

Muquan Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Key issues for long-pulse high- β^2 operation with the Experimental Advanced Superconducting Tokamak (EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
2	Observation of internal transport barrier in ELMy H-mode plasmas on the EAST tokamak. Plasma Physics and Controlled Fusion, 2017, 59, 085003.	2.1	34
3	Experimental progress of hybrid operational scenario on EAST tokamak. Nuclear Fusion, 2020, 60, 102001.	3.5	25
4	Progress of physics understanding for long pulse high-performance plasmas on EAST towards the steady-state operation of ITER and CFETR. Plasma Physics and Controlled Fusion, 2020, 62, 014019.	2.1	22
5	Progress in extending high poloidal beta scenarios on DIII-D towards a steady-state fusion reactor and impact of energetic particles. Nuclear Fusion, 2020, 60, 126007.	3.5	21
6	Modeling and advances in the high bootstrap fraction regime on EAST towards the steady-state operation. Nuclear Fusion, 2019, 59, 106009.	3.5	20
7	Power threshold and confinement of the I-mode in the EAST tokamak. Nuclear Fusion, 2020, 60, 082003.	3.5	16
8	Experimental observation and simulation analysis of the relationship between the fishbone and ITB formation on EAST tokamak. Nuclear Fusion, 2020, 60, 122001.	3.5	16
9	Improved high-performance fully non-inductive discharge by optimizing the fast-ion confinement on EAST. Nuclear Fusion, 2020, 60, 016002.	3.5	14
10	Advances in physics understanding of high poloidal beta regime toward steady-state operation of CFETR. Physics of Plasmas, 2021, 28, .	1.9	14
11	EAST steady-state long pulse H-mode with core-edge integration for CFETR. Nuclear Fusion, 2022, 62, 076009.	3.5	14
12	Evaluating the effects of tungsten on CFETR phase I performance. Nuclear Fusion, 2018, 58, 126020.	3.5	10
13	Study of H-mode pedestal predictive model on EAST tokamak. Plasma Physics and Controlled Fusion, 2020, 62, 115007.	2.1	7
14	Understanding core tungsten (W) transport and control in an improved high-performance fully non-inductive discharge on EAST. Nuclear Fusion, 2022, 62, 066031.	3.5	7
15	Modeling very high electron heating by radio frequency waves on EAST. Nuclear Fusion, 2021, 61, 096026.	3.5	6
16	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5
17	Nonlinear mode couplings between geodesic acoustic mode and toroidal Alfvén eigenmodes in the EAST tokamak. Physics of Plasmas, 2022, 29, .	1.9	5
18	Experimental response of the divertor particle flux to internal transport barrier dynamics in EAST high- β^2 discharges. Nuclear Fusion, 2020, 60, 036008.	3.5	4

#	ARTICLE	IF	CITATIONS
19	Impedance matching system using triple liquid stub tuners for high-power ion cyclotron resonance heating in EAST tokamak. Review of Scientific Instruments, 2022, 93, 043506.	1.3	4
20	CFETR equilibrium with self-consistent pedestal structure. Fusion Engineering and Design, 2017, 122, 29-34.	1.9	3
21	Integrated modeling of plasma ramp-up in DIII-D ITER-like and high bootstrap current scenario discharges. Physics of Plasmas, 2018, 25, 042506.	1.9	3
22	Experiment and simulation of ELM in NBI heated plasma on EAST tokamak. Nuclear Fusion, 2021, 61, 056011.	3.5	3
23	Dependence of fishbone cycle on energetic particle intensity in EAST low-magnetic-shear plasmas. Journal of Plasma Physics, 2020, 86, .	2.1	2
24	Study of turbulence in the high \hat{I}^2 discharge using only RF heating on EAST. Plasma Physics and Controlled Fusion, 2022, 64, 045017.	2.1	2
25	Gyrokinetic Simulation of Turbulence in the High- \hat{I}^2 Discharge on the Experimental Advanced Superconducting Tokamak. Plasma Physics Reports, 2020, 46, 1137-1143.	0.9	1
26	Experimental and theoretical study of weakly coherent mode in I-mode edge plasmas in the EAST tokamak. Nuclear Fusion, 2022, 62, 086029.	3.5	1
27	Impact of coherent mode on divertor particle and heat flux in a type I ELMy H mode plasma on EAST tokamak. Nuclear Fusion, 0, , .	3.5	1
28	432- \hat{I}^2 m laser's beam-waist measurement for the polarimeter/interferometer on the EAST tokamak. Journal of the Korean Physical Society, 2014, 65, 1215-1220.	0.7	0
29	The comparison between modeling of edge localized modes with a current relaxation model and experiment on EAST. Plasma Physics and Controlled Fusion, 2017, 59, 085010.	2.1	0
30	Illustrating the physics of core tungsten (W) transport in a long-pulse steady-state H-mode discharge on EAST. Nuclear Fusion, 0, , .	3.5	0