

Ian Abel

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

336
citations

1040056

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10
all docs

10
docs citations

10
times ranked

679
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale gyrokinetics for rotating tokamak plasmas: fluctuations, transport and energy flows. Reports on Progress in Physics, 2013, 76, 116201.	20.1	78
2	Direct multiscale coupling of a transport code to gyrokinetic turbulence codes. Physics of Plasmas, 2010, 17, .	1.9	66
3	Inertial-range kinetic turbulence in pressure-anisotropic astrophysical plasmas. Journal of Plasma Physics, 2015, 81, .	2.1	58
4	Astrophysical gyrokinetics: turbulence in pressure-anisotropic plasmas at ion scales and beyond. Journal of Plasma Physics, 2018, 84, .	2.1	38
5	Experimental Signatures of Critically Balanced Turbulence in MAST. Physical Review Letters, 2013, 110, 145002.	7.8	29
6	First principles of modelling the stabilization of microturbulence by fast ions. Nuclear Fusion, 2018, 58, 082024.	3.5	22
7	Resonant excitation of shear Alfvén perturbations by trapped energetic ions in a tokamak. Physics of Plasmas, 2009, 16, 102506.	1.9	19
8	An adjoint method for neoclassical stellarator optimization. Journal of Plasma Physics, 2019, 85, .	2.1	12
9	Multiscale gyrokinetics for rotating tokamak plasmas: II. Reduced models for electron dynamics. New Journal of Physics, 2013, 15, 023041.	2.9	11
10	Multiscale modelling for tokamak pedestals. Journal of Plasma Physics, 2018, 84, .	2.1	3