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List of Publications by Year
in descending order

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38	724	471509 17	552781 26
papers	citations	h-index	g-index

38	38	38	610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EUROfusion-theory and advanced simulation coordination (E-TASC): programme and the role of high performance computing. Plasma Physics and Controlled Fusion, 2022, 64, 034005.	2.1	2
2	Effects of magnetic perturbations and radiation on the runaway avalanche. Journal of Plasma Physics, 2021, 87, .	2.1	19
3	Validity of models for Dreicer generation of runaway electrons in dynamic scenarios. Nuclear Fusion, 2021, 61, 066010.	3.5	2
4	Alpha particle driven AlfvÃ©nic instabilities in ITER post-disruption plasmas. Nuclear Fusion, 2021, 61, 086003.	3.5	3
5	Modelling of runaway electron dynamics during argon-induced disruptions in ASDEX Upgrade and JET. Plasma Physics and Controlled Fusion, 2021, 63, 085021.	2.1	4
6	Hot-Tail Runaway Seed Landscape during the Thermal Quench in Tokamaks. Physical Review Letters, 2021, 127, 035001.	7.8	15
7	Estimate of pre-thermal quench non-thermal electron density profile during Ar pellet shutdowns of low-density target plasmas in DIII-D. Physics of Plasmas, 2021, 28, 072501.	1.9	3
8	DREAM: A fluid-kinetic framework for tokamak disruption runaway electron simulations. Computer Physics Communications, 2021, 268, 108098.	7.5	22
9	Spatiotemporal analysis of the runaway distribution function from synchrotron images in an ASDEX Upgrade disruption. Journal of Plasma Physics, 2021, 87, .	2.1	17
10	Modeling the complete prevention of disruption-generated runaway electron beam formation with a passive 3D coil in SPARC. Nuclear Fusion, 2021, 61, 124003.	3.5	17
11	Runaway dynamics in the DT phase of ITER operations in the presence of massive material injection. Journal of Plasma Physics, 2020, 86, .	2.1	30
12	Kinetic modelling of runaway electron generation in argon-induced disruptions in ASDEX Upgrade. Journal of Plasma Physics, 2020, 86, .	2.1	7
13	Effect of plasma elongation on current dynamics during tokamak disruptions. Journal of Plasma Physics, 2020, 86, .	2.1	15
14	Runaway electron synchrotron radiation in a vertically translated plasma. Nuclear Fusion, 2020, 60, 094002.	3.5	7
15	Assessing energy dependence of the transport of relativistic electrons in perturbed magnetic fields with orbit-following simulations. Nuclear Fusion, 2020, 60, 126050.	3.5	8
16	Influence of massive material injection on avalanche runaway generation during tokamak disruptions. Nuclear Fusion, 2019, 59, 084004.	3.5	42
17	Physics research on the TCV tokamak facility: from conventional to alternative scenarios and beyond. Nuclear Fusion, 2019, 59, 112023.	3.5	43
18	Recent DIII-D advances in runaway electron measurement and model validation. Nuclear Fusion, 2019, 59, 066025.	3.5	13

#	Article	IF	Citations
19	Evaluation of the Dreicer runaway generation rate in the presence of high- impurities using a neural network. Journal of Plasma Physics, 2019, 85, .	2.1	26
20	On the relativistic large-angle electron collision operator for runaway avalanches in plasmas. Journal of Plasma Physics, 2018, 84, .	2.1	21
21	Dynamics of positrons during relativistic electron runaway. Journal of Plasma Physics, 2018, 84, .	2.1	3
22	Generalized collision operator for fast electrons interacting with partially ionized impurities. Journal of Plasma Physics, 2018, 84, .	2.1	31
23	Spatiotemporal evolution of runaway electrons from synchrotron images in Alcator C-Mod. Plasma Physics and Controlled Fusion, 2018, 60, 124001.	2.1	18
24	Interpretation of runaway electron synchrotron and bremsstrahlung images. Nuclear Fusion, 2018, 58, 082001.	3.5	12
25	Effect of partially ionized impurities and radiation on the effective critical electric field for runaway generation. Plasma Physics and Controlled Fusion, 2018, 60, 074010.	2.1	40
26	Measurements of runaway electron synchrotron spectra at high magnetic fields in Alcator C-Mod. Nuclear Fusion, 2018, 58, 076019.	3.5	6
27	SOFT: a synthetic synchrotron diagnostic for runaway electrons. Nuclear Fusion, 2018, 58, 026032.	3.5	28
28	NORSE: A solver for the relativistic non-linear Fokkerâ€“Planck equation for electrons in a homogeneous plasma. Computer Physics Communications, 2017, 212, 269-279.	7.5	16
29	Effect of Partially Screened Nuclei on Fast-Electron Dynamics. Physical Review Letters, 2017, 118, 255001.	7.8	45
30	Runaway-electron formation and electron slide-away in an ITER post-disruption scenario. Journal of Physics: Conference Series, 2016, 775, 012013.	0.4	4
31	Kinetic modelling of runaway electrons in dynamic scenarios. Nuclear Fusion, 2016, 56, 112009.	3.5	45
32	Effect of bremsstrahlung radiation emission on fast electrons in plasmas. New Journal of Physics, 2016, 18, 093023.	2.9	20
33	Numerical characterization of bump formation in the runaway electron tail. Plasma Physics and Controlled Fusion, 2016, 58, 025016.	2.1	36
34	Radiation reaction induced non-monotonic features in runaway electron distributions. Journal of Plasma Physics, 2015, 81, .	2.1	22
35	Guiding-centre transformation of the radiationâ€“reaction force in a non-uniform magnetic field. Journal of Plasma Physics, 2015, 81, .	2.1	13
36	Numerical calculation of ion runaway distributions. Physics of Plasmas, 2015, 22, 052122.	1.9	5

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37	Effective Critical Electric Field for Runaway-Electron Generation. Physical Review Letters, 2015, 114, 115002.	7.8	59
38	The Gaussian radial basis function method for plasma kinetic theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2735-2739.	2.1	5