. <i>Physical Review Letters</i> , 2004, 92, 065002.	2.9	26
142	Impulsive Magnetic Reconnection in the Earth's Magnetotail and the Solar Corona. <i>Annual Review of Astronomy and Astrophysics</i> , 2004, 42, 365-384.	8.1	151
143	Wind observations pertaining to current disruption and ballooning instability during substorms. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	26
144	Hall magnetohydrodynamic ballooning instability in the magnetotail. <i>Physics of Plasmas</i> , 2003, 10, 249-258.	0.7	21

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145	Anisotropic weak whistler wave turbulence in electron magnetohydrodynamics. <i>Physics of Plasmas</i> , 2003, 10, 3065-3076.	0.7	101
146	Wave driven magnetic reconnection in the Taylor problem. <i>Physics of Plasmas</i> , 2003, 10, 4284-4290.	0.7	8
147	Effect of charge reduction on shielding in dusty plasmas. <i>Physics of Plasmas</i> , 2003, 10, 2663-2666.	0.7	7
148	Anisotropic fluid turbulence in the interstellar medium and solar wind. <i>Physics of Plasmas</i> , 2003, 10, 1954-1962.	0.7	58
149	Anisotropic MHD Turbulence in the Interstellar Medium and Solar Wind. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
150	Observation of Naturally-Occurring Waves in a Strongly Coupled Plasma. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
151	Electrostatic degrees of freedom in non-Maxwellian plasma. <i>Physics of Plasmas</i> , 2002, 9, 1931-1937.	0.7	16
152	Acoustic modes in dense dusty plasmas. <i>Physics of Plasmas</i> , 2002, 9, 4118-4126.	0.7	3
153	Molecular dynamics simulations of Mach cones in two-dimensional Yukawa crystals. <i>Physics of Plasmas</i> , 2002, 9, 3349-3354.	0.7	24
154	Evolution of a Dust Void in a Radio-Frequency Plasma Sheath. <i>Physical Review Letters</i> , 2002, 89, 125001.	2.9	57
155	Longitudinal and Transverse Waves in Yukawa Crystals. <i>Physical Review Letters</i> , 2001, 86, 2569-2572.	2.9	176
156	Random Scattering and Anisotropic Turbulence of Shear Alfvén Wave Packets. <i>Astrophysical Journal</i> , 2001, 548, 318-322.	1.6	55
157	Comment on "Improved boundary layer analysis of forced magnetic reconnection due to a boundary perturbation" [Phys. Plasmas 7, 875 (2000)]. <i>Physics of Plasmas</i> , 2001, 8, 374-375.	0.7	6
158	Low-frequency modes in two-dimensional Debye-Yukawa plasma crystals. <i>Thin Solid Films</i> , 2001, 390, 228-233.	0.8	12
159	Scaling of Collisionless Forced Reconnection. <i>Physical Review Letters</i> , 2001, 87, 265003.	2.9	98
160	Recent developments in collisionless reconnection theory: Applications to laboratory and space plasmas. <i>Physics of Plasmas</i> , 2001, 8, 1829-1839.	0.7	56
161	Ionization instabilities and resonant acoustic modes. <i>Physics of Plasmas</i> , 2001, 8, 5018-5024.	0.7	63
162	Wave-particle interaction. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, B27-B35.	0.9	6

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163	The electrostatic sheath in a dusty plasma. <i>Physics of Plasmas</i> , 2000, 7, 3093-3096.	0.7	15
164	Transverse electrostatic modes in a one-dimensional strongly coupled dusty plasma. <i>Physics of Plasmas</i> , 1999, 6, 4388-4391.	0.7	20
165	Ginzburg-Landau Model and Single-Mode Operation of a Free-Electron Laser Oscillator. <i>Physical Review Letters</i> , 1999, 82, 2665-2668.	2.9	14
166	Kinetic Eigenmodes and Discrete Spectrum of Plasma Oscillations in a Weakly Collisional Plasma. <i>Physical Review Letters</i> , 1999, 83, 1974-1977.	2.9	54
167	Exponential nonlinear growth of a resistive $m=1$ island. <i>Physics of Plasmas</i> , 1999, 6, 1674-1676.	0.7	3
168	A unified model of acoustic and lattice waves in a one-dimensional strongly coupled dusty plasma. <i>Physics of Plasmas</i> , 1999, 6, 409-412.	0.7	31
169	Sudden disruption of a thin current sheet in collisionless Hall magnetohydrodynamics due to secondary tearing and coalescence instabilities. <i>Geophysical Research Letters</i> , 1999, 26, 3337-3340.	1.5	11
170	Four-field model for dispersive field-line resonances: Effects of coupling between shear-Alfvén and slow modes. <i>Geophysical Research Letters</i> , 1999, 26, 3281-3284.	1.5	15
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