

Xiang Gao

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of the present progress and activities on the CFETR. Nuclear Fusion, 2017, 57, 102009.	3.5	417
2	ICRF boronization - A new technique towards high efficiency wall coating for superconducting tokamak reactors. Nuclear Fusion, 1999, 39, 973-977.	3.5	79
3	Density Profile and Fluctuation Measurements by Microwave Reflectometry on EAST. Plasma Science and Technology, 2014, 16, 311-315.	1.5	68
4	Development of the W-band density profile and fluctuation reflectometer on EAST. Fusion Engineering and Design, 2013, 88, 2950-2955.	1.9	65
5	Design and characterization of a 32-channel heterodyne radiometer for electron cyclotron emission measurements on experimental advanced superconducting tokamak. Review of Scientific Instruments, 2014, 85, 073506.	1.3	58
6	Q-Band X-Mode Reflectometry and Density Profile Reconstruction. Plasma Science and Technology, 2015, 17, 985-990.	1.5	53
7	Characterizations of power loads on divertor targets for type-I, compound and small ELMs in the EAST superconducting tokamak. Nuclear Fusion, 2013, 53, 073028.	3.5	51
8	Multi-Channel FIR HCN Laser Interferometer on HT-7 Tokamak. Journal of Infrared, Millimeter and Terahertz Waves, 2000, 21, 1375-1380.	0.6	47
9	Key issues for long-pulse high- β^2 operation with the Experimental Advanced Superconducting Tokamak (EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
10	Lower hybrid current drive experiments and improved performance on the HT-7 superconducting tokamak. Nuclear Fusion, 1999, 39, 1769-1774.	3.5	46
11	Improvement of divertor triple probe system and its measurements under full graphite wall on EAST. Fusion Engineering and Design, 2009, 84, 57-63.	1.9	44
12	Particle and power deposition on divertor targets in EAST H-mode plasmas. Nuclear Fusion, 2012, 52, 063024.	3.5	44
13	Experimental investigations of LHW plasma coupling and current drive related to achieving H-mode plasmas in EAST. Nuclear Fusion, 2013, 53, 113027.	3.5	37
14	Diagnostics for first plasma study on EAST tokamak. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2286-2290.	2.1	36
15	ITER test blanket module error field simulation experiments at DIII-D. Nuclear Fusion, 2011, 51, 103028.	3.5	36
16	Scaling of divertor power footprint width in RF-heated type-III ELMy H-mode on the EAST superconducting tokamak. Nuclear Fusion, 2014, 54, 114002.	3.5	36
17	High density operation on the HT-7 superconducting tokamak. Nuclear Fusion, 2000, 40, 1875-1883.	3.5	35
18	Experimental study of pedestal turbulence on EAST tokamak. Nuclear Fusion, 2015, 55, 083015.	3.5	35

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19	Electromagnetic, mechanical and thermal performance analysis of the CFETR magnet system. Nuclear Fusion, 2015, 55, 093002.	3.5	35
20	Characteristics of edge pedestals in LHW and NBI heated H-mode plasmas on EAST. Nuclear Fusion, 2016, 56, 106003.	3.5	35
21	Recent progress on divertor operations in EAST. Journal of Nuclear Materials, 2011, 415, S369-S374.	2.7	34
22	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
23	Investigations of LHW-plasma coupling and current drive at high density related to H-mode experiments in EAST. Nuclear Fusion, 2015, 55, 093030.	3.5	32
24	Electron heating by ion Bernstein wave in the HT-7 tokamak. Plasma Physics and Controlled Fusion, 2001, 43, 343-353.	2.1	31
25	Plasma density behavior in the Hefei tokamak-7. Physics of Plasmas, 2000, 7, 2933-2938.	1.9	30
26	Sustained high \hat{I}_2 N plasmas on EAST tokamak. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1242-1246.	2.1	30
27	I-mode investigation on the Experimental Advanced Superconducting Tokamak. Nuclear Fusion, 2019, 59, 096025.	3.5	29
28	Electron Cyclotron Emission Imaging on the EAST Tokamak. Plasma Science and Technology, 2011, 13, 167-171.	1.5	28
29	Farâ€infrared laser diagnostics on the HTâ€™6M tokamak. Review of Scientific Instruments, 1995, 66, 139-142.	1.3	27
30	RF wall conditioning â€™ a new technique for future large superconducting tokamak. Journal of Nuclear Materials, 2001, 290-293, 1155-1159.	2.7	26
31	Optimization of Boron Nitride Sphere Loading in Epoxy: Enhanced Thermal Conductivity and Excellent Electrical Insulation. Polymers, 2019, 11, 1335.	4.5	26
32	Scaling of L-mode heat flux for ITER and COMPASS-U divertors, based on five tokamaks. Nuclear Fusion, 2020, 60, 066016.	3.5	26
33	Dynamics of runaway electrons in lower hybrid current drive plasmas in the HT-7 tokamak. Plasma Physics and Controlled Fusion, 2006, 48, 1489-1499.	2.1	25
34	Experimental progress of hybrid operational scenario on EAST tokamak. Nuclear Fusion, 2020, 60, 102001.	3.5	25
35	New dual gas puff imaging system with up-down symmetry on experimental advanced superconducting tokamak. Review of Scientific Instruments, 2012, 83, 123506.	1.3	24
36	Evaluation of CFETR key parameters with different scenarios using system analysis code. Fusion Engineering and Design, 2016, 112, 47-52.	1.9	24

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37	Runaway electron generation during disruptions in the J-TEXT tokamak. Nuclear Fusion, 2017, 57, 046001.	3.5	24
38	Development of the quasi-optical combiner systems for density profile reflectometers on the EAST tokamak. Fusion Engineering and Design, 2019, 148, 111286.	1.9	24
39	The physics mechanisms of the weakly coherent mode in the Alcator C-Mod Tokamak. Physics of Plasmas, 2016, 23, .	1.9	23
40	Outward particle transport by coherent mode in the H-mode pedestal in the Experimental Advanced Superconducting Tokamak (EAST). Plasma Physics and Controlled Fusion, 2017, 59, 065012.	2.1	23
41	Modeling study of radiation characteristics with different impurity species seeding in EAST. Physics of Plasmas, 2017, 24, .	1.9	23
42	Extension of operational limits on EAST. Nuclear Fusion, 2007, 47, 1353-1357.	3.5	22
43	Divertor asymmetry and scrape-off layer flow in various divertor configurations in Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2012, 19, .	1.9	22
44	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
45	Plasma density behavior with new graphite limiters in the Hefei Tokamak-7. Physics of Plasmas, 2005, 12, 082502.	1.9	21
46	Modeling and advances in the high bootstrap fraction regime on EAST towards the steady-state operation. Nuclear Fusion, 2019, 59, 106009.	3.5	20
47	Progress in the conceptual design of the CFETR toroidal field coil with rectangular conductors. Nuclear Fusion, 2020, 60, 046032.	3.5	20
48	Overview of the latest HT-7 experiments. Nuclear Fusion, 2005, 45, S132-S141.	3.5	19
49	Multi-channel Heterodyne Radiometer on HT-7 Tokamak. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 28, 243-249.	0.6	19
50	Power Balance Estimation in Long Duration Discharges on QUEST. Plasma Science and Technology, 2016, 18, 1069-1075.	1.5	19
51	Study of impurity effects on CFETR steady-state scenario by self-consistent integrated modeling. Nuclear Fusion, 2017, 57, 126046.	3.5	19
52	Transport simulation of EAST long-pulse H-mode discharge with integrated modeling. Nuclear Fusion, 2018, 58, 046001.	3.5	19
53	Simulation studies of divertor power exhaust with neon seeding for CFETR with GW-level fusion power. Physics of Plasmas, 2020, 27, .	1.9	19
54	The Accomplishments and Next-Step Plan of EAST in Support of Fusion. IEEE Transactions on Plasma Science, 2014, 42, 415-420.	1.3	18

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55	Improved confinement mode induced by the MARFE on the HT-7 superconducting tokamak. Plasma Physics and Controlled Fusion, 1999, 41, 1349-1355.	2.1	17
56	Long-pulse discharges by synergy of LHW and IBW heating in the HT-7 tokamak. Journal of Nuclear Materials, 2005, 337-339, 835-838.	2.7	17
57	ICRF wall conditioning and plasma performance on EAST. Journal of Nuclear Materials, 2009, 390-391, 864-868.	2.7	17
58	L-H Transition and Edge Transport Barrier Formation on LHD. Fusion Science and Technology, 2010, 58, 61-69.	1.1	16
59	Improved density measurement by FIR laser interferometer on EAST tokamak. Fusion Engineering and Design, 2013, 88, 2830-2834.	1.9	16
60	H-mode power threshold and confinement in a molybdenum wall with different magnetic configurations on the EAST tokamak. Nuclear Fusion, 2013, 53, 073041.	3.5	16
61	Observation of Pedestal Plasma Turbulence on EAST Tokamak. Plasma Science and Technology, 2013, 15, 732-737.	1.5	16
62	Progress on CFETR physics and engineering. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 045202.	0.4	16
63	Modulated toroidal current suppression of MHD activity on the HT-7 superconducting tokamak. Nuclear Fusion, 2001, 41, 1645-1650.	3.5	15
64	Recent progress on steady-state high-performance plasma research in the Hefei Tokamak-7. Physics of Plasmas, 2004, 11, 2543-2550.	1.9	15
65	Experimental investigation of $m/n = 1/1$ and high-order harmonic modes during the sawtooth oscillation in a low I^2 tokamak plasma. Plasma Physics and Controlled Fusion, 2010, 52, 015008.	2.1	15
66	Study of confinement and LHCD efficiency on the HT-7 tokamak. Plasma Physics and Controlled Fusion, 2008, 50, 035006.	2.1	14
67	Enhancement of runaway production in lower hybrid current driven plasma with IBW heating in the HT-7 tokamak. Plasma Physics and Controlled Fusion, 2008, 50, 015001.	2.1	14
68	Evidence and modeling of 3D divertor footprint induced by lower hybrid waves on EAST with tungsten divertor operations. Nuclear Fusion, 2017, 57, 126054.	3.5	14
69	Mechanical performance evaluation of the CFETR central solenoid model coil design. Nuclear Fusion, 2018, 58, 016035.	3.5	14
70	Development of an ordinary mode multi-channel correlation reflectometer on EAST tokamak. Review of Scientific Instruments, 2018, 89, 10H103.	1.3	14
71	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
72	Experimental observation of reverse-sheared Alfvén eigenmodes (RSAEs) in ELMy H-mode plasma on the EAST tokamak. Plasma Science and Technology, 2018, 20, 115101.	1.5	14

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73	Observation of parametric decay instability during ion Bernstein wave heating experiments on HT-7. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 1227-1238.	2.1	13
74	Recent Results of LHCD Experiments in EAST. <i>Plasma Science and Technology</i> , 2011, 13, 153-156.	1.5	13
75	ELMy H-mode confinement and threshold power by low hybrid wave on the EAST tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 085005.	2.1	13
76	Observation of pedestal turbulence in edge localized mode-free H-mode on experimental advanced superconducting tokamak. <i>Physics of Plasmas</i> , 2014, 21, 102504.	1.9	13
77	Investigations of lower hybrid wave-plasma coupling by gas puffing in HT-7. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	12
78	A Dip Structure in the Intrinsic Toroidal Rotation Near the Edge of the Ohmic Plasmas in EAST. <i>Plasma Science and Technology</i> , 2011, 13, 397-404.	1.5	12
79	Investigation of RMP induced density pump-out on EAST. <i>Nuclear Fusion</i> , 2018, 58, 112013.	3.5	12
80	Runaway Electron Beam Instability in Slide-Away Discharges in the HT-7 Tokamak. <i>Chinese Physics Letters</i> , 2007, 24, 3195-3198.	3.3	11
81	Three dimensional nonlinear simulations of edge localized modes on the EAST tokamak using BOUT++ code. <i>Physics of Plasmas</i> , 2014, 21, 090705.	1.9	11
82	Investigation on the Possibility of Tritium Self-Sufficiency for CFETR Using a PWR Water-Cooled Blanket. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 1759-1763.	1.3	11
83	Radial and poloidal correlation reflectometry on Experimental Advanced Superconducting Tokamak. <i>Review of Scientific Instruments</i> , 2015, 86, 083503.	1.3	11
84	Reconstruction of the Density Profile for the EAST Tokamak Based on Polarimeter/Interferometer and Microwave Reflectometer Systems. <i>Plasma Science and Technology</i> , 2015, 17, 733-737.	1.5	11
85	Particle balance investigation with the combination of the hydrogen barrier model and rate equations of hydrogen state in long duration discharges on an all-metal plasma facing wall in QUEST. <i>Nuclear Fusion</i> , 2019, 59, 076007.	3.5	11
86	Observation of two threshold fields for runaway-electron generation in tokamaks. <i>Nuclear Fusion</i> , 2020, 60, 084002.	3.5	11
87	Observations of the snakelike oscillation phenomenon on HT-7 tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2003, 45, 349-367.	2.1	10
88	Study of recycling and density limit in the HT-7 superconducting tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 336, 61-65.	2.1	10
89	Operational region and sawteeth oscillation in the EAST tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, 995-1003.	2.1	10
90	Far-Infrared Laser Diagnostics in EAST. <i>Plasma Science and Technology</i> , 2011, 13, 347-351.	1.5	10

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91	Study of plasma current effect on divertor power footprint widths through experiments and modeling in EAST L-mode plasmas. <i>Physics of Plasmas</i> , 2017, 24, 042508.	1.9	10
92	Evaluating the effects of tungsten on CFETR phase I performance. <i>Nuclear Fusion</i> , 2018, 58, 126020.	3.5	10
93	Experimental observation of the localized coupling between geodesic acoustic mode and magnetic islands in tokamak plasmas. <i>Nuclear Fusion</i> , 2021, 61, 036034.	3.5	10
94	Ion heating by lower hybrid wave in the HT-7 tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 805-811.	2.1	9
95	Dust capture experiment in HT-7. <i>New Journal of Physics</i> , 2009, 11, 113041.	2.9	9
96	Observation of Blobs and Holes in the Boundary Plasma of EAST Tokamak. <i>Plasma Science and Technology</i> , 2011, 13, 410-414.	1.5	9
97	Observation of ion-cyclotron-frequency mode conversion plasma rotation on HT-7. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 035005.	2.1	9
98	Influence of helium puff on divertor asymmetry in Experimental Advanced Superconducting Tokamak. <i>Physics of Plasmas</i> , 2014, 21, 022509.	1.9	9
99	Density limits investigation and high density operation in EAST tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 055013.	2.1	9
100	Linear stability of toroidal Alfvén eigenmodes in the Chinese Fusion Engineering Test Reactor. <i>Fusion Engineering and Design</i> , 2017, 114, 118-126.	1.9	9
101	Development of a high-speed vacuum ultraviolet (VUV) imaging system for the Experimental Advanced Superconducting Tokamak. <i>Review of Scientific Instruments</i> , 2017, 88, 073505.	1.3	9
102	Simulation of density fluctuations before the L-H transition for Hydrogen and Deuterium plasmas in the DIII-D tokamak using the BOUT++ code. <i>Nuclear Fusion</i> , 2018, 58, 026026.	3.5	9
103	The effects of magnetic topology on the scrape-off layer turbulence transport in the first divertor plasma operation of Wendelstein 7-X using a new combined probe. <i>Nuclear Fusion</i> , 2019, 59, 066001.	3.5	9
104	Experimental study of double tearing mode on EAST tokamak. <i>Plasma Science and Technology</i> , 2020, 22, 025102.	1.5	9
105	Reduction of sawtooth amplitude by resonant magnetic perturbation. <i>Nuclear Fusion</i> , 2020, 60, 126002.	3.5	9
106	Understanding core heavy impurity transport in a hybrid discharge on EAST. <i>Nuclear Fusion</i> , 2022, 62, 066032.	3.5	9
107	A novel fast-scanning microwave heterodyne radiometer system for electron cyclotron emission measurements in the HT-7 superconducting tokamak. <i>Plasma Physics and Controlled Fusion</i> , 2000, 42, 743-753.	2.1	8
108	High performance discharges near the operational limit in HT-7. <i>Nuclear Fusion</i> , 2001, 41, 1625-1631.	3.5	8

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109	Multi-channel poloidal correlation reflectometry on experimental advanced superconducting tokamak. Review of Scientific Instruments, 2016, 87, 11E707.	1.3	8
110	Study on the temperature control mechanism of the tritium breeding blanket for CFETR. Nuclear Fusion, 2017, 57, 124003.	3.5	8
111	The role of geodesic acoustic mode on reducing the turbulent transport in the edge plasma of tokamak. Physics of Plasmas, 2018, 25, 012317.	1.9	8
112	Density profile evolution on EAST tokamak by the polarimeter/interferometer system. Fusion Engineering and Design, 2018, 131, 29-32.	1.9	8
113	Modeling study of the onset density for divertor detachment on EAST. Physics of Plasmas, 2019, 26, .	1.9	8
114	Experimental study on low recycling no-ELM high confinement mode in EAST. Nuclear Fusion, 2019, 59, 086044.	3.5	8
115	Optimization design for plasma configuration at the CFETR. Fusion Engineering and Design, 2020, 152, 111447.	1.9	8
116	Effects of radial transport on divertor power and particle flux widths under different operational regimes in EAST. Nuclear Fusion, 2021, 61, 106015.	3.5	8
117	Influence of trapped energetic ions on low-frequency magnetohydrodynamic instabilities with reversed shear profile. Physics of Plasmas, 2021, 28, 012104.	1.9	8
118	Real-time measurements for edge plasma parameters using triple probes on EAST. Physica Scripta, 2008, 78, 035501.	2.5	7
119	Runaway electron dynamics during impurity gas puffing on HT-7 tokamak. Physics of Plasmas, 2010, 17, .	1.9	7
120	Present Status of the Electron Cyclotron Emission Measurements on HT-7 and EAST. Plasma Science and Technology, 2011, 13, 352-356.	1.5	7
121	ELMy H-mode linear simulation with 3-field model on experimental advanced superconducting tokamak using BOUT++<sc>+. Physics of Plasmas, 2012, 19, .	1.9	7
122	The effects of relativistic broadening and frequency down-shift on electronâ€”cyclotron emission measurements in EAST. Chinese Physics B, 2012, 21, 045201.	1.4	7
123	Long Pulse H-Mode Scenarios Sustained by RF Heating on EAST. Plasma Science and Technology, 2015, 17, 448-453.	1.5	7
124	Progress of Concept Design for CFETR Diagnostic System. IEEE Transactions on Plasma Science, 2018, 46, 1361-1365.	1.3	7
125	Modeling of the beam excited fishbone mode in EAST. Nuclear Fusion, 2019, 59, 076040.	3.5	7
126	$E \times B$ flow shear mitigates ballooning-driven edge-localized modes at high collisionality: experiment and simulation. Nuclear Fusion, 2019, 59, 016016.	3.5	7

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127	Structure bifurcation induced by wide magnetic islands. Nuclear Fusion, 2020, 60, 056015.	3.5	7
128	Tungsten divertor plasma simulation with bundled charge state model by SOLPS-ITER on EAST. AIP Advances, 2021, 11, 025233.	1.3	7
129	Multiple Alfvén eigenmodes induced by energetic electrons and nonlinear mode couplings in EAST radio-frequency heated H-mode plasmas. Nuclear Fusion, 2021, 61, 046013.	3.5	7
130	Runaway electron generation and loss in EAST disruptions. Nuclear Fusion, 0, , .	3.5	7
131	An interpretive model for the double peaks of divertor tungsten erosion during type-I ELMs in EAST. Nuclear Fusion, 2021, 61, 086011.	3.5	7
132	Recent results of fusion triple product on EAST tokamak. Plasma Science and Technology, 2021, 23, 092001.	1.5	7
133	Power balance investigation in long-pulse high-performance discharges with ITER-like tungsten divertor on EAST. Nuclear Fusion, 2020, 60, 096019.	3.5	7
134	Fusion α loss due to toroidal field ripple perturbation in CFETR. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 065201.	0.4	7
135	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
136	Particle confinement and transport coefficients in ac plasmas on the HT-7 superconducting tokamak. Nuclear Fusion, 2008, 48, 035009.	3.5	6
137	ICRF (ion cyclotron range of frequencies) discharge cleaning with toroidal and vertical fields on EAST. Plasma Physics and Controlled Fusion, 2011, 53, 015013.	2.1	6
138	An Experimental Platform for the Study on Magnetic Reconnection in Laboratory Plasmas. Plasma Science and Technology, 2011, 13, 286-289.	1.5	6
139	Improvement of Plasma Performance Using Carbon Pellet Injection in Large Helical Device. Plasma Science and Technology, 2011, 13, 290-296.	1.5	6
140	Density fluctuations induced by MARFE on FTU. Journal of Nuclear Materials, 2013, 438, S917-S920.	2.7	6
141	Modeling of divertor power footprint widths on EAST by SOLPS5.0/B2.5-Eirene. Plasma Science and Technology, 2017, 19, 045101.	1.5	6
142	Effect of pedestal fluctuation on ELM frequency in the EAST tokamak. Nuclear Fusion, 2018, 58, 056014.	3.5	6
143	Dynamics of the pedestal in the recovery phase between type-III ELMs. Nuclear Fusion, 2018, 58, 034003.	3.5	6
144	Spectral diagnostic system for light impurity transport study in J-TEXT Tokamak. Fusion Engineering and Design, 2019, 147, 111241.	1.9	6

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145	TEM studies of 1 MeV Fe ⁺ ion-irradiated W alloys by wet chemical method: high-temperature annealing and deuterium retention. Nuclear Fusion, 2019, 59, 016008.	3.5	6
146	Study on the TBR Variation Induced by Breeding Material Ratio of Water-Cooled Blanket for CFETR. Fusion Science and Technology, 2020, 76, 70-77.	1.1	6
147	Modeling very high electron heating by radio frequency waves on EAST. Nuclear Fusion, 2021, 61, 096026.	3.5	6
148	Predictive multi-channel integrated modeling of a reversed magnetic shear H-mode discharge with internal transport barrier in EAST. Nuclear Fusion, 2021, 61, 126055.	3.5	6
149	Edge Ohmic Heating Experiment on HT-6M Tokamak. Chinese Physics Letters, 1994, 11, 161-164.	3.3	5
150	Raman calibration of the HT-7 yttrium aluminum garnet Thomson scattering for electron density measurements. Review of Scientific Instruments, 2007, 78, 113506.	1.3	5
151	ECR discharge cleaning and followed He GDC on HT-7 tokamak. Journal of Nuclear Materials, 2009, 390-391, 1051-1054.	2.7	5
152	Comparison of anomalous Doppler resonance effects with molybdenum and graphite limiters on HT-7. Physics of Plasmas, 2012, 19, 32509-325094.	1.9	5
153	Influence of Li and B coatings of metal walls on deuterium retention and plasma confinement in HT-7. Nuclear Fusion, 2012, 52, 103002.	3.5	5
154	EAST accomplishments/plans in support of fusion next-steps. , 2013, , .		5
155	Effects of heating power on divertor in-out asymmetry and scrape-off layer flow in reversed field on Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, 122514.	1.9	5
156	The Temperature Control Mechanism of a Breeding Blanket Module for Fusion Reactor. Journal of Fusion Energy, 2014, 33, 422-427.	1.2	5
157	Active control of divertor heat and particle fluxes in EAST towards advanced steady state operations. Journal of Nuclear Materials, 2015, 463, 99-103.	2.7	5
158	Experimental results of H-mode power threshold with lower hybrid wave heating on the EAST tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 075005.	2.1	5
159	Conceptual design of the cryogenic system and estimation of the recirculated power for CFETR. Nuclear Fusion, 2017, 57, 016037.	3.5	5
160	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
161	Multi-scale interaction of pedestal instabilities in H-mode plasma on the EAST tokamak. Nuclear Fusion, 2019, 59, 056020.	3.5	5
162	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5

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163	Nonlinear mode couplings between geodesic acoustic mode and toroidal Alfvén eigenmodes in the EAST tokamak. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	5
164	Quasi-steady-state high confinement at high density by lower hybrid waves in the HT-6M tokamak. <i>Nuclear Fusion</i> , 2000, 40, 467-471.	3.5	4
165	Evolution of $\hat{i}(r,t)$ in JT-60U reverse shear discharges. <i>Plasma Physics and Controlled Fusion</i> , 2001, 43, 1759-1764.	2.1	4
166	Stationary multifaceted asymmetric radiation from the edge and improved confinement mode in a superconducting tokamak. <i>Physical Review E</i> , 2001, 65, 017401.	2.1	4
167	Design of CW High-Power Discharge-Pumped DCN Laser. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2003, 24, 2079-2083.	0.6	4
168	Optimization and Maximum Output Power of CW DCN Laser. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2004, 25, 649-655.	0.6	4
169	The study of MARFE during long pulse discharges in the HT-7 tokamak. <i>Journal of Nuclear Materials</i> , 2007, 363-365, 770-774.	2.7	4
170	Reduced effective ionic charge and enhanced plasma performance in the HT-7 tokamak. <i>Journal of Nuclear Materials</i> , 2007, 363-365, 1380-1385.	2.7	4
171	ECR plasmas for wall conditioning of the HT-7 tokamak. <i>Physica Scripta</i> , 2009, 79, 015502.	2.5	4
172	Density modulation experiments within the full metallic wall and lithium limiter on the HT-7 tokamak. <i>Physica Scripta</i> , 2011, 84, 065506.	2.5	4
173	Cross-field motion of plasma blob-filaments and related particle flux in an open magnetic field line configuration on QUEST. <i>Journal of Nuclear Materials</i> , 2013, 438, S513-S517.	2.7	4
174	Study of Striated Heat Flux on EAST Divertor Plates Induced by LHW Using Infrared Camera. <i>Plasma Science and Technology</i> , 2014, 16, 93-98.	1.5	4
175	A comparison of SOLPS5.0 and 3D code EMC3-EIRENE for EAST double null configuration. <i>Fusion Engineering and Design</i> , 2016, 112, 557-562.	1.9	4
176	Preliminary study on heat load using calorimetric measurement during long-pulse high-performance discharges on EAST. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 045009.	2.1	4
177	Formation of snowflake diverted equilibria of CFETR. <i>Fusion Engineering and Design</i> , 2017, 121, 117-123.	1.9	4
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