

I G Chelis

List of Publications by Year in descending order

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24
papers

203
citations

1040056

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1058476

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docs citations

24
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-consistent modeling of the electronâ€cyclotron maser interaction in lossy structures based on a full-wave Green's function approach. <i>Physics of Plasmas</i> , 2022, 29, 033103.	1.9	0
2	Experimental Testing of the European TH1509U 170-GHz 1-MW CW Industrial Gyrotronâ€Long Pulse Operation. <i>IEEE Electron Device Letters</i> , 2022, 43, 623-626.	3.9	10
3	Status and future development of Heating and Current Drive for the EU DEMO. <i>Fusion Engineering and Design</i> , 2022, 180, 113159.	1.9	22
4	Towards a 1.5 MW, 140 GHz gyrotron for the upgraded ECRH system at W7-X. <i>Fusion Engineering and Design</i> , 2021, 164, 112173.	1.9	12
5	Generation of 1.5 MWâ€140 GHz Pulses With the Modular Pre-Prototype Gyrotron for W7-X. <i>IEEE Electron Device Letters</i> , 2021, 42, 939-942.	3.9	10
6	Operations with spherical calorimetric loads in different configurations at gyrotron test stands at EPFL and QST. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
7	Experimental Classification and Enhanced Suppression of Parasitic Oscillations in Gyrotron Beam Tunnels. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 5783-5789.	3.0	9
8	Recent Development of a 1.5 MW, 140 GHz Continuous-Wave Gyrotron for the Upgraded ECRH System at W7-X. , 2020, , .		1
9	Propagation Characteristics of Periodic Azimuthally Corrugated Waveguides Derived by the FDTD Code COCHLEA. , 2019, , .		0
10	Report of recent experiments with the European 1 MW, 170 GHz CW and SP prototype gyrotrons for ITER. <i>EPJ Web of Conferences</i> , 2019, 203, 04006.	0.3	5
11	Overview of recent gyrotron R&D towards DEMO within EUROfusion Work Package Heating and Current Drive. <i>Nuclear Fusion</i> , 2019, 59, 066014.	3.5	18
12	Calculation of Electron Beam Properties under the Presence of an Axially Varying Magnetostatic Field by Using the FDTD Code COCHLEA. , 2019, , .		0
13	Increasing the diffraction losses in gyrotron beam tunnels for improved suppression of parasitic oscillations. , 2019, , .		0
14	Modeling of parasitic oscillations in smooth-wall circular symmetric dielectric-loaded gyrotron beam ducts. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	3
15	Tests and developments of a long-pulse high-power 170 GHz absorbing matched load. <i>Fusion Engineering and Design</i> , 2019, 146, 36-39.	1.9	7
16	Improved Suppression of Parasitic Oscillations in Gyrotron Beam Tunnels by Proper Selection of the Lossy Ceramic Material. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 2301-2307.	3.0	16
17	EU DEMO EC system preliminary conceptual design. <i>Fusion Engineering and Design</i> , 2018, 136, 1173-1177.	1.9	18
18	CW Experiments With the EU 1-MW, 170-GHz Industrial Prototype Gyrotron for ITER at KIT. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 3885-3892.	3.0	23

#	ARTICLE	IF	CITATIONS
19	Study of parasitic oscillations in gyrotron beam tunnels. , 2016, , .		0
20	Simulations of the experimental operation of the EU 170 GHz, 1 MW short-pulse prototype gyrotron for ITER. , 2016, , .		3
21	Status of the development of the EU 170 GHz/1 MW/CW gyrotron. Fusion Engineering and Design, 2015, 96-97, 149-154.	1.9	33
22	From W7-X towards ITER and beyond: Status and progress in EU fusion gyrotron developments. , 2015, , .		2
23	Resonant Modes of Disk-Loaded Cylindrical Structures With Open Boundaries. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1781-1790.	4.6	9
24	Simulation of parasitic gyrotron interaction in beam tunnels. , 2013, , .		1