

Xiang Gao

List of Publications by Year in descending order

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Version: 2024-02-01

289
papers

3,377
citations

201674

27
h-index

243625

44
g-index

291
all docs

291
docs citations

291
times ranked

1684
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge-localized-mode simulation in CFETR steady-state scenario. Nuclear Fusion, 2022, 62, 016008.	3.5	3
2	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
3	Understanding core heavy impurity transport in a hybrid discharge on EAST. Nuclear Fusion, 2022, 62, 066032.	3.5	9
4	Electromagnetic analyses of the CFETR TF coil terminal. Fusion Engineering and Design, 2022, 174, 112965.	1.9	1
5	Numerical Analysis of Electron Beam Welding Deformation for the Vacuum Vessel Lower Port Stub of 316L Stainless Steel. Metals, 2022, 12, 224.	2.3	1
6	Feasibility of applying the lower cut-off frequency for the density radial coverage extension in EAST reflectometry measurement. Plasma Science and Technology, 2022, 24, 055104.	1.5	2
7	Dynamics of electron internal transport barrier formation at the H α -L transition on EAST. Nuclear Fusion, 2022, 62, 064005.	3.5	3
8	Experimental investigation of electromagnetic GAMs under the influence of 3D magnetic topological structure in EAST. Plasma Physics and Controlled Fusion, 2022, 64, 054007.	2.1	1
9	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
10	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
11	Nonlinear mode couplings between geodesic acoustic mode and toroidal Alfvén eigenmodes in the EAST tokamak. Physics of Plasmas, 2022, 29, .	1.9	5
12	Prediction and Validation for Welding Deformation of the Upper Port Stub. IEEE Transactions on Plasma Science, 2022, 50, 4453-4458.	1.3	1
13	Experimental study of ELM-induced filament structures using the VUV imaging system on EAST. Plasma Science and Technology, 2021, 23, 035104.	1.5	3
14	Tungsten divertor plasma simulation with bundled charge state model by SOLPS-ITER on EAST. AIP Advances, 2021, 11, 025233.	1.3	7
15	Experimental observation of the localized coupling between geodesic acoustic mode and magnetic islands in tokamak plasmas. Nuclear Fusion, 2021, 61, 036034.	3.5	10
16	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
17	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
18	Analysis of dynamics and spatial structure on the filament during type I ELMy H-mode using VUVI system on EAST. AIP Advances, 2021, 11, 035201.	1.3	2

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19	Experiment and simulation of ELM in NBI heated plasma on EAST tokamak. Nuclear Fusion, 2021, 61, 056011.	3.5	3
20	Quench Analysis of the CFETR TF Coil Using the Gandalf Code. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
21	Prediction of high-performance scenario with localized magnetic shear reversal on EAST tokamak. Plasma Physics and Controlled Fusion, 2021, 63, 065013.	2.1	5
22	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
23	Recent results of fusion triple product on EAST tokamak. Plasma Science and Technology, 2021, 23, 092001.	1.5	7
24	Observation of enhanced pedestal turbulence during ELM mitigation with resonant magnetic perturbation on EAST. AIP Advances, 2021, 11, .	1.3	3
25	Influence of circulating energetic ions on MHD instabilities in negative magnetic shear plasma. Nuclear Fusion, 2021, 61, 116070.	3.5	4
26	Modeling very high electron heating by radio frequency waves on EAST. Nuclear Fusion, 2021, 61, 096026.	3.5	6
27	Modelling and application of a new method to measure the non-thermal electron current in the edge of magnetically confined plasma. Nuclear Fusion, 2021, 61, 126004.	3.5	1
28	Tungsten control in type-I ELMy H-mode plasmas on EAST. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	4
29	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
30	Observation of coherent mode induced by a molybdenum dust on EAST. Plasma Science and Technology, 2021, 23, 115103.	1.5	1
31	Characterization of density scanning experiments with NBI and LHW on EAST. AIP Advances, 2021, 11, .	1.3	1
32	Thermal-hydraulic analysis of the CFETR TF coils when subject to nuclear heat load. Fusion Engineering and Design, 2021, 173, 112850.	1.9	4
33	Influence of trapped energetic ions on low-frequency magnetohydrodynamic instabilities with reversed shear profile. Physics of Plasmas, 2021, 28, 012104.	1.9	8
34	Investigation on the Tritium Self-Sufficiency and Neutron Shielding Based on a Water-Cooled Blanket for CFETR at 1.5 GW. IEEE Transactions on Plasma Science, 2021, 49, 3237-3242.	1.3	2
35	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
36	Optimization of the cooling design of TF coil case on CFETR. Fusion Engineering and Design, 2021, 172, 112922.	1.9	0

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37	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
38	Experimental study of double tearing mode on EAST tokamak. Plasma Science and Technology, 2020, 22, 025102.	1.5	9
39	Optimization design for plasma configuration at the CFETR. Fusion Engineering and Design, 2020, 152, 111447.	1.9	8
40	Simulation of hot VDE disruption in EAST by using the TSC code. Fusion Engineering and Design, 2020, 150, 111358.	1.9	2
41	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
42	Simulation studies of divertor power exhaust with neon seeding for CFETR with GW-level fusion power. Physics of Plasmas, 2020, 27, .	1.9	19
43	Preliminary study and selection of CFETR in-vessel component tritium dust decontamination method in hot cell. Fusion Engineering and Design, 2020, 155, 111705.	1.9	3
44	Engineering Design and Analysis of the CFETR Divertor Remote Maintenance System. IEEE Transactions on Plasma Science, 2020, 48, 1637-1640.	1.3	2
45	Edge Toroidal Rotation Analysis by CXRS Diagnostic on EAST. Fusion Science and Technology, 2020, 76, 723-730.	1.1	1
46	Gyrokinetic Simulation of Turbulence in the High- \hat{I}^2N Discharge on the Experimental Advanced Superconducting Tokamak. Plasma Physics Reports, 2020, 46, 1137-1143.	0.9	1
47	Statistical characteristics of the SOL turbulence in the first divertor plasma operation of W7-X using a reciprocating probe. Physics of Plasmas, 2020, 27, 122504.	1.9	2
48	Plasma Profiles Modifications by Upgraded Power of IBW Heating System in HT-7 Tokamak. Instruments and Experimental Techniques, 2020, 63, 695-698.	0.5	0
49	Observation of two threshold fields for runaway-electron generation in tokamaks. Nuclear Fusion, 2020, 60, 084002.	3.5	11
50	Real-time gas cooling of flowing liquid lithium limiter for the EAST. Fusion Engineering and Design, 2020, 154, 111537.	1.9	3
51	Experimental response of the divertor particle flux to internal transport barrier dynamics in EAST high- \hat{I}^2N discharges. Nuclear Fusion, 2020, 60, 036008.	3.5	4
52	Progress in the conceptual design of the CFETR toroidal field coil with rectangular conductors. Nuclear Fusion, 2020, 60, 046032.	3.5	20
53	A Compact Multiband Quasi-Optical System for Plasma Detection. IEEE Transactions on Antennas and Propagation, 2020, 68, 4916-4924.	5.1	2
54	Structure bifurcation induced by wide magnetic islands. Nuclear Fusion, 2020, 60, 056015.	3.5	7

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55	Dependence of fishbone cycle on energetic particle intensity in EAST low-magnetic-shear plasmas. <i>Journal of Plasma Physics</i> , 2020, 86, .	2.1	2
56	Scaling of L-mode heat flux for ITER and COMPASS-U divertors, based on five tokamaks. <i>Nuclear Fusion</i> , 2020, 60, 066016.	3.5	26
57	Power balance investigation in long-pulse high-performance discharges with ITER-like tungsten divertor on EAST. <i>Nuclear Fusion</i> , 2020, 60, 096019.	3.5	7
58	Experimental progress of hybrid operational scenario on EAST tokamak. <i>Nuclear Fusion</i> , 2020, 60, 102001.	3.5	25
59	Reduction of sawtooth amplitude by resonant magnetic perturbation. <i>Nuclear Fusion</i> , 2020, 60, 126002.	3.5	9
60	Fusion α loss due to toroidal field ripple perturbation in CFETR. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2020, 50, 065201.	0.4	7
61	Designing the X-divertor configurations for the China Fusion Engineering Test Reactor. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 105007.	2.1	4
62	W-band multi-channel correlation reflectometry for core turbulence measurement on EAST. <i>Journal of Instrumentation</i> , 2020, 15, P12009-P12009.	1.2	3
63	Seismic analysis of the CFETR CS Model Coil. <i>Fusion Engineering and Design</i> , 2020, 159, 111968.	1.9	3
64	Upgrade of the Data Acquisition and Control System of Microwave Reflectometry on the Experimental Advanced Superconducting Tokamak. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1340-1345.	2.0	4
65	Optimization of Boron Nitride Sphere Loading in Epoxy: Enhanced Thermal Conductivity and Excellent Electrical Insulation. <i>Polymers</i> , 2019, 11, 1335.	4.5	26
66	Modeling of the beam excited fishbone mode in EAST. <i>Nuclear Fusion</i> , 2019, 59, 076040.	3.5	7
67	Modeling and advances in the high bootstrap fraction regime on EAST towards the steady-state operation. <i>Nuclear Fusion</i> , 2019, 59, 106009.	3.5	20
68	Spectral diagnostic system for light impurity transport study in J-TEXT Tokamak. <i>Fusion Engineering and Design</i> , 2019, 147, 111241.	1.9	6
69	A low-frequency axisymmetric oscillation in the high-confinement mode pedestal on the EAST tokamak. <i>Nuclear Fusion</i> , 2019, 59, 106037.	3.5	4
70	Multi-scale interaction of pedestal instabilities in H-mode plasma on the EAST tokamak. <i>Nuclear Fusion</i> , 2019, 59, 056020.	3.5	5
71	Modeling study of the onset density for divertor detachment on EAST. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	8
72	Development of the quasi-optical combiner systems for density profile reflectometers on the EAST tokamak. <i>Fusion Engineering and Design</i> , 2019, 148, 111286.	1.9	24

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73	Poloidally localized edge density fluctuation with applied and spontaneous 3-D fields in experimental advanced superconducting tokamak (EAST). <i>Physics of Plasmas</i> , 2019, 26, 092504.	1.9	2
74	Power threshold and confinement in discharges achieving high- \hat{I}^2 H-mode phases on EAST tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125879.	2.1	1
75	I-mode investigation on the Experimental Advanced Superconducting Tokamak. <i>Nuclear Fusion</i> , 2019, 59, 096025.	3.5	29
76	Destabilization of field-line localized density fluctuation with a 1/1 internal kink mode in the EAST tokamak. <i>Nuclear Fusion</i> , 2019, 59, 096032.	3.5	4
77	Experimental study on low recycling no-ELM high confinement mode in EAST. <i>Nuclear Fusion</i> , 2019, 59, 086044.	3.5	8
78	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
79	Investigation of high harmonic fast wave for current drive on CFETR. <i>Fusion Engineering and Design</i> , 2019, 145, 72-78.	1.9	4
80	Study of electromagnetic mode contributing inward particle pinch in the scrape-off layer during H-mode discharge. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 064002.	2.1	2
81	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
82	Numerical analyses for initial-designed CFETR baseline scenario with the integrated COREDIV code. <i>Fusion Engineering and Design</i> , 2019, 139, 55-61.	1.9	4
83	The numerical analysis of controllability of EAST plasma vertical position by TSC. <i>Fusion Engineering and Design</i> , 2019, 141, 116-120.	1.9	2
84	Characteristics of an axisymmetric magnetic oscillation closely related to L-H transition on experimental advanced superconducting tokamak (EAST). <i>Physics of Plasmas</i> , 2019, 26, 122502.	1.9	0
85	$E \times B$ flow shear mitigates ballooning-driven edge-localized modes at high collisionality: experiment and simulation. <i>Nuclear Fusion</i> , 2019, 59, 016016.	3.5	7
86	TEM studies of 1 MeV Fe^{2+} ion-irradiated W alloys by wet chemical method: high-temperature annealing and deuterium retention. <i>Nuclear Fusion</i> , 2019, 59, 016008.	3.5	6
87	Progress on CFETR physics and engineering. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2019, 49, 045202.	0.4	16
88	Effect of pedestal fluctuation on ELM frequency in the EAST tokamak. <i>Nuclear Fusion</i> , 2018, 58, 056014.	3.5	6
89	Progress of Concept Design for CFETR Diagnostic System. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 1361-1365.	1.3	7
90	Transport simulation of EAST long-pulse H-mode discharge with integrated modeling. <i>Nuclear Fusion</i> , 2018, 58, 046001.	3.5	19

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91	The role of geodesic acoustic mode on reducing the turbulent transport in the edge plasma of tokamak. <i>Physics of Plasmas</i> , 2018, 25, 012317.	1.9	8
92	Mechanical performance evaluation of the CFETR central solenoid model coil design. <i>Nuclear Fusion</i> , 2018, 58, 016035.	3.5	14
93	Design and implementation of 3-DOF gripper for maintenances tasks in EAST vacuum vessel. <i>Fusion Engineering and Design</i> , 2018, 127, 40-49.	1.9	2
94	Current Status and Progress on the Shielding Blanket of CFETR. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 1417-1421.	1.3	3
95	Simulation Study of Large Power Handling in the Divertor for CFETR Phase II. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 1377-1381.	1.3	5
96	Sustained high \hat{n} plasmas on EAST tokamak. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1242-1246.	2.1	30
97	Design of snowflake-diverted equilibria of CFETR. <i>Plasma Science and Technology</i> , 2018, 20, 035102.	1.5	3
98	Investigation of RMP induced density pump-out on EAST. <i>Nuclear Fusion</i> , 2018, 58, 112013.	3.5	12
99	Evaluating the effects of tungsten on CFETR phase I performance. <i>Nuclear Fusion</i> , 2018, 58, 126020.	3.5	10
100	Dynamics of the pedestal in the recovery phase between type-III ELMs. <i>Nuclear Fusion</i> , 2018, 58, 034003.	3.5	6
101	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
102	Density profile evolution on EAST tokamak by the polarimeter/interferometer system. <i>Fusion Engineering and Design</i> , 2018, 131, 29-32.	1.9	8
103	Development of an ordinary mode multi-channel correlation reflectometer on EAST tokamak. <i>Review of Scientific Instruments</i> , 2018, 89, 10H103.	1.3	14
104	Edge toroidal charge exchange spectra analysis in the EAST. <i>Review of Scientific Instruments</i> , 2018, 89, 10D103.	1.3	1
105	Two-dimensional vacuum ultraviolet images in different MHD events on the EAST tokamak. <i>Plasma Science and Technology</i> , 2018, 20, 025103.	1.5	1
106	Experimental study of heating scheme effect on the inner divertor power footprint widths in EAST lower single null discharges. <i>Plasma Physics and Controlled Fusion</i> , 2018, 60, 045001.	2.1	14
107	Integrated modeling of plasma ramp-up in DIII-D ITER-like and high bootstrap current scenario discharges. <i>Physics of Plasmas</i> , 2018, 25, 042506.	1.9	3
108	Experimental observation of reverse-sheared Alfvén eigenmodes (RSAEs) in ELMy H-mode plasma on the EAST tokamak. <i>Plasma Science and Technology</i> , 2018, 20, 115101.	1.5	14

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109	Investigation on the Effect of Tritium Breeding Ratio Using Temperature Control Mechanism for DEMO Blanket. IEEE Transactions on Plasma Science, 2018, 46, 2277-2280.	1.3	3
110	Linear stability of toroidal Alfvén eigenmodes in the Chinese Fusion Engineering Test Reactor. Fusion Engineering and Design, 2017, 114, 118-126.	1.9	9
111	Conceptual design of the cryogenic system and estimation of the recirculated power for CFETR. Nuclear Fusion, 2017, 57, 016037.	3.5	5
112	Runaway electron generation during disruptions in the J-TEXT tokamak. Nuclear Fusion, 2017, 57, 046001.	3.5	24
113	Modeling of divertor power footprint widths on EAST by SOLPS5.0/B2.5-Eirene. Plasma Science and Technology, 2017, 19, 045101.	1.5	6
114	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
115	Preliminary study on heat load using calorimetric measurement during long-pulse high-performance discharges on EAST. Plasma Physics and Controlled Fusion, 2017, 59, 045009.	2.1	4
116	Study of impurity effects on CFETR steady-state scenario by self-consistent integrated modeling. Nuclear Fusion, 2017, 57, 126046.	3.5	19
117	Formation of snowflake diverted equilibria of CFETR. Fusion Engineering and Design, 2017, 121, 117-123.	1.9	4
118	Study on the temperature control mechanism of the tritium breeding blanket for CFETR. Nuclear Fusion, 2017, 57, 124003.	3.5	8
119	Study of plasma current effect on divertor power footprint widths through experiments and modeling in EAST L-mode plasmas. Physics of Plasmas, 2017, 24, 042508.	1.9	10
120	Key issues for long-pulse high- β^2 operation with the Experimental Advanced Superconducting Tokamak (EAST). Nuclear Fusion, 2017, 57, 056021.	3.5	47
121	Overview of the present progress and activities on the CFETR. Nuclear Fusion, 2017, 57, 102009.	3.5	417
122	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
123	Achieving temporary divertor plasma detachment with MARFE events by pellet injection in the EAST superconducting tokamak. Plasma Science and Technology, 2017, 19, 015101.	1.5	3
124	Modeling study of radiation characteristics with different impurity species seeding in EAST. Physics of Plasmas, 2017, 24, .	1.9	23
125	Effects of kinetic profiles on neutron wall loading distribution in CFETR. Plasma Science and Technology, 2017, 19, 085102.	1.5	3
126	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

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127	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
128	Inter-ELM evolution of the pedestal structures in type-I ELMy H-mode plasmas with LHW and NBI heating on EAST. Plasma Physics and Controlled Fusion, 2017, 59, 045007.	2.1	4
129	Fast Data Processing of a Polarimeter-Interferometer System on J-TEXT. Plasma Science and Technology, 2016, 18, 1143-1147.	1.5	2
130	Conceptual design of the superconducting magnet for the 250ÂMeV proton cyclotron. SpringerPlus, 2016, 5, 673.	1.2	1
131	The Design and Manufacture of the Neutral Beam Injection Thermal Shield for the EAST Tokamak. Fusion Science and Technology, 2016, 70, 423-428.	1.1	0
132	Preliminary Study of the Magnetic Perturbation Effects on the Edge Density Profiles and Fluctuations Using Reflectometers on EAST. Plasma Science and Technology, 2016, 18, 879-883.	1.5	1
133	The physics mechanisms of the weakly coherent mode in the Alcator C-Mod Tokamak. Physics of Plasmas, 2016, 23, .	1.9	23
134	Characteristics of edge pedestals in LHW and NBI heated H-mode plasmas on EAST. Nuclear Fusion, 2016, 56, 106003.	3.5	35
135	Bench Test of the Vibration Compensation Interferometer for EAST Tokamak. Plasma Science and Technology, 2016, 18, 206-210.	1.5	2
136	A comparison of SOLPS5.0 and 3D code EMC3-EIRENE for EAST double null configuration. Fusion Engineering and Design, 2016, 112, 557-562.	1.9	4
137	Density limits investigation and high density operation in EAST tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 055013.	2.1	9
138	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
139	Evaluation of CFETR key parameters with different scenarios using system analysis code. Fusion Engineering and Design, 2016, 112, 47-52.	1.9	24
140	Power Balance Estimation in Long Duration Discharges on QUEST. Plasma Science and Technology, 2016, 18, 1069-1075.	1.5	19
141	Upgrade of the tangentially viewing vacuum ultraviolet (VUV) telescope system for 2D fluctuation measurement in the large helical device. Review of Scientific Instruments, 2016, 87, 11E307.	1.3	2
142	Thermalâ€hydraulic analysis of the coil test facility for CFETR. SpringerPlus, 2016, 5, 2052.	1.2	1
143	Design of geometric phase measurement in EAST Tokamak. Physics of Plasmas, 2016, 23, 072109.	1.9	1
144	Multi-channel poloidal correlation reflectometry on experimental advanced superconducting tokamak. Review of Scientific Instruments, 2016, 87, 11E707.	1.3	8

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145	APTWG: The 5th Asia-Pacific Transport Working Group Meeting. Nuclear Fusion, 2016, 56, 037001.	3.5	1
146	Radial and poloidal correlation reflectometry on Experimental Advanced Superconducting Tokamak. Review of Scientific Instruments, 2015, 86, 083503.	1.3	11
147	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
148	Reconstruction of the Density Profile for the EAST Tokamak Based on Polarimeter/Interferometer and Microwave Reflectometer Systems. Plasma Science and Technology, 2015, 17, 733-737.	1.5	11
149	Q-Band X-Mode Reflectometry and Density Profile Reconstruction. Plasma Science and Technology, 2015, 17, 985-990.	1.5	53
150	Electron cyclotron emission diagnostics on HT-7 tokamak. European Physical Journal D, 2015, 69, 1.	1.3	0
151	Long Pulse H-Mode Scenarios Sustained by RF Heating on EAST. Plasma Science and Technology, 2015, 17, 448-453.	1.5	7
152	Quench Simulation of the Hybrid Magnet Superconducting Outsert Being Built in China. Journal of Fusion Energy, 2015, 34, 1146-1150.	1.2	1
153	Experimental study of pedestal turbulence on EAST tokamak. Nuclear Fusion, 2015, 55, 083015.	3.5	35
154	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
155	Electromagnetic, mechanical and thermal performance analysis of the CFETR magnet system. Nuclear Fusion, 2015, 55, 093002.	3.5	35
156	Density Profile and Fluctuation Measurements by Microwave Reflectometry on EAST. Plasma Science and Technology, 2014, 16, 311-315.	1.5	68
157	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
158	Observation of pedestal turbulence in edge localized mode-free H-mode on experimental advanced superconducting tokamak. Physics of Plasmas, 2014, 21, 102504.	1.9	13
159	Data acquisition and control system for broad-band microwave reflectometry on EAST. , 2014, , .		0
160	Three dimensional nonlinear simulations of edge localized modes on the EAST tokamak using BOUT++ code. Physics of Plasmas, 2014, 21, 090705.	1.9	11
161	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
162	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

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163	Study of Striated Heat Flux on EAST Divertor Plates Induced by LHW Using Infrared Camera. Plasma Science and Technology, 2014, 16, 93-98.	1.5	4
164	432- λ 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
165	The Design and Analysis of the Cooling System of NBI Thermal Shielding for EAST A# Equatorial Port. Journal of Fusion Energy, 2014, 33, 382-385.	1.2	2
166	The Accomplishments and Next-Step Plan of EAST in Support of Fusion. IEEE Transactions on Plasma Science, 2014, 42, 415-420.	1.3	18
167	Investigation on the Possibility of Tritium Self-Sufficiency for CFETR Using a PWR Water-Cooled Blanket. IEEE Transactions on Plasma Science, 2014, 42, 1759-1763.	1.3	11
168	The Temperature Control Mechanism of a Breeding Blanket Module for Fusion Reactor. Journal of Fusion Energy, 2014, 33, 422-427.	1.2	5
169	Influence of helium puff on divertor asymmetry in Experimental Advanced Superconducting Tokamak. Physics of Plasmas, 2014, 21, 022509.	1.9	9
170	Development of the W-band density profile and fluctuation reflectometer on EAST. Fusion Engineering and Design, 2013, 88, 2950-2955.	1.9	65
171	EAST accomplishments/plans in support of fusion next-steps. , 2013, , .		5
172	Density fluctuations induced by MARFE on FTU. Journal of Nuclear Materials, 2013, 438, S917-S920.	2.7	6
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