

T Y Xia

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

361
citations

759233

12
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of equilibrium shear flow on peeling-ballooning instability and edge localized mode crash. Physics of Plasmas, 2012, 19, .	1.9	65
2	Nonlinear fluid simulation of particle and heat fluxes during burst of ELMs on DIII-D with BOUT++ code. Nuclear Fusion, 2015, 55, 113030.	3.5	38
3	Five-field simulations of peeling-ballooning modes using BOUT++ code. Physics of Plasmas, 2013, 20, .	1.9	26
4	Recent advances in long-pulse high-confinement plasma operations in Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, 056107.	1.9	25
5	The physics mechanisms of the weakly coherent mode in the Alcator C-Mod Tokamak. Physics of Plasmas, 2016, 23, .	1.9	23
6	Toward integrated multi-scale pedestal simulations including edge-localized-mode dynamics, evolution of edge-localized-mode cycles, and continuous fluctuations. Physics of Plasmas, 2016, 23, 055901.	1.9	22
7	Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21, .	1.9	21
8	Progress towards modeling tokamak boundary plasma turbulence and understanding its role in setting divertor heat flux widths. Physics of Plasmas, 2018, 25, 055905.	1.9	17
9	Impact of inward turbulence spreading on energy loss of edge-localized modes. Physics of Plasmas, 2015, 22, .	1.9	15
10	Impact of relative phase shift on inward turbulent spreading. Physics of Plasmas, 2015, 22, 010702.	1.9	15
11	Nonlinear Simulations of Peeling&Ballooning Modes with Parallel Velocity Perturbation. Contributions To Plasma Physics, 2012, 52, 353-359.	1.1	14
12	Experimental study of heating scheme effect on the inner divertor power footprint widths in EAST lower single null discharges. Plasma Physics and Controlled Fusion, 2018, 60, 045001.	2.1	14
13	Self-consistent simulation of transport and turbulence in tokamak edge plasma by coupling SOLPS-ITER and BOUT++. Physics of Plasmas, 2019, 26, .	1.9	12
14	Progress of Divertor Heat and Particle Flux Control in EAST for Advanced Steady-State Operation in the Last 10 Years. Journal of Fusion Energy, 2021, 40, 1.	1.2	9
15	Simulations of particle and heat fluxes in an ELMy H-mode discharge on EAST using BOUT++ code. Plasma Physics and Controlled Fusion, 2018, 60, 055007.	2.1	8
16	ELMy H-mode linear simulation with 3-field model on experimental advanced superconducting tokamak using BOUT++ code. Physics of Plasmas, 2012, 19, .	1.9	7
17	Quasi-coherent mode simulation during inter-ELM period in HL-2A. Physics of Plasmas, 2018, 25, 122510.	1.9	7
18	Study of power width scaling in scrape-off layer with 2D electrostatic turbulence code based on EAST L-mode discharges. Physics of Plasmas, 2019, 26, 042509.	1.9	6

#	ARTICLE	IF	CITATIONS
19	The simulation of ELM suppression by ion cyclotron resonance heating in EAST using BOUT++. Nuclear Fusion, 2022, 62, 066043.	3.5	6
20	Edge-localized-mode simulation in CFETR steady-state scenario. Nuclear Fusion, 2022, 62, 016008.	3.5	3
21	Simulation of dynamic characteristics for ELM filaments on EAST tokamak using BOUT++. AIP Advances, 2020, 10, .	1.3	2
22	Simulation of supersonic molecular beam injection fueling into H-mode plasmas on EAST using BOUT++. Physics of Plasmas, 2020, 27, 012501.	1.9	2
23	Simulations of heat fluxes in an ELMy H-mode discharge on HL-2A. AIP Advances, 2021, 11, 035334.	1.3	2
24	Influence of ELMs on ICRF wave scattering. AIP Conference Proceedings, 2020, , .	0.4	1
25	The simulation of ELMs mitigation by pedestal coherent mode in EAST using BOUT++. Nuclear Fusion, 2022, 62, 066018.	3.5	1