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List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

688
citations

623734

14
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the SPARC physics basis towards the exploration of burning-plasma regimes in high-field, compact tokamaks. Nuclear Fusion, 2022, 62, 042003.	3.5	37
2	Predictions of core plasma performance for the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	45
3	Overview of the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	181
4	MHD stability and disruptions in the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	31
5	Divertor heat flux challenge and mitigation in SPARC. Journal of Plasma Physics, 2020, 86, .	2.1	40
6	Projections of H-mode access and edge pedestal in the SPARC tokamak. Journal of Plasma Physics, 2020, 86, .	2.1	16
7	Design study of a combined interferometer and polarimeter for a high-field, compact tokamak. Physics of Plasmas, 2020, 27, .	1.9	4
8	Effect of plasma elongation on current dynamics during tokamak disruptions. Journal of Plasma Physics, 2020, 86, .	2.1	15
9	Criteria for the importance of multi-scale interactions in turbulent transport simulations. Plasma Physics and Controlled Fusion, 2019, 61, 085022.	2.1	14
10	Perturbative transport modeling of cold-pulse dynamics in Alcator C-Mod Ohmic plasmas. Nuclear Fusion, 2019, 59, 066017.	3.5	12
11	Neutron diagnostics for the physics of a high-field, compact, Q \sim 1 tokamak. Fusion Engineering and Design, 2019, 143, 212-225.	1.9	5
12	Validation of gyrokinetic simulations with measurements of electron temperature fluctuations and density-temperature phase angles on ASDEX Upgrade. Physics of Plasmas, 2018, 25, .	1.9	32
13	Explaining Cold-Pulse Dynamics in Tokamak Plasmas Using Local Turbulent Transport Models. Physical Review Letters, 2018, 120, 075001.	7.8	34
14	Multi-scale gyrokinetic simulations of an Alcator C-Mod, ELM-y H-mode plasma. Plasma Physics and Controlled Fusion, 2018, 60, 014034.	2.1	12
15	Validation study of GENE on ASDEX Upgrade using perturbative thermal diffusivity measured with partial sawtooth heat pulses. Nuclear Fusion, 2018, 58, 126001.	3.5	6
16	Verification of GENE and GYRO with L-mode and I-mode plasmas in Alcator C-Mod. Physics of Plasmas, 2018, 25, 042505.	1.9	7
17	Correlation electron cyclotron emission diagnostic and improved calculation of turbulent temperature fluctuation levels on ASDEX Upgrade. Review of Scientific Instruments, 2018, 89, 053503.	1.3	20
18	VITALS: A Surrogate-Based Optimization Framework for the Accelerated Validation of Plasma Transport Codes. Fusion Science and Technology, 2018, 74, 65-76.	1.1	13

#	ARTICLE	IF	CITATIONS
19	Novel analysis technique for measuring edge density fluctuation profiles with reflectometry in the Large Helical Device. <i>Review of Scientific Instruments</i> , 2017, 88, 073509.	1.3	4
20	Validation of nonlinear gyrokinetic simulations of L- and I-mode plasmas on Alcator C-Mod. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	21
21	Physics and performance of the I-mode regime over an expanded operating space on Alcator C-Mod. <i>Nuclear Fusion</i> , 2017, 57, 126039.	3.5	36
22	Multi-scale gyrokinetic simulations: Comparison with experiment and implications for predicting turbulence and transport. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	59
23	Measurement of turbulent electron temperature fluctuations on the ASDEX Upgrade tokamak using correlated electron cyclotron emission. <i>Review of Scientific Instruments</i> , 2016, 87, 11E102.	1.3	28
24	Nonlinear gyrokinetic simulations of the I-mode high confinement regime and comparisons with	1.9	16