

Matteo Valerio Falessi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

201
citations

1040056

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1058476

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docs citations

18
times ranked

164
citing authors

#	ARTICLE	IF	CITATIONS
1	Beta-induced Alfvén eigenmodes and geodesic acoustic modes in the presence of strong tearing activity during the current ramp-down on JET. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 045023.	2.1	5
2	Analysis of the nonlinear dynamics of a chirping-frequency Alfvén mode in a tokamak equilibrium. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	5
3	Nonlinear radial envelope evolution equations and energetic particle transport in tokamak plasmas. <i>Journal of Physics: Conference Series</i> , 2021, 1785, 012005.	0.4	16
4	Evidence of “two plasmon” decay of energetic particle induced geodesic acoustic mode. <i>New Journal of Physics</i> , 2021, 23, 063045.	2.9	2
5	Resonance overlap and nonlinear features of the beam-plasma system. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	3
6	On the polarization of shear Alfvén and acoustic continuous spectra in toroidal plasmas. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	12
7	Shear Alfvén and acoustic continuum in general axisymmetric toroidal geometry. <i>Physics of Plasmas</i> , 2019, 26, 082502.	1.9	16
8	Transport theory of phase space zonal structures. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	29
9	Coherent magnetic structures in self-organized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 044003.	2.1	15
10	Gyrokinetic theory for particle and energy transport in fusion plasmas. <i>Physics of Plasmas</i> , 2018, 25, 032306.	1.9	7
11	Lagrangian Coherent Structures as a new frame to investigate the particle transport in highly chaotic magnetic systems. <i>Journal of Physics: Conference Series</i> , 2018, 1125, 012008.	0.4	3
12	Coherent transport structures in magnetized plasmas. I. Theory. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	12
13	Coherent transport structures in magnetized plasmas. II. Numerical results. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	9
14	Mixed Diffusive-Convective Relaxation of a Warm Beam of Energetic Particles in Cold Plasma. <i>Entropy</i> , 2016, 18, 143.	2.2	10
15	Lagrangian coherent structures and plasma transport processes. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	23
16	Nonlinear physics and energetic particle transport features of the beam-plasma instability. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	19
17	Collisionless losses of fast ions in the Divertor Tokamak Test due to toroidal field ripple. <i>Nuclear Fusion</i> , 0, , .	3.5	6
18	A linear benchmark between HYMAGYC, MEGA and ORB5 codes using the NLED-AUG test case to study Alfvénic modes driven by energetic particles. <i>Nuclear Fusion</i> , 0, , .	3.5	9