

Yuan Shi

List of Publications by Year in descending order

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18
papers

223
citations

1040056

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all docs

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docs citations

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times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser Amplification in Strongly Magnetized Plasma. <i>Physical Review Letters</i> , 2019, 123, 025001.	7.8	27
2	Laser-pulse compression using magnetized plasmas. <i>Physical Review E</i> , 2017, 95, 023211.	2.1	24
3	Time-resolved ion velocity distribution in a cylindrical Hall thruster: Heterodyne-based experiment and modeling. <i>Review of Scientific Instruments</i> , 2015, 86, 033506.	1.3	23
4	Laser-plasma interactions in magnetized environment. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	22
5	Simulations of relativistic quantum plasmas using real-time lattice scalar QED. <i>Physical Review E</i> , 2018, 97, 053206.	2.1	21
6	Effective-action approach to wave propagation in scalar QED plasmas. <i>Physical Review A</i> , 2016, 94, .	2.5	17
7	Kinetic simulations of laser parametric amplification in magnetized plasmas. <i>Physics of Plasmas</i> , 2017, 24, 093103.	1.9	15
8	Determining the rotation direction in pulsars. <i>Nature Communications</i> , 2019, 10, 3232.	12.8	15
9	Three-wave scattering in magnetized plasmas: From cold fluid to quantized Lagrangian. <i>Physical Review E</i> , 2017, 96, 023204.	2.1	12
10	Plasma physics in strong-field regimes: Theories and simulations. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	10
11	Three-wave interactions in magnetized warm-fluid plasmas: General theory with evaluable coupling coefficient. <i>Physical Review E</i> , 2019, 99, 063212.	2.1	8
12	Simulating non-native cubic interactions on noisy quantum machines. <i>Physical Review A</i> , 2021, 103, .	2.5	8
13	Controlling azimuthal spoke modes in a cylindrical Hall thruster using a segmented anode. <i>Plasma Sources Science and Technology</i> , 2018, 27, 104006.	3.1	6
14	A lattice Maxwell system with discrete space-time symmetry and local energy-momentum conservation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 808-812.	2.1	5
15	Amplification of mid-infrared lasers via backscattering in magnetized plasmas. <i>Physics of Plasmas</i> , 2019, 26, 072114.	1.9	4
16	Radiation reaction of classical hyperbolic oscillator: Experimental signatures. <i>Annals of Physics</i> , 2019, 405, 130-154.	2.8	3
17	A decadal microwave record of tropical air temperature from AMSU-A/aqua observations. <i>Climate Dynamics</i> , 2013, 41, 1385-1405.	3.8	2
18	Driving low frequency oscillations in a Hall thruster. , 2014, , .		1