

# Masaaki Yamada

## List of Publications by Year in descending order

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168  
papers

7,211  
citations

61945

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64755

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173  
all docs

173  
docs citations

173  
times ranked

2727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic reconnection. <i>Reviews of Modern Physics</i> , 2010, 82, 603-664.	16.4	831
2	Magnetic Reconnection in Astrophysical and Laboratory Plasmas. <i>Annual Review of Astronomy and Astrophysics</i> , 2009, 47, 291-332.	8.1	440
3	Study of driven magnetic reconnection in a laboratory plasma. <i>Physics of Plasmas</i> , 1997, 4, 1936-1944.	0.7	248
4	Experimental Test of the Sweet-Parker Model of Magnetic Reconnection. <i>Physical Review Letters</i> , 1998, 80, 3256-3259.	2.9	196
5	Ion Acceleration and Direct Ion Heating in Three-Component Magnetic Reconnection. <i>Physical Review Letters</i> , 1996, 76, 3328-3331.	2.9	195
6	Electromagnetic Fluctuations during Fast Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 2004, 92, 115001.	2.9	187
7	Experimental Verification of the Hall Effect during Magnetic Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 2005, 95, 055003.	2.9	174
8	Magnetic reconnection of plasma toroids with cohelicity and counterhelicity. <i>Physical Review Letters</i> , 1990, 65, 721-724.	2.9	149
9	Experimental study of two-fluid effects on magnetic reconnection in a laboratory plasma with variable collisionality. <i>Physics of Plasmas</i> , 2006, 13, 052119.	0.7	146
10	Investigation of magnetic reconnection during a sawtooth crash in a high-temperature tokamak plasma. <i>Physics of Plasmas</i> , 1994, 1, 3269-3276.	0.7	134
11	Conversion of magnetic energy in the magnetic reconnection layer of a laboratory plasma. <i>Nature Communications</i> , 2014, 5, 4774.	5.8	133
12	Fusion power production from TFTR plasmas fueled with deuterium and tritium. <i>Physical Review Letters</i> , 1994, 72, 3526-3529.	2.9	130
13	Experimental investigation of three-dimensional magnetic reconnection by use of two colliding spheromaks. <i>Physics of Fluids B</i> , 1993, 5, 3691-3701.	1.7	129
14	Quasistatic Formation of the Spheromak Plasma Configuration. <i>Physical Review Letters</i> , 1981, 46, 188-191.	2.9	122
15	Measurement of Lower-Hybrid Drift Turbulence in a Reconnecting Current Sheet. <i>Physical Review Letters</i> , 2001, 88, 015001.	2.9	99
16	Progress in understanding magnetic reconnection in laboratory and space astrophysical plasmas. <i>Physics of Plasmas</i> , 2007, 14, 058102.	0.7	99
17	Fusion plasma experiments on TFTR: A 20 year retrospective. <i>Physics of Plasmas</i> , 1998, 5, 1577-1589.	0.7	91
18	Confinement and heating of a deuterium-tritium plasma. <i>Physical Review Letters</i> , 1994, 72, 3530-3533.	2.9	90

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19	Review of deuterium-tritium results from the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1995, 2, 2176-2188.	0.7	89
20	Experimental investigation of the neutral sheet profile during magnetic reconnection. <i>Physics of Plasmas</i> , 2000, 7, 1781-1787.	0.7	83
21	q-profile measurements in the Tokamak Fusion Test Reactor*. <i>Physics of Fluids B</i> , 1993, 5, 2554-2561.	1.7	80
22	Numerical study of tilt stability of prolate field-reversed configurations. <i>Physics of Plasmas</i> , 2000, 7, 4996-5006.	0.7	79
23	Identification of Y-Shaped and O-Shaped Diffusion Regions During Magnetic Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 1997, 78, 3117-3120.	2.9	78
24	A dynamic magnetic tension force as the cause of failed solar eruptions. <i>Nature</i> , 2015, 528, 526-529.	13.7	77
25	New insights into dissipation in the electron layer during magnetic reconnection. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	72
26	Lower Hybrid Instability Driven by a Spiraling Ion Beam. <i>Physical Review Letters</i> , 1976, 37, 700-703.	2.9	70
27	Tomography of full sawtooth crashes on the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1996, 3, 1647-1655.	0.7	65
28	Studies of conceptual spheromak fusion reactors. <i>Nuclear Fusion</i> , 1982, 22, 1407-1419.	1.6	63
29	Perspectives on magnetic reconnection. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160479.	1.0	63
30	Observation of Ion Acceleration and Heating during Collisionless Magnetic Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 2013, 110, 215007.	2.9	61
31	Magnetic reconnection with Sweet-Parker characteristics in two-dimensional laboratory plasmas. <i>Physics of Plasmas</i> , 1999, 6, 1743-1750.	0.7	60
32	Identification of the Electron-Diffusion Region during Magnetic Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 2008, 101, 085003.	2.9	60
33	Overview of TFTR transport studies. <i>Plasma Physics and Controlled Fusion</i> , 1991, 33, 1509-1536.	0.9	59
34	Experimental study of lower-hybrid drift turbulence in a reconnecting current sheet. <i>Physics of Plasmas</i> , 2002, 9, 3272-3288.	0.7	55
35	Cross-Field-Current Driven Lower-Hybrid Instability and Stochastic Ion Heating. <i>Physical Review Letters</i> , 1977, 38, 1529-1532.	2.9	53
36	Electrostatic ion cyclotron instabilities driven by parallel ion beam injection. <i>Physics of Fluids</i> , 1977, 20, 450.	1.4	52

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37	Ion-Beam-Driven Resonant Ion-Cyclotron Instability. <i>Physical Review Letters</i> , 1976, 36, 319-322.	2.9	50
38	Current-driven instabilities and resultant anomalous effects in isothermal, inhomogeneous plasmas. <i>Physics of Fluids</i> , 1978, 21, 1555.	1.4	49
39	Experimental study of ion heating and acceleration during magnetic reconnection. <i>Physics of Plasmas</i> , 2001, 8, 1916-1928.	0.7	49
40	Analysis of sawtooth oscillations using simultaneous measurement of electron cyclotron emission imaging and x-ray tomography on TFTR. <i>Physical Review Letters</i> , 1991, 67, 3527-3530.	2.9	48
41	Local Measurement of Nonclassical Ion Heating during Magnetic Reconnection. <i>Physical Review Letters</i> , 2000, 84, 3859-3862.	2.9	48
42	Measurement of the transverse Spitzer resistivity during collisional magnetic reconnection. <i>Physics of Plasmas</i> , 2003, 10, 319-322.	0.7	47
43	Identification of Ion-Cyclotron Drift Instability with Discrete and Continuous Spectra. <i>Physical Review Letters</i> , 1974, 33, 1076-1079.	2.9	45
44	Three-dimensional, impulsive magnetic reconnection in a laboratory plasma. <i>Geophysical Research Letters</i> , 2013, 40, 233-238.	1.5	44
45	Review of controlled laboratory experiments on physics of magnetic reconnection. <i>Journal of Geophysical Research</i> , 1999, 104, 14529-14541.	3.3	43
46	Overview of DT results from TFTR. <i>Nuclear Fusion</i> , 1995, 35, 1429-1436.	1.6	41
47	Understanding the dynamics and energetics of magnetic reconnection in a laboratory plasma: Review of recent progress on selected fronts. <i>Physics of Plasmas</i> , 2016, 23, .	0.7	41
48	Ion-acoustic instability in the positive column of a helium discharge. <i>Physics of Fluids</i> , 1973, 16, 871.	1.4	39
49	Evolution of the ion-acoustic instability in a direct-current discharge plasma. <i>Physics of Fluids</i> , 1975, 18, 361.	1.4	39
50	An electromagnetic drift instability in the magnetic reconnection experiment and its importance for magnetic reconnection. <i>Physics of Plasmas</i> , 2005, 12, 082301.	0.7	36
51	High-beta operation and magnetohydrodynamic activity on the TFTR tokamak. <i>Physics of Fluids B</i> , 1990, 2, 1287-1290.	1.7	35
52	Sawtooth stabilization by localized electron cyclotron heating in a tokamak plasma. <i>Physical Review Letters</i> , 1991, 66, 1974-1977.	2.9	35
53	TFTR DT experiments. <i>Plasma Physics and Controlled Fusion</i> , 1997, 39, B103-B114.	0.9	35
54	Measurements of the parallel and transverse Spitzer resistivities during collisional magnetic reconnection. <i>Physics of Plasmas</i> , 2006, 13, 055703.	0.7	35

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55	Laboratory Study of Magnetic Reconnection with a Density Asymmetry across the Current Sheet. <i>Physical Review Letters</i> , 2014, 113, 095002.	2.9	35
56	Kinetic effects on the stability properties of field-reversed configurations. II. Nonlinear evolution. <i>Physics of Plasmas</i> , 2004, 11, 2523-2531.	0.7	34
57	Bulk ion acceleration and particle heating during magnetic reconnection in a laboratory plasma. <i>Physics of Plasmas</i> , 2014, 21, .	0.7	34
58	Laboratory Observation of Resistive Electron Tearing in a Two-Fluid Reconnecting Current Sheet. <i>Physical Review Letters</i> , 2016, 117, 095001.	2.9	34
59	Review of the recent controlled experiments for study of local reconnection physics. <i>Earth, Planets and Space</i> , 2001, 53, 509-519.	0.9	33
60	Magnetic reconnection in partially ionized plasmas. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	33
61	Electromagnetic instability of thin reconnection layers: Comparison of three-dimensional simulations with MRX observations. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	31
62	Saturation of the Ion-Acoustic Instability in a Weakly Ionized Plasma. <i>Physical Review Letters</i> , 1974, 32, 99-102.	2.9	30
63	Numerical study of global stability of oblate field-reversed configurations. <i>Physics of Plasmas</i> , 2001, 8, 1267.	0.7	30
64	Global magnetic fluctuations in spheromak plasmas and relaxation toward a minimum-energy state. <i>Physics of Fluids</i> , 1985, 28, 3667.	1.4	29
65	Relaxation Phenomena in the High-Temperature S-1 Spheromak. <i>Physical Review Letters</i> , 1988, 61, 2847-2850.	2.9	29
66	Two-dimensional fully kinetic simulations of driven magnetic reconnection with boundary conditions relevant to the Magnetic Reconnection Experiment. <i>Physics of Plasmas</i> , 2008, 15, .	0.7	29
67	Experimental Verification of the Role of Electron Pressure in Fast Magnetic Reconnection with a Guide Field. <i>Physical Review Letters</i> , 2017, 118, 125002.	2.9	29
68	Studies of global stability of field-reversed configuration plasmas using a rigid body model. <i>Physics of Plasmas</i> , 1998, 5, 3685-3693.	0.7	28
69	Study of energy conversion and partitioning in the magnetic reconnection layer of a laboratory	0.7	28
70	Deuterium-tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1997, 4, 1714-1724.	0.7	27
71	Kinetic effects on the stability properties of field-reversed configurations. I. Linear stability. <i>Physics of Plasmas</i> , 2003, 10, 2361-2371.	0.7	27
72	An obliquely propagating electromagnetic drift instability in the lower hybrid frequency range. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	27

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73	Experimental study of the Hall effect and electron diffusion region during magnetic reconnection in a laboratory plasma. <i>Physics of Plasmas</i> , 2008, 15, 082113.	0.7	27
74	Relaxation of spheromak plasmas toward a minimum-energy state and global magnetic fluctuations. <i>Physical Review Letters</i> , 1985, 55, 2868-2871.	2.9	26
75	Verification of the Taylor (minimum energy) state in a spheromak. <i>Physics of Fluids</i> , 1986, 29, 1994.	1.4	25
76	Initial results from investigation of three-dimensional magnetic reconnection in a laboratory plasma. <i>Physics of Fluids B</i> , 1991, 3, 2379-2386.	1.7	25
77	Observation of ballooning modes in high-temperature tokamak plasmas. <i>Physical Review Letters</i> , 1992, 69, 2376-2379.	2.9	25
78	Driven magnetic reconnection near the Dreicer limit. <i>Physics of Plasmas</i> , 2010, 17, .	0.7	25
79	Numerical study of the formation, ion spin-up and nonlinear stability properties of field-reversed configurations. <i>Nuclear Fusion</i> , 2006, 46, 162-170.	1.6	24
80	Status and Plans for TFTR. <i>Fusion Science and Technology</i> , 1992, 21, 1324-1331.	0.6	23
81	ECE image reconstruction of partial sawtooth crashes in ohmic plasmas. <i>Nuclear Fusion</i> , 1996, 36, 521-526.	1.6	23
82	Quantitative Study of Guide-Field Effects on Hall Reconnection in a Laboratory Plasma. <i>Physical Review Letters</i> , 2012, 109, 165002.	2.9	23
83	Electron Inflow Velocities and Reconnection Rates at Earth's Magnetopause and Magnetosheath. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089082.	1.5	23
84	Advances in the numerical modeling of field-reversed configurations. <i>Physics of Plasmas</i> , 2006, 13, 056115.	0.7	22
85	Equilibrium and stability studies of oblate field-reversed configurations in the Magnetic Reconnection Experiment. <i>Physics of Plasmas</i> , 2006, 13, 112508.	0.7	22
86	Coupling between Global Geometry and the Local Hall Effect Leading to Reconnection-Layer Symmetry Breaking. <i>Physical Review Letters</i> , 2006, 97, 135002.	2.9	22
87	Investigation of ballooning modes in high poloidal beta plasmas in the Tokamak Fusion Test Reactor*. <i>Physics of Fluids B</i> , 1993, 5, 2571-2577.	1.7	21
88	Experimental control of the spheromak tilting instability. <i>Physics of Fluids</i> , 1985, 28, 1525.	1.4	19
89	Tomography of (2, 1) and (3, 2) magnetic island structures on Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1996, 3, 2631-2640.	0.7	19
90	Experimental observation of 3-D, impulsive reconnection events in a laboratory plasma. <i>Physics of Plasmas</i> , 2014, 21, 012109.	0.7	19

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91	Influence of Collisions on the Ion-Acoustic Instability in a Weakly Ionized Plasma. Journal of the Physical Society of Japan, 1969, 27, 758-763.	0.7	18
92	Anomalous dc Resistivity and Turbulent Ion Heating in Isothermal Plasmas. Physical Review Letters, 1975, 34, 650-653.	2.9	18
93	Deuterium and tritium experiments on TFTR. Plasma Physics and Controlled Fusion, 1994, 36, B3-B15.	0.9	18
94	Plasma-surface interactions in TFTR DT experiments. Journal of Nuclear Materials, 1995, 220-222, 62-72.	1.3	18
95	Electron heating and energy inventory during asymmetric reconnection in a laboratory plasma. Journal of Geophysical Research: Space Physics, 2017, 122, 9264-9281.	0.8	18
96	The two-fluid dynamics and energetics of the asymmetric magnetic reconnection in laboratory and space plasmas. Nature Communications, 2018, 9, 5223.	5.8	18
97	Magnetic Reconnection in Three Dimensions: Modeling and Analysis of Electromagnetic Drift Waves in the Adjacent Current Sheet. Journal of Geophysical Research: Space Physics, 2019, 124, 10085-10103.	0.8	18
98	Experimental verification of the Kruskal-Shafranov stability limit in line-tied partial-toroidal plasmas. Physics of Plasmas, 2011, 18, .	0.7	17
99	Energy transfer and electron energization in collisionless magnetic reconnection for different guide-field intensities. Physics of Plasmas, 2018, 25, .	0.7	17
100	Energy Conversion and Partition in the Asymmetric Reconnection Diffusion Region. Journal of Geophysical Research: Space Physics, 2018, 123, 8185-8205.	0.8	17
101	Whistler Wave Generation by Anisotropic Tail Electrons During Asymmetric Magnetic Reconnection in Space and Laboratory. Geophysical Research Letters, 2018, 45, 8054-8061.	1.5	17
102	Effect of neutral particles on the energy confinement of spheromaks. Physics of Fluids B, 1990, 2, 115-122.	1.7	16
103	Role of neutral-beam fuelling profile in energy confinement and neutron emission on TFTR. Nuclear Fusion, 1994, 34, 1271-1276.	1.6	16
104	Lower Hybrid Drift Waves During Guide Field Reconnection. Geophysical Research Letters, 2020, 47, e2020GL087192.	1.5	16
105	Theoretical analysis of driven magnetic reconnection experiments. Physics of Plasmas, 1996, 3, 1220-1233.	0.7	15
106	Laboratory Study of Hall Reconnection in Partially Ionized Plasmas. Physical Review Letters, 2013, 110, 015001.	2.9	15
107	Laboratory study of low- $\beta$ forces in arched, line-tied magnetic flux ropes. Physics of Plasmas, 2016, 23, .	0.7	15
108	Parametric Lower-Hybrid Instability Driven by Modulated Electron-Beam Injection. Physical Review Letters, 1978, 41, 1045-1048.	2.9	14

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109	Mechanisms of impulsive magnetic reconnection: Global and local aspects. <i>Physics of Plasmas</i> , 2011, 18, .	0.7	14
110	Kinetic Simulations of Magnetic Reconnection in Partially Ionized Plasmas. <i>Physical Review Letters</i> , 2019, 122, 015101.	2.9	14
111	Diagnostics for investigation of magnetic reconnection in sawtooth crash on TFTR. <i>Review of Scientific Instruments</i> , 1992, 63, 4623-4626.	0.6	13
112	Effects of global boundary and local collisionality on magnetic reconnection in a laboratory plasma. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	13
113	Global stability study of the ultralow aspect ratio tokamak, ULART. <i>Nuclear Fusion</i> , 1996, 36, 1210-1216.	1.6	12
114	The role of the neutral beam fueling profile in the performance of the Tokamak Fusion Test Reactor and other tokamak plasmas. <i>Physics of Plasmas</i> , 1997, 4, 1699-1706.	0.7	12
115	Steady State Thermoelectric Field-Reversed Configurations. <i>Physical Review Letters</i> , 1999, 83, 2969-2972.	2.9	12
116	Inductive Sustainment of a Field-Reversed Configuration Stabilized by Shaping, Magnetic Diffusion, and Finite-Larmor-Radius Effects. <i>Physical Review Letters</i> , 2007, 99, 245003.	2.9	12
117	Energy Conversion by Parallel Electric Fields During Guide Field Reconnection in Scaled Laboratory and Space Experiments. <i>Geophysical Research Letters</i> , 2018, 45, 12,677.	1.5	12
118	Anomalous Slowing of a Perpendicularly Injected Ion Beam in Both Quasilinear and Trapping Regimes. <i>Physical Review Letters</i> , 1977, 39, 808-811.	2.9	11
119	Inductive Sustainment of Spheromaks. <i>Fusion Science and Technology</i> , 1986, 9, 58-68.	0.6	11
120	Measurement of the local carbon diffusion coefficient in the S-I spheromak. <i>Nuclear Fusion</i> , 1989, 29, 1493-1504.	1.6	11
121	Experimental study of the relaxation cycle of a decaying spheromak in an external magnetic field. <i>Physics of Fluids B</i> , 1991, 3, 1452-1460.	1.7	11
122	Understanding the Dynamics of Magnetic Reconnection Layer. <i>Space Science Reviews</i> , 2011, 160, 25-43.	3.7	11
123	Whistler wave generation by electron temperature anisotropy during magnetic reconnection at the magnetopause. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	11
124	S-I Spheromak. <i>Nuclear Fusion</i> , 1985, 25, 1327-1330.	1.6	10
125	Deuterium-Tritium Experiments on the Tokamak Fusion Test Reactor. <i>Fusion Science and Technology</i> , 1994, 26, 389-398.	0.6	10
126	Study of the effects of guide field on Hall reconnection. <i>Physics of Plasmas</i> , 2013, 20, .	0.7	10



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127	A Self-Organized Plasma with Induction, Reconnection, and Injection Techniques: the SPIRIT Concept for Field Reversed Configuration Research. Plasma and Fusion Research, 2007, 2, 004-004.	0.3	9
128	Quasi-static and dynamic magnetic tension forces in arched, line-tied magnetic flux ropes. Plasma Physics and Controlled Fusion, 2017, 59, 014048.	0.9	9
129	Onset of fast magnetic reconnection and particle energization in laboratory and space plasmas. Journal of Plasma Physics, 2020, 86, .	0.7	8
130	Ion-beam-driven lower-hybrid instability and resultant anomalous beam slowing. Nuclear Fusion, 1979, 19, 469-483.	1.6	7
131	Review of Experimental Spheromak Research and Future Prospects. Fusion Science and Technology, 1986, 9, 38-47.	0.6	7
132	Preparations for deuterium-tritium experiments on the Tokamak Fusion Test Reactor*. Physics of Plasmas, 1994, 1, 1560-1567.	0.7	7
133	Local measurements of plasma ion dynamics with optical probes. Review of Scientific Instruments, 2006, 77, 10F112.	0.6	7
134	Experimental investigation of magnetic compression of a spheromak plasma. Physics of Fluids B, 1990, 2, 3074-3080.	1.7	6
135	Confinement and power balance in the S-1 spheromak. Nuclear Fusion, 1990, 30, 871-879.	1.6	6
136	Modeling of magnetic island formation in magnetic reconnection experiment. Physics of Plasmas, 1999, 6, 1253-1257.	0.7	6
137	Study of local reconnection physics in a laboratory plasma. Earth, Planets and Space, 2001, 53, 539-545.	0.9	6
138	Experimental evaluation of common spacecraft data analysis techniques for reconnection region analysis in a laboratory plasma. Journal of Geophysical Research, 2012, 117, .	3.3	6
139	Fundamental Concepts Associated with Magnetic Reconnection. Astrophysics and Space Science Library, 2016, , 1-32.	1.0	6
140	The effect of a column inductive transformer on the S-1 Spheromak. Nuclear Fusion, 1986, 26, 647-655.	1.6	5
141	Particle diffusion in a spheromak. Physical Review Letters, 1988, 60, 933-936.	2.9	5
142	Sawtooth stabilization by electron cyclotron heating at the q=1 surface in the W7-AS tokamak. Physics of Fluids B, 1991, 3, 2200-2204.	1.7	5
143	Experimental investigation on tilt stabilizing effect of external toroidal field in low aspect ratio tokamak. Physics of Plasmas, 1997, 4, 315-322.	0.7	5
144	Study of magnetic reconnection in collisional and collisionless plasmas in Magnetic Reconnection Experiment (MRX). Proceedings of the International Astronomical Union, 2010, 6, 10-17.	0.0	5

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145	Study of Magnetic Helicity and Relaxation Phenomena in Laboratory Plasmas. Geophysical Monograph Series, 0, , 129-140.	0.1	5
146	Energy Conversion and Inventory of a Prototypical Magnetic Reconnection layer. Astrophysics and Space Science Library, 2016, , 143-179.	1.0	5
147	A mechanism to produce a dawn-dusk component of plasma flow during magnetic reconnection in the magnetotail. Journal of Geophysical Research, 1994, 99, 5869.	3.3	4
148	Fusion Energy Science Opportunities in Emerging Concepts. Journal of Fusion Energy, 1999, 18, 13-17.	0.5	4
149	Recent Advances in the SPIRIT (Self-organized Plasma with Induction, Reconnection, and Injection) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	4
150	Field-reversed configuration formation scheme utilizing a spheromak and solenoid induction. Physics of Plasmas, 2008, 15, 032503.	0.7	4
151	Electromagnetic fluctuations during guide field reconnection in a laboratory plasma. Physics of Plasmas, 2018, 25, 052120.	0.7	4
152	Experimental study of a transformer-driven spheromak plasma. Physics of Fluids B, 1991, 3, 2591-2600.	1.7	3
153	Formation and sustainment of field reversed configuration (FRC) plasmas by spheromak merging and neutral beam injection. AIP Conference Proceedings, 2016, , .	0.3	3
154	Magnetic Reconnection, Turbulence, and Collisionless Shock. Astrophysics and Space Science, 2005, 298, 219-226.	0.5	2
155	Inductive sustainment of oblate field-reversed configurations with the assistance of magnetic diffusion, shaping, and finite-Larmor radius stabilization. Physics of Plasmas, 2008, 15, 022503.	0.7	2
156	New method for inductively forming an oblate field reversed configuration from a spheromak. Nuclear Fusion, 2008, 48, 032001.	1.6	2
157	Magnetic Reconnection, a Key Self-Organization Process in Laboratory and Astrophysical Plasmas: Recent Research Progress. Progress of Theoretical Physics Supplement, 2012, 195, 167-184.	0.2	2
158	Numerical study of coronal plasma jet formation. Physics of Plasmas, 2021, 28, .	0.7	2
159	Effects of Coulomb collisions on lower hybrid drift waves inside a laboratory reconnection current sheet. Physics of Plasmas, 2022, 29, 022109.	0.7	2
160	RECENT ADVANCES IN THE SPIRIT (SELF-ORGANIZED PLASMA WITH INDUCTION, RECONNECTION, AND) Tj ETQq0 0 0 rgBT /Overlock 1		
161	Detection of an electron beam in a high density plasma via an electrostatic probe. Plasma Physics and Controlled Fusion, 2018, 60, 075001.	0.9	1
162	Study of the Ultra Low Aspect Ratio Tokamak, ULART. Fusion Science and Technology, 1995, 27, 161-168.	0.6	1

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163	Deuterium-tritium experiments on TFTR. AIP Conference Proceedings, 1995, , .	0.3	0
164	Lab- and space-based researchers discuss plasma experiments. Eos, 1996, 77, 123.	0.1	0
165	ECE image reconstruction for the investigation of MHD relaxation phenomena. Fusion Engineering and Design, 1997, 34-35, 483-486.	1.0	0
166	Study of Magnetic Reconnection in a Laboratory Experiment. AIP Conference Proceedings, 2005, , .	0.3	0
167	Recent Experiments on Magnetic Reconnection in Laboratory Plasmas. Geophysical Monograph Series, 0, , 215-223.	0.1	0
168	Understanding the Dynamics of Magnetic Reconnection Layer. , 2011, , 25-43.		0