Gen Chen

List of Publications by Year in descending order

25 papers	140 citations	1478505 6 h-index	1281871 11 g-index
25 all docs	25 docs citations	25 times ranked	119 citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of voltage and power of RF cavity with capacitor probe in SC200 cyclotron. Journal of Nuclear Science and Technology, 2021, 58, 184-189.	1.3	0
2	Calculation of the ideal isochronous field for the SC200 cyclotron using the Nelder-Mead simplex algorithm. Journal of Nuclear Science and Technology, 2020, 57, 217-223.	1.3	0
3	Overview of TAE technologies' HHFW project on LAPD. AIP Conference Proceedings, 2020, , .	0.4	2
4	Main experimental results and challenges in ICRF heating on EAST. AIP Conference Proceedings, 2020, , .	0.4	7
5	Investigation of TiN film on an RF ceramic window by atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, 052401.	2.1	3
6	Design and Research of Magnetic Field Mapping System for SC200. IEEE Transactions on Nuclear Science, 2020, 67, 369-373.	2.0	3
7	Design and testing of an internal hot-cathode-type PIG ion source for superconducting cyclotron. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	1
8	Design and commissioning of Brav measurement system for SC200 superconducting cyclotron. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	4
9	Quench Safety Simulation and Verification of Superconducting Coils for the SC200 Superconducting Cyclotron. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	3
10	X-ray calibration of Dee voltage of radiofrequency cavity based on a low-power test. Nuclear Technology and Radiation Protection, 2019, 34, 249-255.	0.8	1
11	Transverse oscillation of particles in the vicinity of resonances for a cyclotron. Physical Review Accelerators and Beams, 2019, 22, .	1.6	1
12	Design and implementation of power and phase feedback control system for ICRH on EAST. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	9
13	The construction of the inner ion source for SC200 compact superconducting cyclotron. AIP Conference Proceedings, 2018, , .	0.4	2
14	The trajectory simulation and optimization of ion source chimney for SC200 cyclotron. AIP Conference Proceedings, 2018, , .	0.4	1
15	Wave coupling simulation of ICRF antenna in EAST relying on the perfectly matched layer technique. Physics of Plasmas, 2018, 25, .	1.9	4
16	Design and Analysis of RF Window for a Superconducting Cyclotron. IEEE Transactions on Nuclear Science, 2018, 65, 2615-2619.	2.0	8
17	Magnetic field test of superconducting coils for the compact proton therapy cyclotron. Journal of Theoretical and Applied Physics, 2018, 12, 79-84.	1.4	1
18	High-Power Fast-Response Ferrite Tuner for ICRF Impedance Matching in EAST. Fusion Science and Technology, 2017, 71, 144-149.	1.1	5

#	Article	IF	Citations
19	Pre-Stub Tuner for Reduction of Radio-Frequency Voltage Along Transmission Line in EAST-ICRF System. Fusion Science and Technology, 2017, 71, 150-161.	1.1	5
20	Data and Information Management Control System for ICRF Heating on EAST. Journal of Fusion Energy, 2016, 35, 422-428.	1.2	0
21	Initial operation of high power ICRF system for long pulse in EAST. AIP Conference Proceedings, 2015, , .	0.4	4
22	The Upgrade of Fast Ferrite Tuning Matching System for ICRF in EAST. Journal of Fusion Energy, 2015, 34, 1067-1070.	1.2	2
23	EAST ion cyclotron resonance heating system for long pulse operation. Fusion Engineering and Design, 2014, 89, 2642-2646.	1.9	54
24	Design and Test of the Fast Ferrite Tuner for ICRF Heating in EAST. Fusion Science and Technology, 2012, 61, 301-308.	1.1	11
25	Development of the High Radio Frequency Power Amplifiers for ICRF Heating in EAST. Fusion Science and Technology, 2012, 61, 216-226.	1.1	9