

# Chio Z Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/774645/publications.pdf>

Version: 2024-02-01

234  
papers

10,550  
citations

30070

54  
h-index

42399

92  
g-index

246  
all docs

246  
docs citations

246  
times ranked

3868  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma heating and current sheet structure in anti-parallel magnetic reconnection. <i>Physics of Plasmas</i> , 2021, 28, 072101.	1.9	0
2	Response to "Comment on "Theory of Alfvén-slow frequency gaps and discovery of Alfvén-slow eigenmodes in tokamaks" [Phys. Plasmas 28, 074701, (2021)]. <i>Physics of Plasmas</i> , 2021, 28, 074702.	1.9	1
3	Global ion heating/transport during merging spherical tokamak formation. <i>Nuclear Fusion</i> , 2021, 61, 106027.	3.5	3
4	Simulation of the eigenmode spectrum below the Toroidicity-induced Alfvén eigenmode gap generated by the coupling of Alfvén and slow-magnetosonic waves in tokamaks. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 075012.	2.1	8
5	Observation of clump structure in transported particle orbit using an upgraded neutral particle analyzer during TAE burst in LHD. <i>Nuclear Fusion</i> , 2020, 60, 112002.	3.5	8
6	Role of fast-ion transport manipulating safety factor profile in KSTAR early diverting discharges. <i>Nuclear Fusion</i> , 2020, 60, 126023.	3.5	7
7	Reconnection heating experiments and simulations for torus plasma merging start-up. <i>Nuclear Fusion</i> , 2019, 59, 076025.	3.5	13
8	Theory of Alfvén-slow frequency gaps and discovery of Alfvén-slow eigenmodes in tokamaks. <i>Physics of Plasmas</i> , 2019, 26, 082508.	1.9	11
9	ERG observations of drift echoes during a unique period of the satellite mission. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	0
10	Magnetic island dynamics in magnetic reconnection in UTST experiments. <i>Physics of Plasmas</i> , 2018, 25, 012126.	1.9	2
11	Effects of Multiple Pulses on Decomposition of Hydrocarbons for Hydrogen Production. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 962-966.	1.3	2
12	Energy conversion mechanism for electron perpendicular energy in high guide-field reconnection. <i>Physics of Plasmas</i> , 2017, 24, 032901.	1.9	5
13	Self-adjustment and disintegration threshold of Langmuir solitons in inhomogeneous plasmas. <i>Physical Review E</i> , 2017, 95, 033205.	2.1	0
14	Recent progress of magnetic reconnection research in the MAST spherical tokamak. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	15
15	<i>Nuclear Fusion</i> special issue containing magnetic confinement plasmas papers presented at the <i>18th Int. Congress on Plasma Physics (ICPP-2016) (Kaohsiung, Taiwan, 27 June–1 July 2016)</i>. <i>Nuclear Fusion</i> , 2017, 57, 070201.	3.5	0
16	Investigation of merging/reconnection heating during solenoid-free startup of plasmas in the MAST Spherical Tokamak. <i>Nuclear Fusion</i> , 2017, 57, 056037.	3.5	18
17	Foreword to Special Issue: 18th International Congress on Plasma Physics (ICPP-2016), June 27–July 1, 2016, held in Kaohsiung, Taiwan. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 100101.	2.1	0
18	Distribution of water-group ion cyclotron waves in Saturn's magnetosphere. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	5

#	ARTICLE	IF	CITATIONS
19	Correction to: Distribution of water-group ion cyclotron waves in Saturn's magnetosphere. Earth, Planets and Space, 2017, 69, .	2.5	0
20	Application of Tomographic Ion Doppler Spectroscopy to Merging Plasma Startup in the MAST Spherical Tokamak. Plasma and Fusion Research, 2016, 11, 1302093-1302093.	0.7	8
21	Decoupling of Electron and Ion Dynamics in Driven Magnetic Reconnection in Collisionless Plasmas. Plasma and Fusion Research, 2016, 11, 1401081-1401081.	0.7	2
22	Electron and Ion Heating Characteristics during Magnetic Reconnection in the MAST Spherical Tokamak. Physical Review Letters, 2015, 115, 215004.	7.8	34
23	Physical processes of driven magnetic reconnection in collisionless plasmas: Zero guide field case. Physics of Plasmas, 2015, 22, .	1.9	19
24	Electron temperature and density probe for small aeronomy satellites. Review of Scientific Instruments, 2015, 86, 084703.	1.3	9
25	Relationship between wave-like auroral arcs and Pi2 disturbances in plasma sheet prior to substorm onset. Earth, Planets and Space, 2015, 67, 168.	2.5	17
26	Alpha particle transport in the presence of ballooning type electrostatic driftwaves. Nuclear Fusion, 2015, 55, 073016.	3.5	1
27	Hydrogen Production From Hydrocarbons Using Plasma: Effect of Discharge Pulsewidth on Decomposition. IEEE Transactions on Plasma Science, 2015, 43, 3500-3506.	1.3	6
28	Numerical study of energy conversion mechanism of magnetic reconnection in the presence of high guide field. Nuclear Fusion, 2015, 55, 083014.	3.5	16
29	Multichannel microwave interferometer with an antenna switching system for electron density measurement in a laboratory plasma experiment. Review of Scientific Instruments, 2014, 85, 023507.	1.3	3
30	Hydrogen Production From Hydrocarbons With Use of Plasma Discharges Under High Pressure Condition. IEEE Transactions on Plasma Science, 2014, 42, 3674-3680.	1.3	9
31	Efficient Production of Hydrogen by DBD Type Plasma Discharges. IEEE Transactions on Plasma Science, 2014, 42, 3765-3771.	1.3	12
32	Electrode contamination effects of retarding potential analyzer. Review of Scientific Instruments, 2014, 85, 015104.	1.3	6
33	Guiding Center Orbit Following Calculation of Edge Particle and Heat Transport in Stochastic Magnetic Field. Contributions To Plasma Physics, 2014, 54, 479-483.	1.1	0
34	Kappa Distribution Function Effects on Landau Damping in Electrostatic Vlasov Simulation. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 273.	0.6	4
35	Anomalous Diffusion and Ion Heating in the Presence of Electrostatic Hydrogen Cyclotron Instabilities. Geophysical Monograph Series, 2013, , 283-287.	0.1	3
36	Electron Acceleration by Magnetic Reconnection During Spherical Tokamak Merging Experiment. IEEE Transactions on Fundamentals and Materials, 2013, 133, 166-172.	0.2	2

#	ARTICLE	IF	CITATIONS
37	Electron temperature probe. , 2013, , 91-105.		3
38	Behavior of substorm auroral arcs and Pi2 waves: implication for the kinetic ballooning instability. Annales Geophysicae, 2012, 30, 911-926.	1.6	13
39	Means to remove electrode contamination effect of Langmuir probe measurement in space. Review of Scientific Instruments, 2012, 83, 055113.	1.3	28
40	Ion and electron heating characteristics of magnetic reconnection in tokamak plasma merging experiments. Plasma Physics and Controlled Fusion, 2012, 54, 124039.	2.1	52
41	ASYMMETRY OF HARD X-RAY EMISSIONS AT CONJUGATE FOOTPOINTS IN SOLAR FLARES. Astrophysical Journal, 2012, 756, 42.	4.5	7
42	Experimental and numerical study of electromagnetically induced transparency in magnetized plasmas. Plasma Physics and Controlled Fusion, 2012, 54, 124022.	2.1	1
43	Experimental Identification of Electromagnetically Induced Transparency in Magnetized Plasma. Physical Review Letters, 2012, 108, 075003.	7.8	6
44	Latitudinal distribution of anomalous ion density as a precursor of a large earthquake. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	37
45	Evolution of large-scale magnetosonic structures to trains of solitary waves. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	4
46	The neutral temperature in the ionospheric dynamo region and the ionospheric F region density during Wenchuan and Pingtung Doublet earthquakes. Natural Hazards and Earth System Sciences, 2011, 11, 1759-1768.	3.6	24
47	Lithium plasma emitter for collisionless magnetized plasma experiment. Review of Scientific Instruments, 2011, 82, 093502.	1.3	10
48	Ion and Electron Heating Characteristics of Magnetic Reconnection in a Two Flux Loop Merging Experiment. Physical Review Letters, 2011, 107, 185001.	7.8	63
49	ESTIMATION OF THE RECONNECTION ELECTRIC FIELD IN THE 2003 OCTOBER 29 X10 FLARE. Astrophysical Journal, 2011, 732, 15.	4.5	19
50	Possible interaction between thermal electrons and vibrationally excited N&lt;sub>2</sub> in the lower E-region. Annales Geophysicae, 2011, 29, 583-590.	1.6	7
51	Evolution of the Earth's Magnetosphere Loaded with a Transiently Enhanced Ring Current. Journal of the Korean Physical Society, 2011, 58, 1206-1218.	0.7	0
52	Modeling of Saturn's magnetosphere during Voyager 1 and Voyager 2 encounters. Journal of Geophysical Research, 2010, 115, .	3.3	6
53	A STATISTICAL STUDY OF HARD X-RAY FOOTPOINT MOTIONS IN LARGE SOLAR FLARES. Astrophysical Journal, 2009, 693, 132-139.	4.5	45
54	Modelling of mirror mode structures as propagating slow magnetosonic solitons. Annales Geophysicae, 2009, 27, 4379-4389.	1.6	6

#	ARTICLE	IF	CITATIONS
55	Global Ionospheric Structure Imaged by FORMOSAT-3/COSMIC: Early Results. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 171.	0.6	11
56	Ionospheric Electron Density Concurrently Derived by TIP and GOX of FORMOSAT-3/COSMIC. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 207.	0.6	7
57	Preface to the Special Issue on FORMOSAT-3/COSMIC Mission Early Results. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 1.	0.6	2
58	GPS Radio Occultation: Results from CHAMP, GRACE and FORMOSAT-3/COSMIC. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 35.	0.6	96
59	ARGO Science Mission. , 2009, , .		0
60	Radio Occultation Retrieval of Atmospheric Profiles from the FORMOSAT-3/COSMIC Mission: Early Results. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 21.	0.6	3
61	Measurements, modelling and electron cyclotron heating modification of Alfvén eigenmode activity in DIII-D. <i>Nuclear Fusion</i> , 2009, 49, 065003.	3.5	56
62	Three-dimensional ionospheric electron density structure of the Weddell Sea Anomaly. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	86
63	Reversed shear Alfvén eigenmodes in the frequency range of the triangularity induced gap on JET. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 082001.	2.1	8
64	Confinement degradation and transport of energetic ions due to Alfvén eigenmodes in JT-60U weak shear plasmas. <i>Nuclear Fusion</i> , 2007, 47, 849-855.	3.5	26
65	Variations in the equatorial ionization anomaly peaks in the Western Pacific region during the geomagnetic storms of April 6 and July 15, 2000. <i>Earth, Planets and Space</i> , 2007, 59, 401-405.	2.5	22
66	Chapter 5: Physics of energetic ions. <i>Nuclear Fusion</i> , 2007, 47, S264-S284.	3.5	478
67	Observation of confinement degradation of energetic ions due to Alfvén eigenmodes in JT-60U weak shear plasmas. <i>Nuclear Fusion</i> , 2006, 46, S898-S903.	3.5	16
68	Traditional Massage of Newborns in Nepal: Implications for Trials of Improved Practice. <i>Journal of Tropical Pediatrics</i> , 2005, 51, 82-86.	1.5	90
69	Energetic ion transport by abrupt large-amplitude event induced by negative-ion-based neutral beam injection in the JT-60U. <i>Nuclear Fusion</i> , 2005, 45, 1474-1480.	3.5	44
70	Properties of low and medium frequency modes in two-fluid plasma. <i>Physics of Plasmas</i> , 2005, 12, 052113.	1.9	10
71	Alfvén eigenmodes in reversed shear plasmas in JT-60U negative-ion-based neutral beam injection discharges. <i>Physics of Plasmas</i> , 2005, 12, 082509.	1.9	40
72	Effect of storm-time plasma pressure on the magnetic field in the inner magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	28

#	ARTICLE	IF	CITATIONS
73	Magnetic field fluctuations during substorm-associated dipolarizations in the nightside plasma sheet around $X=10R_E$ . <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	36
74	Toward a global magnetospheric equilibrium model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	7
75	3-D force-balanced magnetospheric configurations. <i>Annales Geophysicae</i> , 2004, 22, 251-265.	1.6	49
76	Energetic particle physics in JT-60U and JFT-2M. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, S31-S45.	2.1	44
77	Finite pressure effects on reversed shear Alfvén eigenmodes. <i>Plasma Physics and Controlled Fusion</i> , 2004, 46, L23-L29.	2.1	42
78	Trapped electron stabilization of ballooning modes in low aspect ratio toroidal plasmas. <i>Physics of Plasmas</i> , 2004, 11, 4784-4795.	1.9	15
79	Beam ion driven instabilities in the National Spherical Tokamak Experiment. <i>Physics of Plasmas</i> , 2004, 11, 2586-2593.	1.9	36
80	Physics of Substorm Growth Phase, Onset, and Dipolarization. <i>Space Science Reviews</i> , 2004, 113, 207-270.	8.1	70
81	MHD ballooning instability in the plasma sheet. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	42
82	Substorm injection modeling with nondipolar, time-dependent background field. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	27
83	Magnetic Reconnection and Mass Acceleration in Flare-Coronal Mass Ejection Events. <i>Astrophysical Journal</i> , 2004, 604, 900-905.	4.5	178
84	LOW ATMOSPHERE RECONNECTIONS ASSOCIATED WITH AN ERUPTIVE SOLAR FLARE. <i>Journal of the Korean Astronomical Society</i> , 2004, 37, 41-53.	1.5	25
85	Field line resonances in quiet and disturbed time three-dimensional magnetospheres. <i>Journal of Geophysical Research</i> , 2003, 108, SMP 1-1.	3.3	18
86	Can an isotropic plasma pressure distribution be in force balance with the T96 model field?. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	20
87	MHD field line resonances and global modes in three-dimensional magnetic fields. <i>Journal of Geophysical Research</i> , 2003, 108, SMP 2-1.	3.3	18
88	Near-Earth thin current sheets and Birkeland currents during substorm growth phase. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	4.0	31
89	Self-consistent equilibrium model of low aspect-ratio toroidal plasma with energetic beam ions. <i>Physics of Plasmas</i> , 2003, 10, 3240-3251.	1.9	53
90	New Interpretation of Alpha-Particle-Driven Instabilities in Deuterium-Tritium Experiments on the Tokamak Fusion Test Reactor. <i>Physical Review Letters</i> , 2003, 91, 125003.	7.8	83

#	ARTICLE	IF	CITATIONS
91	Theory and observations of high frequency Alfvén eigenmodes in low aspect ratio plasmas. Nuclear Fusion, 2003, 43, 228-233.	3.5	53
92	Wave driven fast ion loss in the National Spherical Torus Experiment. Physics of Plasmas, 2003, 10, 2852-2862.	1.9	58
93	Overview of JT-60U results leading to high integrated performance in reactor-relevant regimes. Nuclear Fusion, 2003, 43, 1527-1539.	3.5	32
94	Study of thermonuclear Alfvén instabilities in next step burning plasma proposals. Nuclear Fusion, 2003, 43, 594-605.	3.5	60
95	Flux Rope Acceleration and Enhanced Magnetic Reconnection Rate. Astrophysical Journal, 2003, 596, 1341-1346.	4.5	40
96	Kinetic Alfvén waves at the magnetopause mode conversion, transport and formation of LLBL. Geophysical Monograph Series, 2003, , 211-221.	0.1	3
97	RELATIONSHIP BETWEEN CME KINEMATICS AND FLARE STRENGTH. Journal of the Korean Astronomical Society, 2003, 36, 61-66.	1.5	39
98	A model of solar flares based on arcade field reconnection and merging of magnetic islands. Physics of Plasmas, 2002, 9, 2330-2336.	1.9	4
99	Study of the effect of compressional Alfvén modes on thermal transport in the National Spherical Torus Experiment. Physics of Plasmas, 2002, 9, 2069-2076.	1.9	23
100	Compressional Alfvén eigenmode dispersion in low aspect ratio plasmas. Physics of Plasmas, 2002, 9, 3483-3488.	1.9	19
101	Recent progress of Alfvén eigenmode experiments using N-NB in JT-60U tokamak. Nuclear Fusion, 2002, 42, 942-948.	3.5	52
102	Compressional Alfvén eigenmode instability in NSTX. Nuclear Fusion, 2002, 42, 977-985.	3.5	42
103	On properties of compressional Alfvén eigenmode instability driven by super-Alfvénic ions. Nuclear Fusion, 2002, 42, 1216-1220.	3.5	2
104	Energy of Force-free Magnetic Fields in Relation to Coronal Mass Ejections. Astrophysical Journal, 2002, 574, L179-L182.	4.5	23
105	JT-60 Program. Fusion Science and Technology, 2002, 42, 179-184.	1.1	10
106	Signatures of mode conversion and kinetic Alfvén waves at the magnetopause. Geophysical Research Letters, 2001, 28, 227-230.	4.0	74
107	Stochastic ion heating at the magnetopause due to kinetic Alfvén waves. Geophysical Research Letters, 2001, 28, 4421-4424.	4.0	143
108	Resonance frequency of stretched magnetic field lines based on a self-consistent equilibrium magnetosphere model. Journal of Geophysical Research, 2001, 106, 25793-25802.	3.3	22

#	ARTICLE	IF	CITATIONS
109	Solar flare mechanism based on magnetic arcade reconnection and island merging. Earth, Planets and Space, 2001, 53, 597-604.	2.5	4
110	Alfvén eigenmodes driven by Alfvénic beam ions in JT-60U. Nuclear Fusion, 2001, 41, 603-612.	3.5	93
111	Magnetic safety factor profile before and after sawtooth crashes investigated with toroidicity and ellipticity induced Alfvén eigenmodes. Nuclear Fusion, 2001, 41, 1135-1151.	3.5	37
112	The toroidicity-induced Alfvén eigenmode structure in DIII-D: Implications of soft x-ray and beam-ion loss data. Physics of Plasmas, 2001, 8, 3391-3401.	1.9	28
113	Observation of Compressional Alfvén Modes During Neutral-Beam Heating on the National Spherical Torus Experiment. Physical Review Letters, 2001, 87, 145001.	7.8	77
114	Fast particle experiments in JT-60U. Nuclear Fusion, 2000, 40, 1383-1396.	3.5	47
115	Stability properties of toroidal Alfvén modes driven by fast particles. Nuclear Fusion, 2000, 40, 1311-1323.	3.5	26
116	Fast particle destabilization of toroidicity-induced Alfvén eigenmodes in the National Spherical Torus Experiment. Physics of Plasmas, 2000, 7, 1433-1436.	1.9	8
117	Particle transport and energization associated with substorms. Journal of Geophysical Research, 2000, 105, 18741-18752.	3.3	70
118	A Model of Solar Flares and Their Homologous Behavior. Astrophysical Journal, 2000, 541, 449-467.	4.5	38
119	Destabilization of ellipticity-induced Alfvén eigenmodes during ICRF heating and stabilization by negative-ion-based neutral beam injection in JT-60U. Plasma Physics and Controlled Fusion, 1999, 41, 1167-1177.	2.1	5
120	Characteristics of Alfvén eigenmodes, burst modes and chirping modes in the Alfvén frequency range driven by negative ion based neutral beam injection in JT-60U. Nuclear Fusion, 1999, 39, 1837-1843.	3.5	74
121	Frequency Chirping of Core-Localized Toroidicity-Induced Alfvén Eigenmodes and their Coupling to Global Alfvén Eigenmodes. Physical Review Letters, 1999, 83, 2961-2964.	7.8	24
122	A kinetic-fluid model. Journal of Geophysical Research, 1999, 104, 413-427.	3.3	60
123	Can Ion Cyclotron Waves Propagate to the Ground?. Geophysical Research Letters, 1999, 26, 671-674.	4.0	60
124	Fast particle finite orbit width and Larmor radius effects on low-n toroidicity induced Alfvén eigenmode excitation. Physics of Plasmas, 1999, 6, 2802-2807.	1.9	99
125	Kinetic ballooning instability for substorm onset and current disruption observed by AMPTE/CCE. Geophysical Research Letters, 1998, 25, 4091-4094.	4.0	158
126	Small-scale, dispersive field line resonances in the hot magnetospheric plasma. Journal of Geophysical Research, 1998, 103, 26559-26572.	3.3	76



#	ARTICLE	IF	CITATIONS
127	The determination of the $q$ -profile in the plasma core from Alfvén eigenmodes. Plasma Physics and Controlled Fusion, 1998, 40, 863-869.	2.1	14
128	ICRF results in D-T plasmas in JET and TFTR and implications for ITER. Plasma Physics and Controlled Fusion, 1998, 40, A87-A103.	2.1	22
129	Toroidal Alfvén eigenmodes driven with ICRF accelerated protons in JT-60U negative shear discharges. Nuclear Fusion, 1998, 38, 1215-1223.	3.5	48
130	Alfvén eigenmode and energetic particle research in JT-60U. Nuclear Fusion, 1998, 38, 1303-1314.	3.5	135
131	Fusion plasma experiments on TFTR: A 20 year retrospective. Physics of Plasmas, 1998, 5, 1577-1589.	1.9	91
132	Noncircular Triangularity and Ellipticity-Induced Alfvén Eigenmodes Observed in JT-60U. Physical Review Letters, 1998, 80, 2594-2597.	7.8	47
133	Toroidal Alfvén eigenmodes in TFTR deuterium-tritium plasmas. Physics of Plasmas, 1998, 5, 1703-1711.	1.9	33
134	HINST: A two-dimensional code for high-n toroidicity induced Alfvén eigenmodes stability. Physics of Plasmas, 1998, 5, 3389-3397.	1.9	25
135	Current Sheets and Prominence Formation in the Solar Atmosphere. Astrophysical Journal, 1998, 505, 376-389.	4.5	11
136	Formation of Thin Current Sheets in the Solar Atmosphere. International Astronomical Union Colloquium, 1998, 167, 115-118.	0.1	0
137	Simulation Studies of Solar Prominence Formation. International Astronomical Union Colloquium, 1998, 167, 278-281.	0.1	0
138	Physical Processes of Substorm Onset and Current Disruption Observed by AMPTE/CCE. Astrophysics and Space Science Library, 1998, , 455-459.	2.7	3
139	TFTR DT experiments. Plasma Physics and Controlled Fusion, 1997, 39, B103-B114.	2.1	35
140	Observations of neutral beam and ICRF tail ion losses due to Alfvén modes in TFTR. Nuclear Fusion, 1997, 37, 939-954.	3.5	43
141	Alpha-particle physics in the tokamak fusion test reactor DT experiment. Plasma Physics and Controlled Fusion, 1997, 39, A275-A283.	2.1	23
142	Effect of shear in toroidal rotation on toroidicity induced Alfvén eigenmodes. Nuclear Fusion, 1997, 37, 1559-1568.	3.5	17
143	Deuterium-tritium plasmas in novel regimes in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1997, 4, 1714-1724.	1.9	27
144	Alpha-driven magnetohydrodynamics (MHD) and MHD-induced alpha loss in the Tokamak Fusion Test Reactor. Physics of Plasmas, 1997, 4, 1610-1616.	1.9	16

#	ARTICLE	IF	CITATIONS
145	Kinetic Alfvén waves and plasma transport at the magnetopause. <i>Geophysical Research Letters</i> , 1997, 24, 1423-1426.	4.0	187
146	Alpha-Particle-Driven Toroidal Alfvén Eigenmodes in the Tokamak Fusion Test Reactor. <i>Physical Review Letters</i> , 1997, 78, 2976-2979.	7.8	118
147	Global structure of mirror modes in the magnetosheath. <i>Journal of Geophysical Research</i> , 1997, 102, 7179-7189.	3.3	37
148	Alpha particle losses from Tokamak Fusion Test Reactor deuterium-tritium plasmas. <i>Physics of Plasmas</i> , 1996, 3, 1875-1880.	1.9	25
149	Analysis of alpha particle-driven toroidal Alfvén eigenmodes in Tokamak Fusion Test Reactor deuterium-tritium experiments. <i>Physics of Plasmas</i> , 1996, 3, 4036-4045.	1.9	75
150	Review of D-T Results from TFTR. <i>Fusion Science and Technology</i> , 1996, 30, 648-659.	0.6	3
151	High-frequency core localized modes in neutral beam heated plasmas on TFTR. <i>Physics of Plasmas</i> , 1996, 3, 593-605.	1.9	33
152	Stability of the toroidicity induced Alfvén eigenmode in JT-60U ICRF experiments. <i>Nuclear Fusion</i> , 1996, 36, 1759-1762.	3.5	5
153	Search for alpha driven TAEs at lowered ion temperature in TFTR DT discharges. <i>Nuclear Fusion</i> , 1996, 36, 987-1008.	3.5	12
154	Recent D-T results on TFTR. <i>Plasma Physics and Controlled Fusion</i> , 1995, 37, A69-A85.	2.1	22
155	One-dimensional Vlasov simulations of Langmuir solitons. <i>Physics of Plasmas</i> , 1995, 2, 4195-4203.	1.9	7
156	Plasma-surface interactions in TFTR DT experiments. <i>Journal of Nuclear Materials</i> , 1995, 220-222, 62-72.	2.7	18
157	Excitation of high n toroidicity-induced Alfvén eigenmodes and associated plasma dynamical behaviour in the JT-60U ICRF experiments. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 199, 86-92.	2.1	42
158	Alfvén cyclotron instability and ion cyclotron emission. <i>Nuclear Fusion</i> , 1995, 35, 1743-1752.	3.5	77
159	Stability Analysis of Toroidicity-Induced Alfvén Eigenmodes in TFTR Deuterium-Tritium Experiments. <i>Physical Review Letters</i> , 1995, 75, 2336-2339.	7.8	54
160	TAE mode stability in JT-60SU steady state plasmas. <i>Nuclear Fusion</i> , 1995, 35, 1553-1562.	3.5	3
161	Observation of new branch of toroidal Alfvén eigenmodes in TFTR. <i>Nuclear Fusion</i> , 1995, 35, 1457-1461.	3.5	18
162	Fast particle destabilization of toroidal Alfvén eigenmodes. <i>Nuclear Fusion</i> , 1995, 35, 1639-1650.	3.5	84

#	ARTICLE	IF	CITATIONS
163	Three-dimensional magnetospheric equilibrium with isotropic pressure. <i>Geophysical Research Letters</i> , 1995, 22, 2401-2404.	4.0	36
164	Review of deuterium-tritium results from the Tokamak Fusion Test Reactor. <i>Physics of Plasmas</i> , 1995, 2, 2176-2188.	1.9	89
165	Excitation of Alfvén cyclotron instability by charged fusion products in tokamaks. <i>Physics of Plasmas</i> , 1995, 2, 1961-1971.	1.9	58
166	Overview of DT results from TFTR. <i>Nuclear Fusion</i> , 1995, 35, 1429-1436.	3.5	41
167	Ballooning-Mirror Instability and Internally Driven Pc 4-5 Wave Events.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1994, 46, 997-1009.	0.9	18
168	Energetic particle effects on toroidal Alfvén eigenmodes. <i>AIP Conference Proceedings</i> , 1994, , .	0.4	0
169	Preparations for deuterium-tritium experiments on the Tokamak Fusion Test Reactor*. <i>Physics of Plasmas</i> , 1994, 1, 1560-1567.	1.9	7
170	Particle dynamics in chirped-frequency fluctuations. <i>Physical Review Letters</i> , 1994, 72, 2503-2507.	7.8	37
171	Anomalous losses of deuterium-deuterium fusion products in the Tokamak Fusion Test Reactor*. <i>Physics of Plasmas</i> , 1994, 1, 1469-1478.	1.9	29
172	Fusion power production from TFTR plasmas fueled with deuterium and tritium. <i>Physical Review Letters</i> , 1994, 72, 3526-3529.	7.8	130
173	Alpha particle effects on the internal kink and fishbone modes. <i>Physics of Plasmas</i> , 1994, 1, 3369-3377.	1.9	27
174	Confinement and heating of a deuterium-tritium plasma. <i>Physical Review Letters</i> , 1994, 72, 3530-3533.	7.8	90
175	Theory of ballooning-mirror instabilities for anisotropic pressure plasmas in the magnetosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 11193.	3.3	64
176	Deuterium-Tritium Experiments on the Tokamak Fusion Test Reactor. <i>Fusion Science and Technology</i> , 1994, 26, 389-398.	0.6	10
177	Calculations of Axisymmetric Stability of Tokamak Plasmas with Active and Passive Feedback. <i>Journal of Computational Physics</i> , 1993, 104, 221-240.	3.8	37
178	Magnetohydrodynamic theory of field line resonances in the magnetosphere. <i>Journal of Geophysical Research</i> , 1993, 98, 11339-11347.	3.3	40
179	Stability of the toroidicity-induced Alfvén eigenmode in axisymmetric toroidal equilibria. <i>Physics of Fluids B</i> , 1993, 5, 4040-4050.	1.7	67
180	Three-dimensional hybrid gyrokinetic-magnetohydrodynamics simulation. <i>Physics of Fluids B</i> , 1992, 4, 2033-2037.	1.7	115

#	ARTICLE	IF	CITATIONS
181	Measurements of the radial structure and poloidal spectra of toroidal Alfvén eigenmodes in the Tokamak Fusion Test Reactor. <i>Physics of Fluids B</i> , 1992, 4, 3707-3712.	1.7	32
182	Ion cyclotron range of frequencies stabilization of sawteeth on Tokamak Fusion Test Reactor. <i>Physics of Fluids B</i> , 1992, 4, 2155-2164.	1.7	41
183	Investigation of global Alfvén instabilities in the Tokamak Fusion Test Reactor. <i>Physics of Fluids B</i> , 1992, 4, 2122-2126.	1.7	37
184	Excitation of high-toroidicity-induced shear Alfvén eigenmodes by energetic particles and fusion alpha particles in tokamaks. <i>Physics of Fluids B</i> , 1992, 4, 3722-3734.	1.7	125
185	Status and Plans for TFTR. <i>Fusion Science and Technology</i> , 1992, 21, 1324-1331.	0.6	23
186	High-helicity-induced shear Alfvén eigenmodes. <i>Physics of Fluids B</i> , 1992, 4, 1115-1121.	1.7	51
187	Simulations of deuterium-tritium experiments in TFTR. <i>Nuclear Fusion</i> , 1992, 32, 429-447.	3.5	164
188	Alpha-particle losses from toroidicity-induced Alfvén eigenmodes. Part II: Monte Carlo simulations and anomalous alpha-loss processes. <i>Physics of Fluids B</i> , 1992, 4, 1506-1516.	1.7	147
189	Magnetospheric equilibrium with anisotropic pressure. <i>Journal of Geophysical Research</i> , 1992, 97, 1497-1510.	3.3	55
190	The computation of resistive MHD instabilities in axisymmetric toroidal plasmas. <i>Journal of Computational Physics</i> , 1992, 103, 43-62.	3.8	4
191	Kinetic extensions of magnetohydrodynamics for axisymmetric toroidal plasmas. <i>Physics Reports</i> , 1992, 211, 1-51.	25.6	227
192	A kinetic-magnetohydrodynamic model for low-frequency phenomena. <i>Journal of Geophysical Research</i> , 1991, 96, 21159-21171.	3.3	61
193	Gyrokinetic simulation of microinstabilities in high temperature tokamaks. <i>Physics of Fluids B</i> , 1991, 3, 688-695.	1.7	9
194	Propagation of drift waves in toroidal plasmas. <i>Physics of Fluids B</i> , 1991, 3, 523-528.	1.7	2
195	Alpha particle destabilization of the toroidicity-induced Alfvén eigenmodes. <i>Physics of Fluids B</i> , 1991, 3, 2463-2471.	1.7	70
196	Overview of TFTR transport studies. <i>Plasma Physics and Controlled Fusion</i> , 1991, 33, 1509-1536.	2.1	59
197	Thermonuclear Instability of Global-Type Shear Alfvén Modes. <i>Fusion Science and Technology</i> , 1990, 18, 461-474.	0.6	37
198	Alpha-Particle Effects on LOW- <i>n</i> Magnetohydrodynamic Modes. <i>Fusion Science and Technology</i> , 1990, 18, 443-454.	0.6	23

#	ARTICLE	IF	CITATIONS
199	Theory of a high- $n$ toroidicity-induced shear Alfvén eigenmode in tokamaks. <i>Physics of Fluids B</i> , 1990, 2, 985-993.	1.7	68
200	Energetic particle effects on global magnetohydrodynamic modes. <i>Physics of Fluids B</i> , 1990, 2, 1427-1434.	1.7	50
201	Observation and theory of Pc 5 waves with harmonically related transverse and compressional components. <i>Journal of Geophysical Research</i> , 1990, 95, 977-989.	3.3	53
202	Orbit effects on impurity transport in a rotating tokamak plasma. <i>Physics of Fluids B</i> , 1989, 1, 545-554.	1.7	18
203	MHD stable regime of the Tokamak. <i>Plasma Physics and Controlled Fusion</i> , 1987, 29, 351-366.	2.1	44
204	Neoclassical Diffusion of Heavy Impurities in a Rotating Tokamak Plasma. <i>Physical Review Letters</i> , 1987, 59, 2643-2646.	7.8	9
205	Eigenmode analysis of compressional waves in the magnetosphere. <i>Geophysical Research Letters</i> , 1987, 14, 884-887.	4.0	56
206	NOVA: A nonvariational code for solving the MHD stability of axisymmetric toroidal plasmas. <i>Journal of Computational Physics</i> , 1987, 71, 124-146.	3.8	154
207	Low- $n$ shear Alfvén spectra in axisymmetric toroidal plasmas. <i>Physics of Fluids</i> , 1986, 29, 3695-3701.	1.4	496
208	High- $n$ ideal and resistive shear Alfvén waves in tokamaks. <i>Annals of Physics</i> , 1985, 161, 21-47.	2.8	443
209	Kinetic analysis of MHD ballooning modes in tokamaks. <i>Nuclear Fusion</i> , 1985, 25, 151-164.	3.5	38
210	Tail field effects on drift mirror instability. <i>Journal of Geophysical Research</i> , 1984, 89, 10771-10778.	3.3	4
211	EBT stability theory. <i>Nuclear Instruments &amp; Methods in Physics Research</i> , 1983, 207, 267-270.	0.9	2
212	Finite Larmor radius stability theory of ELMO Bumpy Torus plasmas. <i>Physics of Fluids</i> , 1983, 26, 2642.	1.4	27
213	Kinetic theory of collisionless ballooning modes. <i>Physics of Fluids</i> , 1982, 25, 1020.	1.4	105
214	High- $n$ collisionless ballooning modes in axisymmetric toroidal plasmas. <i>Nuclear Fusion</i> , 1982, 22, 773-785.	3.5	50
215	Acceleration of heavy ions on auroral field lines. <i>Geophysical Research Letters</i> , 1981, 8, 795-798.	4.0	81
216	Anomalous Diffusion and Ion Heating in the Presence of Electrostatic Hydrogen Cyclotron Instabilities. <i>Physical Review Letters</i> , 1981, 46, 427-430.	7.8	24

#	ARTICLE	IF	CITATIONS
217	Ballooning-mode theory of trapped-electron instabilities in tokamaks. Nuclear Fusion, 1981, 21, 403-408.	3.5	33
218	Numerical simulations of electrostatic hydrogen cyclotron instabilities. Physics of Fluids, 1981, 24, 1060.	1.4	30
219	Electrostatic drift wave eigenmodes in tokamaks. Nuclear Fusion, 1981, 21, 643-650.	3.5	39
220	Absolute dissipative drift-wave instabilities in tokamaks. Nuclear Fusion, 1980, 20, 901-905.	3.5	27
221	Drift-wave eigenmodes in toroidal plasmas. Physics of Fluids, 1980, 23, 2242.	1.4	93
222	Unstable universal drift eigenmodes in toroidal plasmas. Physics of Fluids, 1980, 23, 1770.	1.4	39
223	Electrostatic and magnetostatic particle simulation models in three dimensions. Computer Physics Communications, 1979, 17, 233-238.	7.5	13
224	Higher order multipoles and splines in plasma simulations. Computer Physics Communications, 1978, 14, 169-176.	7.5	10
225	Theory and numerical simulations on collisionless drift instabilities in three dimensions. Nuclear Fusion, 1978, 18, 587-607.	3.5	74
226	Numerical Simulation of Trapped-Electron Instabilities in Toroidal Geometry. Physical Review Letters, 1978, 41, 1116-1119.	7.8	14
227	Formation of Convective Cells, Anomalous Diffusion, and Strong Plasma Turbulence Due to Drift Instabilities. Physical Review Letters, 1977, 38, 708-711.	7.8	89
228	Formation of Convective Cells, Anomalous Diffusion, and Strong Plasma Turbulence Due to Drift Instabilities.. Physical Review Letters, 1977, 38, 1037-1037.	7.8	0
229	The integration of the Vlasov equation for a magnetized plasma. Journal of Computational Physics, 1977, 24, 348-360.	3.8	27
230	New three-dimensional simulation models for cylindrical and toroidal plasmas. Journal of Computational Physics, 1977, 25, 133-150.	3.8	25
231	The integration of the vlasov equation in configuration space. Journal of Computational Physics, 1976, 22, 330-351.	3.8	704
232	Ordinary electromagnetic mode instability. Journal of Plasma Physics, 1975, 13, 335-348.	2.1	8
233	The Energization and Radiation in Geospace (ERG) Project. Geophysical Monograph Series, 0, , 103-116.	0.1	33
234	Low- $\beta$ shear Alfvén spectra in axisymmetric toroidal plasmas. , 0, .		1