

Elena Belova

List of Publications by Year in descending order

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papers

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1040056

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times ranked

389
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of coronal plasma jet formation. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	2
2	Stabilization of Alfvén Eigenmodes in DIII-D via Controlled Energetic Ion Density Ramp and Validation of Theory and Simulations. <i>Physical Review Letters</i> , 2021, 126, 155001.	7.8	10
3	Hybrid simulations of sub-cyclotron compressional and global Alfvén eigenmode stability in spherical tokamaks. <i>Nuclear Fusion</i> , 2021, 61, 086016.	3.5	5
4	Simulation of equilibrium and transport in advanced FRCS. <i>Nuclear Fusion</i> , 2021, 61, 106038.	3.5	6
5	Analytic stability boundaries for compressional and global Alfvén eigenmodes driven by fast ions. II. Interaction via Landau resonance. <i>Physics of Plasmas</i> , 2020, 27, 022512.	1.9	5
6	Analytic stability boundaries for compressional and global Alfvén eigenmodes driven by fast ions. I. Interaction via ordinary and anomalous cyclotron resonances. <i>Physics of Plasmas</i> , 2020, 27, 022513.	1.9	10
7	Numerical simulations of global Alfvén eigenmodes excitation and stabilization in NSTX-U. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	15
8	Energetic-particle-modified global Alfvén eigenmodes. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	8
9	Nonlinear simulations of beam-driven compressional Alfvén eigenmodes in NSTX. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	22
10	Suppression of Alfvén Modes on the National Spherical Torus Experiment Upgrade with Outboard Beam Injection. <i>Physical Review Letters</i> , 2017, 118, 265001.	7.8	31
11	Coupling of Neutral-Beam-Driven Compressional Alfvén Eigenmodes to Kinetic Alfvén Waves in NSTX Tokamak and Energy Channeling. <i>Physical Review Letters</i> , 2015, 115, 015001.	7.8	36
12	Spectroscopic observation of simultaneous bi-directional reconnection outflows in a laboratory plasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	9
13	Three-dimensional magnetohydrodynamics simulations of counter-helicity spheromak merging in the Swarthmore Spheromak Experiment. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	9
14	Field-reversed configuration formation scheme utilizing a spheromak and solenoid induction. <i>Physics of Plasmas</i> , 2008, 15, 032503.	1.9	4
15	Inductive sustainment of oblate field-reversed configurations with the assistance of magnetic diffusion, shaping, and finite-Larmor radius stabilization. <i>Physics of Plasmas</i> , 2008, 15, 022503.	1.9	2
16	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
17	Nonlinear gyroviscous force in a collisionless plasma. <i>Physics of Plasmas</i> , 2001, 8, 3936-3944.	1.9	29
18	Numerical study of tilt stability of prolate field-reversed configurations. <i>Physics of Plasmas</i> , 2000, 7, 4996-5006.	1.9	79

#	ARTICLE	IF	CITATIONS
19	Novel internal measurements of ion cyclotron frequency range fast-ion driven modes. Nuclear Fusion, 0, , .	3.5	10