

Muquan Wu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	EAST steady-state long pulse H-mode with core-edge integration for CFETR. Nuclear Fusion, 2022, 62, 076009.	3.5	14
3	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
4	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
5	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
6	Nonlinear mode couplings between geodesic acoustic mode and toroidal Alfvén eigenmodes in the EAST tokamak. Physics of Plasmas, 2022, 29, .	1.9	5
7	Advances in physics understanding of high poloidal beta regime toward steady-state operation of CFETR. Physics of Plasmas, 2021, 28, .	1.9	14
8	Experiment and simulation of ELM in NBI heated plasma on EAST tokamak. Nuclear Fusion, 2021, 61, 056011.	3.5	3
9	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5
10	Modeling very high electron heating by radio frequency waves on EAST. Nuclear Fusion, 2021, 61, 096026.	3.5	6
11	Improved high-performance fully non-inductive discharge by optimizing the fast-ion confinement on EAST. Nuclear Fusion, 2020, 60, 016002.	3.5	14
12	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
13	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
14	Power threshold and confinement of the I-mode in the EAST tokamak. Nuclear Fusion, 2020, 60, 082003.	3.5	16
15	Experimental response of the divertor particle flux to internal transport barrier dynamics in EAST high- \hat{I}^2 discharges. Nuclear Fusion, 2020, 60, 036008.	3.5	4
16	Dependence of fishbone cycle on energetic particle intensity in EAST low-magnetic-shear plasmas. Journal of Plasma Physics, 2020, 86, .	2.1	2
17	Experimental progress of hybrid operational scenario on EAST tokamak. Nuclear Fusion, 2020, 60, 102001.	3.5	25
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Study of H-mode pedestal predictive model on EAST tokamak. Plasma Physics and Controlled Fusion, 2020, 62, 115007.	2.1	7
21	Modeling and advances in the high bootstrap fraction regime on EAST towards the steady-state operation. Nuclear Fusion, 2019, 59, 106009.	3.5	20
22	Evaluating the effects of tungsten on CFETR phase I performance. Nuclear Fusion, 2018, 58, 126020.	3.5	10
23	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
24	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
25	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
26	CFETR equilibrium with self-consistent pedestal structure. Fusion Engineering and Design, 2017, 122, 29-34.	1.9	3
27	Key issues for long-pulse high- β_N operation with the Experimental Advanced Superconducting Tokamak (EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
28	432- $\frac{1}{4}$ 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	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
30	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