List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Energetic particle physics in fusion research in preparation for burning plasma experiments. Nuclear Fusion, 2014, 54, 125001.	3.5	200
2	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
3	Alfvén eigenmodes driven by Alfvénic beam ions in JT-60U. Nuclear Fusion, 2001, 41, 603-612.	3.5	93
4	Collective fast ion instability-induced losses in National Spherical Tokamak Experiment. Physics of Plasmas, 2006, 13, 056109.	1.9	89
5	On the collisional damping of TAE-modes on trapped electrons in tokamaks. Physica Scripta, 1992, 45, 163-166.	2.5	81
6	Alfven cyclotron instability and ion cyclotron emission. Nuclear Fusion, 1995, 35, 1743-1752.	3.5	77
7	Beam anisotropy effect on Alfvén eigenmode stability in ITER-like plasmas. Nuclear Fusion, 2005, 45, 226-237.	3.5	68
8	Modeling fast-ion transport during toroidal Alfvén eigenmode avalanches in National Spherical Torus Experiment. Physics of Plasmas, 2009, 16, 122505.	1.9	59
9	Excitation of Alfvén cyclotron instability by charged fusion products in tokamaks. Physics of Plasmas, 1995, 2, 1961-1971.	1.9	58
10	Self-consistent equilibrium model of low aspect-ratio toroidal plasma with energetic beam ions. Physics of Plasmas, 2003, 10, 3240-3251.	1.9	53
11	Theory and observations of high frequency AlfvÂn eigenmodes in low aspect ratio plasmas. Nuclear Fusion, 2003, 43, 228-233.	3.5	53
12	High spatial sampling global mode structure measurements via multichannel reflectometry in NSTX. Plasma Physics and Controlled Fusion, 2011, 53, 105001.	2.1	48
13	Electron cyclotron heating can drastically alter reversed shear Alfvén eigenmode activity in DIII-D through finite pressure effects. Nuclear Fusion, 2016, 56, 112007.	3.5	47
14	Energetic ion transport by abrupt large-amplitude event induced by negative-ion-based neutral beam injection in the JT-60U. Nuclear Fusion, 2005, 45, 1474-1480.	3.5	44
15	Compressional Alfvén eigenmode instability in NSTX. Nuclear Fusion, 2002, 42, 977-985.	3.5	42
16	Observation of compressional Alfvén eigenmodes (CAE) in a conventional tokamak. Nuclear Fusion, 2006, 46, 324-334.	3.5	42
17	Fast ion loss in a â€~sea-of-TAE'. Nuclear Fusion, 2006, 46, S926-S932.	3.5	42
18	Computation of Alfvèn 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

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19	Prediction of nonlinear evolution character of energetic-particle-driven instabilities. Nuclear Fusion, 2017, 57, 054001.	3.5	40
20	Verification and validation of integrated simulation of energetic particles in fusion plasmas. Nuclear Fusion, 2019, 59, 066006.	3.5	40
21	Fast-ion energy loss during TAE avalanches in the National Spherical Torus Experiment. Nuclear Fusion, 2013, 53, 013006.	3.5	36
22	Coupling of Neutral-Beam-Driven Compressional Alfvén Eigenmodes to Kinetic Alfvén Waves in NSTX Tokamak and Energy Channeling. Physical Review Letters, 2015, 115, 015001.	7.8	36
23	Interpretation of the finite pressure gradient effects in the reversed shear Alfvén eigenmode theory. Plasma Physics and Controlled Fusion, 2006, 48, 1255-1269.	2.1	33
24	Study of chirping toroidicity-induced Alfvén eigenmodes in the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 094001.	3.5	33
25	Suppression of Alfvén Modes on the National Spherical Torus Experiment Upgrade with Outboard Beam Injection. Physical Review Letters, 2017, 118, 265001.	7.8	31
26	Phenomenology of compressional Alfvén eigenmodes. Physics of Plasmas, 2004, 11, 3653-3659.	1.9	28
27	Internal amplitude, structure and identification of compressional and global Alfvén eigenmodes in NSTX. Nuclear Fusion, 2013, 53, 043017.	3.5	28
28	Anomalous electron transport due to multiple high frequency beam ion driven Alfvén eigenmodes. Nuclear Fusion, 2010, 50, 084012.	3.5	25
29	Observation of global Alfvén eigenmode avalanche events on the National Spherical Torus Experiment. Nuclear Fusion, 2012, 52, 043001.	3.5	25
30	Emission in the ion cyclotron range of frequencies (ICE) on NSTX and NSTX-U. Physics of Plasmas, 2019, 26, .	1.9	23
31	Discrete compressional Alfvén eigenmode spectrum in tokamaks. Nuclear Fusion, 2006, 46, S933-S941.	3.5	22
32	Nonlinear simulations of beam-driven compressional Alfvén eigenmodes in NSTX. Physics of Plasmas, 2017, 24, .	1.9	22
33	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
34	Compressional Alfvén eigenmode dispersion in low aspect ratio plasmas. Physics of Plasmas, 2002, 9, 3483-3488.	1.9	19
35	Non-linear modulation of short wavelength compressional Alfvén eigenmodes. Physics of Plasmas, 2013, 20, 042112.	1.9	18
36	Resonance broadened quasi-linear (RBQ) model for fast ion distribution relaxation due to Alfvénic eigenmodes. Nuclear Fusion, 2018, 58, 082016.	3.5	18

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37	Parametric dependence of fast-ion transport events on the National Spherical Torus Experiment. Nuclear Fusion, 2014, 54, 093007.	3.5	17
38	Resonance frequency broadening of wave-particle interaction in tokamaks due to Alfvénic eigenmode. Nuclear Fusion, 2018, 58, 082017.	3.5	16
39	Effects of energetic particle phase space modifications by instabilities on integrated modeling. Nuclear Fusion, 2016, 56, 112005.	3.5	15
40	Comparing the line broadened quasilinear model to Vlasov code. Physics of Plasmas, 2014, 21, 032119.	1.9	14
41	Analytical nonlinear collisional dynamics of near-threshold eigenmodes. Nuclear Fusion, 2019, 59, 044003.	3.5	14
42	Resonances between high energy particles and ideal magnetohydrodynamic modes in tokamaks. Physics of Plasmas, 2018, 25, .	1.9	13
43	Stochastic orbit loss of neutral beam ions from NSTX due to toroidal Alfvén eigenmode avalanches. Nuclear Fusion, 2013, 53, 013009.	3.5	12
44	Reduced energetic particle transport models enable comprehensive time-dependent tokamak simulations. Nuclear Fusion, 2019, 59, 106013.	3.5	12
45	Validating predictive models for fast ion profile relaxation in burning plasmas. Nuclear Fusion, 2016, 56, 112015.	3.5	10
46	Study of the likelihood of Alfvénic mode bifurcation in NSTX and predictions for ITER baseline scenarios. Nuclear Fusion, 2018, 58, 082013.	3.5	10
47	Collisional resonance function in discrete-resonance quasilinear plasma systems. Physics of Plasmas, 2019, 26, .	1.9	10
48	Analytic stability boundaries for compressional and global Alfvén eigenmodes driven by fast ions. I. Interaction via ordinary and anomalous cyclotron resonances. Physics of Plasmas, 2020, 27, 022513.	1.9	10
49	Saturation of Alfvén modes in tokamaks. Plasma Physics and Controlled Fusion, 2016, 58, 115007.	2.1	9
50	Global Alfvén eigenmode scaling and suppression: experiment and theory. Nuclear Fusion, 2018, 58, 082022.	3.5	9
51	Magnetosonic eigenmodes near the magnetic field well in a spherical torus. Physics of Plasmas, 1998, 5, 4104-4106.	1.9	8
52	Energetic-particle-modified global Alfvén eigenmodes. Physics of Plasmas, 2018, 25, .	1.9	8
53	Modeling of chirping toroidal Alfvén eigenmodes in NSTX. Physics of Plasmas, 2019, 26, 092103.	1.9	8
54	Collisional enhancement of energetic particle Alfvénic resonance width in tokamaks. Physics of Plasmas, 2019, 26, 032508.	1.9	8

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55	Simulation of Alfvénic avalanche onset in NSTX. Physics of Plasmas, 2020, 27, 022117.	1.9	8
56	Microturbulence-mediated route for energetic ion transport and Alfvénic mode amplitude oscillations in tokamaks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 386, 126944.	2.1	8
57	Verification and application of resonance broadened quasi-linear (RBQ) model with multiple Alfvénic instabilities. Physics of Plasmas, 2019, 26, 072507.	1.9	7
58	Phase-space dynamics of Alfvén mode chirping. Physics of Plasmas, 2020, 27, 052108.	1.9	7
59	Analytic stability boundaries for compressional and global Alfvén eigenmodes driven by fast ions. II. Interaction via Landau resonance. Physics of Plasmas, 2020, 27, 022512.	1.9	5
60	Hybrid simulations of sub-cyclotron compressional and global Alfvén eigenmode stability in spherical tokamaks. Nuclear Fusion, 2021, 61, 086016.	3.5	5
61	Stochastic effects on phase-space holes and clumps in kinetic systems near marginal stability. Nuclear Fusion, 2018, 58, 082015.	3.5	4
62	Plasma equilibrium with fast ion orbit width, pressure anisotropy, and toroidal flow effects. Nuclear Fusion, 2018, 58, 082031.	3.5	4
63	Simulating energetic particle losses in JET plasmas with a reverse integration biasing scheme. Nuclear Fusion, 2022, 62, 026026.	3.5	3
64	On properties of compressional AlfvÂn eigenmode instability driven by superAlfvÂnic ions. Nuclear Fusion, 2002, 42, 1216-1220.	3.5	2
65	Instability in the Frequency Range of Alfvén Eigenmodes Driven by Negative-Ion-Based Neutral Beams in JT-60U. Journal of Plasma and Fusion Research, 2005, 81, 547-552.	0.4	1
66	Magnetic Confinement Fusion—Plasma Theory: Energetic Particle Physics. , 2021, , 459-478.		0