Mario Podesta

List of Publications by Year
in descending order

156 papers	3,549 citations	109321 35 h-index	197818 49 g-index
156 all docs	156 docs citations	156 times ranked	1633 citing authors

#	Article	IF	Citations
1	Avalanche transport of energetic-ions in magnetic confinement plasmas: nonlinear multiple wave-number simulation. Nuclear Fusion, 2022, 62, 016012.	3.5	10
2	Development of a reduced model for energetic particle transport by sawteeth in tokamaks. Plasma Physics and Controlled Fusion, 2022, 64, 025002.	2.1	7
3	A novel measurement of marginal AlfvÃ©n eigenmode stability during high power auxiliary heating in JET. Nuclear Fusion, 2022, 62, 076001.	3.5	4
4	Simulating energetic particle losses in JET plasmas with a reverse integration biasing scheme. Nuclear Fusion, 2022, 62, 026026.	3.5	3
5	NSTX-U theory, modeling and analysis results. Nuclear Fusion, 2022, 62, 042023.	3.5	8
6	Simulation study of fast ion losses associated with the rotating n = 1 resonant magnetic perturbations in KSTAR. Nuclear Fusion, 2022, 62, 066028.	3.5	3
7	Nonlinear growth of magnetic islands by passing fast ions in NSTX. Plasma Physics and Controlled Fusion, 2022, 64, 095005.	2.1	3
8	Description of global EGAM in the maximum of local frequency during current ramp-up discharges in DIII-D. Journal of Plasma Physics, 2022, 88, .	2.1	1
9	Synergy of coupled kink and tearing modes in fast ion transport. Plasma Physics and Controlled Fusion, 2021, 63, 045003.	2.1	12
10	Beam modulation and bump-on-tail effects on AlfvÃ©n eigenmode stability in DIII-D. Nuclear Fusion, 2021, 61, 066028.	3.5	10
11	Chirping ion cyclotron emission (ICE) on NSTX-U. Nuclear Fusion, 2021, 61, 086007.	3.5	9
12	Response to â€œComment on â€˜Theory of AlfvÃ©n-slow frequency gaps and discovery of AlfvÃ©n-slow eigenmodes in tokamaksâ€™â€•[Phys. Plasmas 28, 074701, (2021)]. Physics of Plasmas, 2021, 28, 074702.	1.9	1
13	Fast ion transport by sawtooth instability in the presence of ICRFâ€“NBI synergy in JET plasmas. Nuclear Fusion, 2021, 61, 116056.	3.5	10
14	Improvements to the Faraday cup fast ion loss detector and magnetohydrodynamic induced fast ion loss measurements in Joint European Torus plasmas. Review of Scientific Instruments, 2020, 91, 093502.	1.3	11
15	MHD-blob correlations in NSTX. Physics of Plasmas, 2020, 27, .	1.9	6
16	Phase-space dynamics of AlfvÃ©n mode chirping. Physics of Plasmas, 2020, 27, 052108.	1.9	7
17	Simulation of the eigenmode spectrum below the Toroidicity-induced AlfvÃ©n eigenmode gap generated by the coupling of AlfvÃ©n and slow-magnetosonic waves in tokamaks. Plasma Physics and Controlled Fusion, 2020, 62, 075012.	2.1	8
18	Machine Learning Characterization of AlfvÃ©nic and Sub-AlfvÃ©nic Chirping and Correlation With Fast-Ion Loss at NSTX. IEEE Transactions on Plasma Science, 2020, 48, 71-81.	1.3	5

#	Article	IF	Citations
19	Simulation of AlfvÃ©nic avalanche onset in NSTX. Physics of Plasmas, 2020, 27, 022117.	1.9	8
20	Tomography of the positive-pitch fast-ion velocity distribution in DIII-D plasmas with AlfvÃ©n eigenmodes and neoclassical tearing modes. Nuclear Fusion, 2020, 60, 066024.	3.5	17
21	Cause and impact of low-frequency chirping modes in DIII-D hybrid discharges. Nuclear Fusion, 2020, 60, 112009.	3.5	10
22	Role of fast-ion transport manipulating safety factor profile in KSTAR early diverting discharges. Nuclear Fusion, 2020, 60, 126023.	3.5	7
23	Verification and application of resonance broadened quasi-linear (RBQ) model with multiple AlfvÃ©nic instabilities. Physics of Plasmas, 2019, 26, 072507.	1.9	7
24	Reduced energetic particle transport models enable comprehensive time-dependent tokamak simulations. Nuclear Fusion, 2019, 59, 106013.	3.5	12
25	Theory of AlfvÃ©n-slow frequency gaps and discovery of AlfvÃ©n-slow eigenmodes in tokamaks. Physics of Plasmas, 2019, 26, 082508.	1.9	11
26	Modeling of chirping toroidal AlfvÃ©n eigenmodes in NSTX. Physics of Plasmas, 2019, 26, 092103.	1.9	8
27	NSTX/NSTX-U theory, modeling and analysis results. Nuclear Fusion, 2019, 59, 112007.	3.5	20
28	Investigation of fast particle redistribution induced by sawtooth instability in NSTX-U. Nuclear Fusion, 2019, 59, 086007.	3.5	7
29	Initial transport and turbulence analysis and gyrokinetic simulation validation in NSTX-U L-mode plasmas. Nuclear Fusion, 2019, 59, 056027.	3.5	6
30	Quantitative modeling of neoclassical tearing mode driven fast ion transport in integrated TRANSP simulations. Plasma Physics and Controlled Fusion, 2019, 61, 055012.	2.1	21
31	Emission in the ion cyclotron range of frequencies (ICE) on NSTX and NSTX-U. Physics of Plasmas, 2019, 26, .	1.9	23
32	Destabilization of counter-propagating AlfvÃ©nic instabilities by tangential, co-current neutral beam injection. Nuclear Fusion, 2018, 58, 082023.	3.5	4
33	Study of the likelihood of AlfvÃ©nic mode bifurcation in NSTX and predictions for ITER baseline scenarios. Nuclear Fusion, 2018, 58, 082013.	3.5	10
34	Dynamic neutral beam current and voltage control to improve beam efficacy in tokamaks. Physics of Plasmas, 2018, 25, .	1.9	17
35	Orbit modeling of fast particle redistribution induced by sawtooth instability. Nuclear Fusion, 2018, 58, 082029.	3.5	11
36	The phase-space dependence of fast-ion interaction with tearing modes. Nuclear Fusion, 2018, 58, 082027.	3.5	25

#	Article	IF	Citations
37	Scenario development during commissioning operations on the National Spherical Torus Experiment Upgrade. Nuclear Fusion, 2018, 58, 046010.	3.5	25
38	Measurement of the passive fast-ion D-alpha emission on the NSTX-U tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 025026.	2.1	6
39	Editorial: 15th IAEA Technical Meeting on Energetic Particles in Magnetically Confined Systems. Nuclear Fusion, 2018, 58, 080201.	3.5	0
40	Global AlfvÃ©n eigenmode scaling and suppression: experiment and theory. Nuclear Fusion, 2018, 58, 082022.	3.5	9
41	Resonance broadened quasi-linear (RBQ) model for fast ion distribution relaxation due to AlfvÃ©nic eigenmodes. Nuclear Fusion, 2018, 58, 082016.	3.5	18
42	Effect of sawtooth crashes on fast ion distribution in NSTX-U. Nuclear Fusion, 2018, 58, 082028.	3.5	11
43	On the scattering correction of fast-ion D-alpha signals on NSTX-U. Review of Scientific Instruments, 2018, 89, 063507.	1.3	2
44	Overview of NSTX Upgrade initial results and modelling highlights. Nuclear Fusion, 2017, 57, 102006.	3.5	45
45	Phase-space dependent critical gradient behavior of fast-ion transport due to AlfvÃ©n eigenmodes. Nuclear Fusion, 2017, 57, 086005.	3.5	31
46	Fast-ion transport by AlfvÃ©n eigenmodes above a critical gradient threshold. Physics of Plasmas, 2017, 24, .	1.9	37
47	Prediction of nonlinear evolution character of energetic-particle-driven instabilities. Nuclear Fusion, 2017, 57, 054001.	3.5	40
48	Full-wave simulations of ICRF heating regimes in toroidal plasma with non-Maxwellian distribution functions. Nuclear Fusion, 2017, 57, 056035.	3.5	19
49	Improving fast-ion confinement in high-performance discharges by suppressing AlfvÃ©n eigenmodes. Nuclear Fusion, 2017, 57, 056024.	3.5	20
50	Computation of AlfvÃ¨n eigenmode stability and saturation through a reduced fast ion transport model in the TRANSP tokamak transport code. Plasma Physics and Controlled Fusion, 2017, 59, 095008.	2.1	41
51	Suppression of AlfvÃ©n Modes on the National Spherical Torus Experiment Upgrade with Outboard Beam Injection. Physical Review Letters, 2017, 118, 265001.	7.8	31
52	Theory and observation of the onset of nonlinear structures due to eigenmode destabilization by fast ions in tokamaks. Physics of Plasmas, 2017, 24, 122508.	1.9	20
53	Self-consistent calculation of the effects of RF injection in the HHFW heating regimes on the evolution of fast ions in toroidal plasmas. EPJ Web of Conferences, 2017, 157, 03004.	0.3	6
54	Effects of energetic particle phase space modifications by instabilities on integrated modeling. Nuclear Fusion, 2016, 56, 112005.	3.5	15

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55	Validating predictive models for fast ion profile relaxation in burning plasmas. Nuclear Fusion, 2016, 56, 112015.	3.5	10
56	Initial operation of the NSTX-Upgrade real-time velocity diagnostic. Plasma Physics and Controlled Fusion, 2016, 58, 125016.	2.1	4
57	Analysis of fast-ion D_{Î±} data from the National Spherical Torus Experiment. Nuclear Fusion, 2016, 56, 056005.	3.5	5
58	Snowflake Divertor Experiments in the DIII-D, NSTX, and NSTX-U Tokamaks Aimed at the Development of the Divertor Power Exhaust Solution. IEEE Transactions on Plasma Science, 2016, 44, 3445-3455.	1.3	14
59	Mitigation of AlfvÃ©nic activity by 3D magnetic perturbations on NSTX. Plasma Physics and Controlled Fusion, 2016, 58, 085003.	2.1	23
60	Saturation of AlfvÃ©n modes in tokamaks. Plasma Physics and Controlled Fusion, 2016, 58, 115007.	2.1	9
61	Phase space effects on fast ion distribution function modeling in tokamaks. Physics of Plasmas, 2016, 23, 056106.	1.9	7
62	Lithium sputtering from lithium-coated plasma facing components in the NSTX divertor. Journal of Nuclear Materials, 2015, 463, 1165-1168.	2.7	13
63	Developing snowflake divertor physics basis in the DIII-D, NSTX and NSTX-U tokamaks aimed at the divertor power exhaust solution.. , 2015, , .		0
64	Midplane neutral density profiles in the National Spherical Torus Experiment. Physics of Plasmas, 2015, 22, 082506.	1.9	31
65	Comparison of 3D flux-driven scrape-off layer turbulence simulations with gas-puff imaging of Alcator C-Mod inner-wall limited discharges. Plasma Physics and Controlled Fusion, 2015, 57, 054005.	2.1	20
66	Hybrid simulation of toroidal AlfvÃ©n eigenmode on the National Spherical Torus Experiment. Physics of Plasmas, 2015, 22, 042509.	1.9	13
67	The contribution of radio-frequency rectification to field-aligned losses of high-harmonic fast wave power to the divertor in the National Spherical Torus eXperiment. Physics of Plasmas, 2015, 22, 042506.	1.9	14
68	Effects of MHD instabilities on neutral beam current drive. Nuclear Fusion, 2015, 55, 053018.	3.5	8
69	055904.	1.9	38
70	Plasma turbulence, suprathermal ion dynamics and code validation on the basic plasma physics device TORPEX. Journal of Plasma Physics, 2015, 81, .	2.1	24
71	An overview of recent physics results from NSTX. Nuclear Fusion, 2015, 55, 104002.	3.5	21
72	Modeling detachment physics in the NSTX snowflake divertor. Journal of Nuclear Materials, 2015, 463, 1200-1204.	2.7	9

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73	Overview of MAST results. Nuclear Fusion, 2015, 55, 104008.	3.5	16
74	Confinement degradation by AlfvÃ©n-eigenmode induced fast-ion transport in steady-state scenario discharges. Plasma Physics and Controlled Fusion, 2014, 56, 095030.	2.1	43
75	Non-linear wave-particle interactions and fast ion loss induced by multiple AlfvÃ©n eigenmodes in the DIII-D tokamak. Nuclear Fusion, 2014, 54, 083005.	3.5	9
76	Parametric dependence of fast-ion transport events on the National Spherical Torus Experiment. Nuclear Fusion, 2014, 54, 093007.	3.5	17
77	Measured improvement of global magnetohydrodynamic mode stability at high-beta, and in reduced collisionality spherical torus plasmas. Physics of Plasmas, 2014, 21, .	1.9	14
78	Towards identifying the mechanisms underlying field-aligned edge-loss of HHFW power on NSTX. , 2014, , .		3
79	Enhanced localized energetic ion losses resulting from first-orbit linear and non-linear interactions with AlfvÃ©n eigenmodes in DIII-D. Physics of Plasmas, 2014, 21, 082503.	1.9	0
80	A reduced fast ion transport model for the tokamak transport code TRANSP. Plasma Physics and Controlled Fusion, 2014, 56, 055003.	2.1	66
81	Advanced divertor configurations with large flux expansion. Journal of Nuclear Materials, 2013, 438, S96-S101.	2.7	24
82	Overview of physics results from the conclusive operation of the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 104007.	3.5	53
83	Fast-ion energy loss during TAE avalanches in the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 013006.	3.5	36
84	Stochastic orbit loss of neutral beam ions from NSTX due to toroidal AlfvÃ©n eigenmode avalanches. Nuclear Fusion, 2013, 53, 013009.	3.5	12
85	Mitigation of AlfvÃ©n Activity in a Tokamak by Externally Applied Static 3D Fields. Physical Review Letters, 2013, 110, 265008.	7.8	43
86	Characterization of fueling NSTX H-mode plasmas diverted to a liquid lithium divertor. Journal of Nuclear Materials, 2013, 438, S488-S492.	2.7	8
87	Fast-wave power flow along SOL field lines in NSTX and the associated power deposition profile across the SOL in front of the antenna. Nuclear Fusion, 2013, 53, 083025.	3.5	39
88	Liquid lithium divertor characteristics and plasmaâ€“material interactions in NSTX high-performance plasmas. Nuclear Fusion, 2013, 53, 083032.	3.5	79
89	Electron-scale turbulence spectra and plasma thermal transport responding to continuousEÃ—Bshear ramp-up in a spherical tokamak. Nuclear Fusion, 2013, 53, 083007.	3.5	21
90	Properties of AlfvÃ©n eigenmodes in the Toroidal AlfvÃ©n Eigenmode range on the National Spherical Torus Experiment-Upgrade. Physics of Plasmas, 2013, 20, .	1.9	5

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91	Observation of ion scale fluctuations in the pedestal region during the edge-localized-mode cycle on the National Spherical Torus Experiment. Physics of Plasmas, 2013, 20, 012505.	1.9	18
92	Characterization and parametric dependencies of low wavenumber pedestal turbulence in the National Spherical Torus Experiment. Physics of Plasmas, 2013, 20, .	1.9	17
93	Non-linear modulation of short wavelength compressional AlfvÃ©n eigenmodes. Physics of Plasmas, 2013, 20, 042112.	1.9	18
94	The dependence of H-mode energy confinement and transport on collisionality in NSTX. Nuclear Fusion, 2013, 53, 063005.	3.5	40
95	Electron temperature profile reconstructions from multi-energy SXR measurements using neural networks. Plasma Physics and Controlled Fusion, 2013, 55, 095015.	2.1	22
96	Dependence of the Lâ€“H transition on X-point geometry and divertor recycling on NSTX. Nuclear Fusion, 2013, 53, 113032.	3.5	23
97	Internal amplitude, structure and identification of compressional and global AlfvÃ©n eigenmodes in NSTX. Nuclear Fusion, 2013, 53, 043017.	3.5	28
98	Core transport of lithium and carbon in ELM-free discharges with lithium wall conditioning in NSTX. Nuclear Fusion, 2013, 53, 083001.	3.5	36
99	Recent progress in the NSTX/NSTX-U lithium programme and prospects for reactor-relevant liquid-lithium based divertor development. Nuclear Fusion, 2013, 53, 113030.	3.5	32
100	Measurements and simulations of low-wavenumber pedestal turbulence in the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 113029.	3.5	13
101	Progress in characterization of the pedestal stability and turbulence during the edge-localized-mode cycle on National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 093026.	3.5	28
102	Energetic particle instabilities in fusion plasmas. Nuclear Fusion, 2013, 53, 104022.	3.5	79
103	Comparison of Measurement and Modeling of Current Profile Changes due to Neutral Beam Ion Redistribution during TAE Avalanches in NSTX. Plasma and Fusion Research, 2013, 8, 2402119-2402119.	0.7	1
104	Snowflake divertor configuration studies in National Spherical Torus Experiment. Physics of Plasmas, 2012, 19, .	1.9	67
105	Calibration techniques for fast-ion DÎ± diagnostics. Review of Scientific Instruments, 2012, 83, 10D903.	1.3	5
106	A real-time velocity diagnostic for NSTX. Review of Scientific Instruments, 2012, 83, 033503.	1.3	10
107	Investigation of a transient energetic charge exchange flux enhancement (â€˜spike-on-tailâ€™) observed in neutral-beam-heated H-mode discharges in the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 013014.	3.5	5
108	Impurity analysis of NSTX using a transmission grating-based imaging spectrometer. Plasma Physics and Controlled Fusion, 2012, 54, 065010.	2.1	5

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109	Observation of global AlfvÃ©n eigenmode avalanche events on the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 043001.	3.5	25
110	Study of chirping toroidicity-induced AlfvÃ©n eigenmodes in the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 094001.	3.5	33
111	Measurements of core lithium concentration in a Li-conditioned tokamak with carbon walls. Nuclear Fusion, 2012, 52, 033008.	3.5	23
112	First use of three-dimensional equilibrium, stability and transport calculations for interpretation of ELM triggering with magnetic perturbations in NSTX. Nuclear Fusion, 2012, 52, 054004.	3.5	12
113	High spatial sampling global mode structure measurements via multichannel reflectometry in NSTX. Plasma Physics and Controlled Fusion, 2011, 53, 105001.	2.1	48
114	Overview of physics results from NSTX. Nuclear Fusion, 2011, 51, 094011.	3.5	10
115	Non-linear dynamics of toroidicity-induced AlfvÃ©n eigenmodes on the National Spherical Torus Experiment. Nuclear Fusion, 2011, 51, 063035.	3.5	35
116	Dynamical evolution of pedestal parameters in ELMy H-mode in the National Spherical Torus Experiment. Nuclear Fusion, 2011, 51, 103031.	3.5	31
117	Profiles of fast ions that are accelerated by high harmonic fast waves in the National Spherical Torus Experiment. Plasma Physics and Controlled Fusion, 2010, 52, 025006.	2.1	19
118	A tangentially viewing fast ion D-alpha diagnostic for NSTX. Review of Scientific Instruments, 2010, 81, 10D728.	1.3	27
119	Effects of toroidal rotation shear on toroidicity-induced AlfvÃ©n eigenmodes in the National Spherical Torus Experiment. Physics of Plasmas, 2010, 17, 122501.	1.9	17
120	Advances in high-harmonic fast wave physics in the National Spherical Torus Experiment. Physics of Plasmas, 2010, 17, 056114.	1.9	34
121	The role of kinetic effects, including plasma rotation and energetic particles, in resistive wall mode stability. Physics of Plasmas, 2010, 17, .	1.9	102
122	Iterated finite-orbit Monte Carlo simulations with full-wave fields for modeling tokamak ion cyclotron resonance frequency wave heating experiments. Physics of Plasmas, 2010, 17, .	1.9	17
123	Electrostatic instabilities, turbulence and fast ion interactions in the TORPEX device. Plasma Physics and Controlled Fusion, 2010, 52, 124020.	2.1	41
124	10.1063/1.3371956.1. , 2010, , .		0
125	Experimental studies on fast-ion transport by AlfvÃ©n wave avalanches on the National Spherical Torus Experiment. Physics of Plasmas, 2009, 16, .	1.9	56
126	A robust method for measurement of fluctuation parallel wavenumber in laboratory plasmas. Review of Scientific Instruments, 2009, 80, 053501.	1.3	3

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127	Modeling fast-ion transport during toroidal AlfvÃ©n eigenmode avalanches in National Spherical Torus Experiment. Physics of Plasmas, 2009, 16, 122505.	1.9	59
128	Use of Fast Ion D-Alpha diagnostics for understanding ICRF effects. , 2009, , .		0
129	Langmuir probe-based observables for plasma-turbulence code validation and application to the TORPEX basic plasma physics experiment. Physics of Plasmas, 2009, 16, 055703.	1.9	40
130	Overview of results from the National Spherical Torus Experiment (NSTX). Nuclear Fusion, 2009, 49, 104016.	3.5	41
131	Two-dimensional time resolved measurements of toroidal velocity correlated with density blobs in magnetized plasmas. Review of Scientific Instruments, 2008, 79, 086104.	1.3	2
132	The NSTX fast-ion D-alpha diagnostic. Review of Scientific Instruments, 2008, 79, 10E521.	1.3	59
133	Mechanism for blob generation in the TORPEX toroidal plasma. Physics of Plasmas, 2008, 15, .	1.9	65
134	Transition from drift to interchange instabilities in an open magnetic field line configuration. Physics of Plasmas, 2008, 15, .	1.9	50
135	The role of the density gradient on intermittent cross-field transport events in a simple magnetized toroidal plasma. Physics of Plasmas, 2008, 15, .	1.9	32
136	Experimental Observation of the Blob-Generation Mechanism from Interchange Waves in a Plasma. Physical Review Letters, 2008, 100, 055004.	7.8	127
137	Cross-Field Transport by Instabilities and Blobs in a Magnetized Toroidal Plasma. Physical Review Letters, 2008, 101, 045001.	7.8	37
138	Dynamics of Plasma Blobs in a Shear Flow. Physical Review Letters, 2008, 101, 115005.	7.8	21
139	Plasma blobs in a basic toroidal experiment: Origin, dynamics, and induced transport. Physics of Plasmas, 2007, 14, 110704.	1.9	48
140	Development of electrostatic turbulence from drift-interchange instabilities in a toroidal plasma. Physics of Plasmas, 2007, 14, 052311.	1.9	14
141	Statistical properties of electrostatic turbulence in toroidal magnetized plasmas. Plasma Physics and Controlled Fusion, 2007, 49, B281-B290.	2.1	33
142	Characterization of the electron distribution function in an electron-cyclotron driven toroidal plasma. Plasma Physics and Controlled Fusion, 2007, 49, 175-182.	2.1	3
143	Universal Statistical Properties of Drift-Interchange Turbulence in TORPEX Plasmas. Physical Review Letters, 2007, 98, 255002.	7.8	91
144	Antenna excitation of drift wave in a toroidal plasma. Physics of Plasmas, 2007, 14, 102101.	1.9	1

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145	Experimental characterization and modelling of the particle source in an Electron-Cyclotron wave driven toroidal plasma. Plasma Physics and Controlled Fusion, 2006, 48, 1053-1062.	2.1	27
146	Probabilistic analysis of turbulent structures from two-dimensional plasma imaging. Physics of Plasmas, 2006, 13, 100701.	1.9	33
147	Electrostatic turbulence and transport in a simple magnetized plasma. Physics of Plasmas, 2006, 13, 055902.	1.9	103
148	Fast ion source and detector for investigating the interaction of turbulence with suprathermal ions in a low temperature toroidal plasma. Review of Scientific Instruments, 2006, 77, 10F503.	1.3	16
149	Experimental characterization of drift-interchange instabilities in a simple toroidal plasma. Physics of Plasmas, 2006, 13, 102104.	1.9	43
150	Basic turbulence studies on TORPEX and challenges in the theory-experiment comparison. Physics of Plasmas, 2005, 12, 090906.	1.9	46
151	Plasma production by low-field side injection of electron cyclotron waves in a simple magnetized torus. Plasma Physics and Controlled Fusion, 2005, 47, 1989-2002.	2.1	51
152	Effects of a Vertical Magnetic Field on Particle Confinement in a Magnetized Plasma Torus. Physical Review Letters, 2004, 93, 165003.	7.8	48
153	Plasma Edge Biasing on CASTOR Tokamak Using LHCD. European Physical Journal D, 2001, 51, 1129-1138.	0.4	3
154	Suppression of toroidal AlfvÃ©n eigenmodes by the electron cyclotron current drive in KSTAR plasmas. Nuclear Fusion, 0, , .	3.5	5
155	Modelling of sawtooth-induced fast ion transport in positive and negative triangularity in TCV. Nuclear Fusion, 0, , .	3.5	2
156	NSTX-U theory, modeling and analysis results. Nuclear Fusion, 0, , .	3.5	0