

# Elena Belova

## List of Publications by Year in descending order

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19  
papers

345  
citations

1040056

9  
h-index

839539

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19  
all docs

19  
docs citations

19  
times ranked

389  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of tilt stability of prolate field-reversed configurations. <i>Physics of Plasmas</i> , 2000, 7, 4996-5006.	1.9	79
2	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
3	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
4	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
5	Nonlinear gyroviscous force in a collisionless plasma. <i>Physics of Plasmas</i> , 2001, 8, 3936-3944.	1.9	29
6	Nonlinear simulations of beam-driven compressional Alfvén eigenmodes in NSTX. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	22
7	Numerical simulations of global Alfvén eigenmodes excitation and stabilization in NSTX-U. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	15
8	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
9	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
10	Novel internal measurements of ion cyclotron frequency range fast-ion driven modes. <i>Nuclear Fusion</i> , 0, , .	3.5	10
11	Three-dimensional magnetohydrodynamics simulations of counter-helicity spheromak merging in the Swarthmore Spheromak Experiment. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	9
12	Spectroscopic observation of simultaneous bi-directional reconnection outflows in a laboratory plasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	9
13	Energetic-particle-modified global Alfvén eigenmodes. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	8
14	Simulation of equilibrium and transport in advanced FRCS. <i>Nuclear Fusion</i> , 2021, 61, 106038.	3.5	6
15	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
16	Hybrid simulations of sub-cyclotron compressional and global Alfvén eigenmode stability in spherical tokamaks. <i>Nuclear Fusion</i> , 2021, 61, 086016.	3.5	5
17	Field-reversed configuration formation scheme utilizing a spheromak and solenoid induction. <i>Physics of Plasmas</i> , 2008, 15, 032503.	1.9	4
18	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

#	ARTICLE	IF	CITATIONS
19	Numerical study of coronal plasma jet formation. Physics of Plasmas, 2021, 28, .	1.9	2