Guoqiang Li

List of Publications by Year in descending order

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57	936	471509 17	501196 28
papers	citations	h-index	g-index

57	57	57	644
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physics Design of CFETR: Determination of the Device Engineering Parameters. IEEE Transactions on Plasma Science, 2014, 42, 495-502.	1.3	141
2	Self-consistent modeling of CFETR baseline scenarios for steady-state operation. Plasma Physics and Controlled Fusion, 2017, 59, 075005.	2.1	48
3	Key issues for long-pulse high-Î²_Noperation with theExperimental Advanced Superconducting Tokamak(EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
4	Development of high poloidal beta, steady-state scenario with ITER-like tungsten divertor on EAST. Nuclear Fusion, 2017, 57, 076037.	3.5	44
5	Kinetic equilibrium reconstruction on EAST tokamak. Plasma Physics and Controlled Fusion, 2013, 55, 125008.	2.1	42
6	Equilibrium and catastrophe of coronal flux ropes in axisymmetrical magnetic field. Journal of Geophysical Research, 2003, 108, .	3.3	41
7	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
8	Integrated modeling of CFETR hybrid scenario plasmas. Nuclear Fusion, 2021, 61, 046002.	3.5	33
9	Hybrid simulation of fishbone instabilities in the EAST tokamak. Nuclear Fusion, 2017, 57, 116035.	3.5	31
10	Impact of the pedestal plasma density on dynamics of edge localized mode crashes and energy loss scaling. Physics of Plasmas, 2014, 21, .	1.9	30
11	Optimization of CFETR baseline performance by controlling rotation shear and pedestal collisionality through integrated modeling. Nuclear Fusion, 2017, 57, 046012.	3.5	26
12	First demonstration of full ELM suppression in low input torque plasmas to support ITER research plan using n = 4 RMP in EAST. Nuclear Fusion, 2021, 61, 106037.	3.5	26
13	Modeling study of radiation characteristics with different impurity species seeding in EAST. Physics of Plasmas, 2017, 24, .	1.9	23
14	Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21, .	1.9	21
15	Force Balance Analysis of a Coronal Magnetic Flux Rope in Equilibrium or Eruption. Astrophysical Journal, 2006, 649, 1093-1099.	4.5	19
16	Study of impurity effects on CFETR steady-state scenario by self-consistent integrated modeling. Nuclear Fusion, 2017, 57, 126046.	3.5	19
17	Transport simulation of EAST long-pulse H-mode discharge with integrated modeling. Nuclear Fusion, 2018, 58, 046001.	3.5	19
18	Simulation studies of divertor power exhaust with neon seeding for CFETR with GW-level fusion power. Physics of Plasmas, 2020, 27, .	1.9	19

#	Article	IF	Citations
19	Numerical study of AlfvÃ©n eigenmodes in the Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, .	1.9	18
20	Catastrophe of coronal magnetic flux ropes in fully open magnetic field. Science in China Series A: Mathematics, 2002, 45, 65-73.	0.5	17
21	Kinetic-MHD hybrid simulation of fishbone modes excited by fast ions on the experimental advanced superconducting tokamak (EAST). Physics of Plasmas, 2017, 24, .	1.9	14
22	Advances in physics understanding of high poloidal beta regime toward steady-state operation of CFETR. Physics of Plasmas, 2021, 28, .	1.9	14
23	Rotation braking with n = 1 nonaxisymmetric magnetic perturbation in the EAST tokamak. Physics of Plasmas, 2019, 26, .	1.9	13
24	Three dimensional nonlinear simulations of edge localized modes on the EAST tokamak using BOUT++ code. Physics of Plasmas, 2014, 21, 090705.	1.9	11
25	Ideal MHD stability and characteristics of edge localized modes on CFETR. Nuclear Fusion, 2018, 58, 016018.	3.5	10
26	Magnetic polarization measurements of the multi-modal plasma response to 3D fields in the EAST tokamak. Nuclear Fusion, 2018, 58, 076016.	3.5	10
27	Theoretical analysis of key factors achieving reversed magnetic shear q-profiles sustained with lower hybrid waves on EAST. Plasma Physics and Controlled Fusion, 2019, 61, 045002.	2.1	10
28	Symplectic structure-preserving particle-in-cell whole-volume simulation of tokamak plasmas to 111.3 trillion particles and 25.7 billion grids. , 2021, , .		10
29	Simulation of fast-ion-driven AlfvÃ©n eigenmodes on the Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2016, 23, 022505.	1.9	9
30	Linear stability of toroidal AlfvÃ©n eigenmodes in the Chinese Fusion Engineering Test Reactor. Fusion Engineering and Design, 2017, 114, 118-126.	1.9	9
31	Development of a high-speed vacuum ultraviolet (VUV) imaging system for the Experimental Advanced Superconducting Tokamak. Review of Scientific Instruments, 2017, 88, 073505.	1.3	9
32	Study on the temperature control mechanism of the tritium breeding blanket for CFETR. Nuclear Fusion, 2017, 57, 124003.	3.5	8
33	Modeling study of the onset density for divertor detachment on EAST. Physics of Plasmas, 2019, 26, .	1.9	8
34	Long Pulse H-Mode Scenarios Sustained by RF Heating on EAST. Plasma Science and Technology, 2015, 17, 448-453.	1.5	7
35	Progress of Concept Design for CFETR Diagnostic System. IEEE Transactions on Plasma Science, 2018, 46, 1361-1365.	1.3	7
36	Modeling of the beam excited fishbone mode in EAST. Nuclear Fusion, 2019, 59, 076040.	3.5	7

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37	Tungsten divertor plasma simulation with bundled charge state model by SOLPS-ITER on EAST. AIP Advances, 2021, 11, 025233.	1.3	7
38	Recent results of fusion triple product on EAST tokamak. Plasma Science and Technology, 2021, 23, 092001.	1.5	7
39	Preliminary consideration of CFETR ITER-like case diagnostic system. Review of Scientific Instruments, 2016, 87, 11D401.	1.3	6
40	Effect of pedestal fluctuation on ELM frequency in the EAST tokamak. Nuclear Fusion, 2018, 58, 056014.	3.5	6
41	Conceptual design of the cryogenic system and estimation of the recirculated power for CFETR. Nuclear Fusion, 2017, 57, 016037.	3.5	5
42	Stability analysis of ELMs in long-pulse discharges with ELITE code on EAST tokamak. Plasma Physics and Controlled Fusion, 2018, 60, 055002.	2.1	5
43	Simulation Study of Large Power Handling in the Divertor for CFETR Phase II. IEEE Transactions on Plasma Science, 2018, 46, 1377-1381.	1.3	5
44	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5
45	Effects of resonant magnetic perturbations on neutral beam heating in a tokamak. Physics of Plasmas, 2021, 28, .	1.9	5
46	Modeling of divertor geometry effects in China fusion engineering testing reactor by SOLPS/B2-Eirene. Physics of Plasmas, 2014, 21, 052503.	1.9	4
47	Investigation of high harmonic fast wave for current drive on CFETR. Fusion Engineering and Design, 2019, 145, 72-78.	1.9	4
48	Numerical investigation of alpha particle confinement under the perturbation of neoclassical tearing modes and toroidal field ripple in CFETR. Nuclear Fusion, 2021, 61, 046035.	3.5	4
49	Predictive Modeling for Performance Assessment of ITER-Like Divertor in China Fusion Engineering Testing Reactor. Journal of Fusion Energy, 2015, 34, 1077-1087.	1.2	3
50	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
51	Numerical investigation of a minority heating scenario in three-ion components plasma on EAST. Physics of Plasmas, 2020, 27, 082506.	1.9	3
52	Stability analysis of AlfvÃ©n eigenmodes in China Fusion Engineering Test Reactor fully non-inductive and hybrid mode scenarios. Plasma Science and Technology, 2021, 23, 045103.	1.5	3
53	Edge-localized-mode simulation in CFETR steady-state scenario. Nuclear Fusion, 2022, 62, 016008.	3.5	3
54	Observation of filament-like structures in ELMy H-mode plasma with a VUV imaging system developed on the EAST tokamak. Plasma Science and Technology, 2019, 21, 095101.	1.5	2

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55	Thermalâ€“hydraulic analysis of the coil test facility for CFETR. SpringerPlus, 2016, 5, 2052.	1.2	1
56	Effect of the Fusion Fuelsâ€™ Polarization on Neutron Wall Loading Distribution in CFETR. Fusion Science and Technology, 0, , 1-10.	1.1	1
57	Ideal MHD Stability Prediction and Required Power for EAST Advanced Scenario. Plasma Science and Technology, 2012, 14, 947-952.	1.5	0