

# Guoqiang Li

## List of Publications by Year in descending order

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Edge-localized-mode simulation in CFETR steady-state scenario. Nuclear Fusion, 2022, 62, 016008.	3.5	3
2	Tungsten divertor plasma simulation with bundled charge state model by SOLPS-ITER on EAST. AIP Advances, 2021, 11, 025233.	1.3	7
3	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
4	Integrated modeling of CFETR hybrid scenario plasmas. Nuclear Fusion, 2021, 61, 046002.	3.5	33
5	Advances in physics understanding of high poloidal beta regime toward steady-state operation of CFETR. Physics of Plasmas, 2021, 28, .	1.9	14
6	Stability analysis of Alfvén eigenmodes in China Fusion Engineering Test Reactor fully non-inductive and hybrid mode scenarios. Plasma Science and Technology, 2021, 23, 045103.	1.5	3
7	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5
8	Recent results of fusion triple product on EAST tokamak. Plasma Science and Technology, 2021, 23, 092001.	1.5	7
9	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
10	Symplectic structure-preserving particle-in-cell whole-volume simulation of tokamak plasmas to 111.3 trillion particles and 25.7 billion grids. , 2021, , .		10
11	Effects of resonant magnetic perturbations on neutral beam heating in a tokamak. Physics of Plasmas, 2021, 28, .	1.9	5
12	Simulation studies of divertor power exhaust with neon seeding for CFETR with GW-level fusion power. Physics of Plasmas, 2020, 27, .	1.9	19
13	Numerical investigation of a minority heating scenario in three-ion components plasma on EAST. Physics of Plasmas, 2020, 27, 082506.	1.9	3
14	Modeling of the beam excited fishbone mode in EAST. Nuclear Fusion, 2019, 59, 076040.	3.5	7
15	Modeling study of the onset density for divertor detachment on EAST. Physics of Plasmas, 2019, 26, .	1.9	8
16	Rotation braking with $n = 1$ nonaxisymmetric magnetic perturbation in the EAST tokamak. Physics of Plasmas, 2019, 26, .	1.9	13
17	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
18	Investigation of high harmonic fast wave for current drive on CFETR. Fusion Engineering and Design, 2019, 145, 72-78.	1.9	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Effect of pedestal fluctuation on ELM frequency in the EAST tokamak. Nuclear Fusion, 2018, 58, 056014.	3.5	6
22	Ideal MHD stability and characteristics of edge localized modes on CFETR. Nuclear Fusion, 2018, 58, 016018.	3.5	10
23	Progress of Concept Design for CFETR Diagnostic System. IEEE Transactions on Plasma Science, 2018, 46, 1361-1365.	1.3	7
24	Transport simulation of EAST long-pulse H-mode discharge with integrated modeling. Nuclear Fusion, 2018, 58, 046001.	3.5	19
25	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
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	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
28	Linear stability of toroidal Alfvén eigenmodes in the Chinese Fusion Engineering Test Reactor. Fusion Engineering and Design, 2017, 114, 118-126.	1.9	9
29	Conceptual design of the cryogenic system and estimation of the recirculated power for CFETR. Nuclear Fusion, 2017, 57, 016037.	3.5	5
30	Optimization of CFETR baseline performance by controlling rotation shear and pedestal collisionality through integrated modeling. Nuclear Fusion, 2017, 57, 046012.	3.5	26
31	Self-consistent modeling of CFETR baseline scenarios for steady-state operation. Plasma Physics and Controlled Fusion, 2017, 59, 075005.	2.1	48
32	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
33	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
34	Study of impurity effects on CFETR steady-state scenario by self-consistent integrated modeling. Nuclear Fusion, 2017, 57, 126046.	3.5	19
35	Hybrid simulation of fishbone instabilities in the EAST tokamak. Nuclear Fusion, 2017, 57, 116035.	3.5	31
36	Study on the temperature control mechanism of the tritium breeding blanket for CFETR. Nuclear Fusion, 2017, 57, 124003.	3.5	8

#	ARTICLE	IF	CITATIONS
37	Key issues for long-pulse high- $\beta^2$ operation with the Experimental Advanced Superconducting Tokamak (EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
38	Modeling study of radiation characteristics with different impurity species seeding in EAST. Physics of Plasmas, 2017, 24, .	1.9	23
39	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
40	Development of high poloidal beta, steady-state scenario with ITER-like tungsten divertor on EAST. Nuclear Fusion, 2017, 57, 076037.	3.5	44
41	Simulation of fast-ion-driven Alfvén eigenmodes on the Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2016, 23, 022505.	1.9	9
42	Preliminary consideration of CFETR ITER-like case diagnostic system. Review of Scientific Instruments, 2016, 87, 11D401.	1.3	6
43	Thermal-hydraulic analysis of the coil test facility for CFETR. SpringerPlus, 2016, 5, 2052.	1.2	1
44	Long Pulse H-Mode Scenarios Sustained by RF Heating on EAST. Plasma Science and Technology, 2015, 17, 448-453.	1.5	7
45	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
46	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
47	Numerical study of Alfvén eigenmodes in the Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, .	1.9	18
48	Modeling of divertor geometry effects in China fusion engineering testing reactor by SOLPS/B2-Eirene. Physics of Plasmas, 2014, 21, 052503.	1.9	4
49	Linear calculations of edge current driven kink modes with BOUT++ code. Physics of Plasmas, 2014, 21, .	1.9	21
50	Three dimensional nonlinear simulations of edge localized modes on the EAST tokamak using BOUT++ code. Physics of Plasmas, 2014, 21, 090705.	1.9	11
51	Physics Design of CFETR: Determination of the Device Engineering Parameters. IEEE Transactions on Plasma Science, 2014, 42, 495-502.	1.3	141
52	Kinetic equilibrium reconstruction on EAST tokamak. Plasma Physics and Controlled Fusion, 2013, 55, 125008.	2.1	42
53	Ideal MHD Stability Prediction and Required Power for EAST Advanced Scenario. Plasma Science and Technology, 2012, 14, 947-952.	1.5	0
54	Force Balance Analysis of a Coronal Magnetic Flux Rope in Equilibrium or Eruption. Astrophysical Journal, 2006, 649, 1093-1099.	4.5	19

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55	Equilibrium and catastrophe of coronal flux ropes in axisymmetrical magnetic field. Journal of Geophysical Research, 2003, 108, .	3.3	41
56	Catastrophe of coronal magnetic flux ropes in fully open magnetic field. Science in China Series A: Mathematics, 2002, 45, 65-73.	0.5	17
57	Effect of the Fusion Fuelsâ€™ Polarization on Neutron Wall Loading Distribution in CFETR. Fusion Science and Technology, 0, , 1-10.	1.1	1