

P U Lamalle

List of Publications by Year in descending order

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62
all docs

62
docs citations

62
times ranked

727
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Neoclassical Tearing Modes by Sawtooth Control. Physical Review Letters, 2002, 88, 105001.	7.8	217
2	On the radiofrequency response of tokamak plasmas. Plasma Physics and Controlled Fusion, 1997, 39, 1409-1460.	2.1	48
3	Physics and engineering results obtained with the ion cyclotron range of frequencies ITER-like antenna on JET. Plasma Physics and Controlled Fusion, 2012, 54, 074012.	2.1	42
4	Physics and applications of three-ion ICRF scenarios for fusion research. Physics of Plasmas, 2021, 28, .	1.9	42
5	Control of sawteeth and triggering of NTMs with ion cyclotron resonance frequency waves in JET. Nuclear Fusion, 2002, 42, 1324-1334.	3.5	40
6	Status of the ITER Ion Cyclotron H&CD system. Fusion Engineering and Design, 2013, 88, 517-520.	1.9	33
7	Overview of transport, fast particle and heating and current drive physics using tritium in JET plasmas. Nuclear Fusion, 2005, 45, S181-S194.	3.5	31
8	Modelling of D majority ICRH at JET: impact of absorption at the Doppler-shifted resonance. Plasma Physics and Controlled Fusion, 2009, 51, 044006.	2.1	31
9	Ion cyclotron resonance heating of a tokamak plasma using an antenna without a Faraday shield. Nuclear Fusion, 1991, 31, 1770-1774.	3.5	25
10	Comparison of the performance of ICRF antennas with and without Faraday shield on TEXTOR. Nuclear Fusion, 1992, 32, 1913-1925.	3.5	25
11	Progress in RF theory: a sketch of recent evolution in selected areas. Plasma Physics and Controlled Fusion, 1998, 40, A191-A214.	2.1	23
12	Energetic particle physics in JET. Nuclear Fusion, 2000, 40, 1363-1381.	3.5	20
13	Realisation of a test facility for the ITER ICRH antenna plug-in by means of a mock-up with salted water load. Fusion Engineering and Design, 2005, 74, 367-375.	1.9	20
14	Study of the ITER ICRH system with external matching by means of a mock-up loaded by a variable water load. Nuclear Fusion, 2006, 46, S514-S539.	3.5	19
15	Assessment of plasma parameters for the low activation phase of ITER operation. Nuclear Fusion, 2013, 53, 123026.	3.5	19
16	Status of the ITER IC H&CD System. AIP Conference Proceedings, 2009, , .	0.4	16
17	A qualitative comparison of theoretical models of radiofrequency wave propagation and absorption in tokamak plasmas. Plasma Physics and Controlled Fusion, 1998, 40, 465-479.	2.1	14
18	ITER relevant developments in neutron diagnostics during the JET Trace Tritium campaign. Fusion Engineering and Design, 2005, 74, 835-839.	1.9	14

#	ARTICLE	IF	CITATIONS
19	Constant- κ -toroidal coordinates and their application to tokamak plasma high-frequency dielectric response theory: I. Anisotropic equilibria. Plasma Physics and Controlled Fusion, 2006, 48, 433-477.	2.1	14
20	Studies of JET ICRH Antenna Coupling During ELMs. AIP Conference Proceedings, 2003, , .	0.4	13
21	New Techniques For The Improvement Of The ICRH System ELM Tolerance On JET. AIP Conference Proceedings, 2003, , .	0.4	11
22	Eigenmode analysis of the ITER ICRF antenna plug and electrical solution to the grounding of the antenna. Nuclear Fusion, 2009, 49, 065025.	3.5	11
23	Status of the ITER ion cyclotron heating and current drive system. AIP Conference Proceedings, 2015, , .	0.4	11
24	Influence of ELMs on operation of ICRF antennas in ASDEX Upgrade. Journal of Nuclear Materials, 2005, 337-339, 776-780.	2.7	10
25	Radio-frequency matching studies for the JET ITER-Like ICRF system. AIP Conference Proceedings, 2003, , .	0.4	6
26	Radiofrequency and mechanical tests of silver coated CuCrZr contacts for the ITER ion cyclotron antenna. Fusion Engineering and Design, 2018, 129, 29-39.	1.9	6
27	ICRH Antenna Array Analysis and Resulting Problem of Generator Matching. IEEE Transactions on Plasma Science, 1987, 15, 60-69.	1.3	5
28	The JET wideband matching system. , 1997, , .		5
29	Tests of load resilient matching procedure for the ITER ICRH system on a mock-up and layout proposal. Fusion Engineering and Design, 2007, 82, 758-764.	1.9	5
30	Assessment of plasma power deposition on the ITER ICRH antennas. Nuclear Materials and Energy, 2021, 27, 101021.	1.3	5
31	Three-dimensional electromagnetic modelling of the JET ITER-Like ICRF antenna. AIP Conference Proceedings, 2003, , .	0.4	4
32	Investigation of "Conjugate Load-Resilient ICRF Antenna Systems" Application to the JET ITER-Like and to a Possible ITER ICRF System. AIP Conference Proceedings, 2005, , .	0.4	4
33	ITER ICRF system: R&D progress and technical choices. , 2009, , .		4
34	RF contact development for the ITER ICRH antenna. , 2014, , .		4
35	Ion Cyclotron Power Source System For ITER. Fusion Science and Technology, 2014, 65, 120-128.	1.1	4
36	ICRF system in the JET pumped divertor configuration. , 0, , .		3

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37	Commissioning of the wideband matching system for ICRH of ELMy JET plasmas. AIP Conference Proceedings, 2001, , .	0.4	3
38	The ITER-like ICRH Launcher Project For JET. AIP Conference Proceedings, 2003, , .	0.4	3
39	Experimental proof of a load resilient external matching solution for the ITER ICRH system. AIP Conference Proceedings, 2005, , .	0.4	3
40	D majority heating in JET plasmas: ICRH modelling and experimental RF deposition. AIP Conference Proceedings, 2007, , .	0.4	3
41	RF Measurements and Modeling from the JET-ITER Like Antenna Testing. AIP Conference Proceedings, 2007, , .	0.4	3
42	Recent results of ICRF heating on jet. AIP Conference Proceedings, 1996, , .	0.4	2
43	Mechanical design of the ICRH antenna for JET-EP. , 0, , .		2
44	Three-Dimensional Electromagnetic Modeling of the ITER ICRF Antenna (External Matching Design). AIP Conference Proceedings, 2005, , .	0.4	2
45	An alternative method for calculating the RF plasma dielectric response in ICRH simulations. AIP Conference Proceedings, 2005, , .	0.4	2
46	RF Circuit Simulation of the JET ITER-like ICRH Antenna. AIP Conference Proceedings, 2005, , .	0.4	2
47	ICRF Heating for the Non-Activated Phase of ITER: From Inverted Minority to Mode Conversion Regime. AIP Conference Proceedings, 2005, , .	0.4	2
48	Influence of mutual coupling between ICRH antenna straps on the load resilience of hybrid couplers. AIP Conference Proceedings, 2007, , .	0.4	2
49	Status of the ITER ICRF system designâ€”Externally Matchedâ€” approach. AIP Conference Proceedings, 2007, , .	0.4	2
50	Assessment of the RF field and current levels on the ITER blanket modules and of possible grounding solutions for the ICRF antenna. AIP Conference Proceedings, 2007, , .	0.4	2
51	Optimizing ion-cyclotron resonance frequency heating for ITER: dedicated JET experiments. Plasma Physics and Controlled Fusion, 2012, 54, 069601.	2.1	2
52	Study of the ITER ICRH system with external matching by means of a mock-up loaded by a variable water load. AIP Conference Proceedings, 2005, , .	0.4	1
53	Kinetic Theory of Plasma Waves - Part III: Inhomogeneous Plasma. Fusion Science and Technology, 2006, 49, 97-100.	1.1	1
54	Study of the Load Resilient External Matching Circuit for the ITER ICRHâ€”FWCD System by means of its Mock-up.. AIP Conference Proceedings, 2007, , .	0.4	1

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55	Report On The Commissioning Of The JET-EP ITER-Like ICRH Antenna. AIP Conference Proceedings, 2007, , .	0.4	1
56	Benchmark simulations of ICRF antenna coupling. AIP Conference Proceedings, 2007, , .	0.4	1
57	High heat flux testing of ITER ICH&CD antenna beryllium faraday screen bars mock-ups. Fusion Engineering and Design, 2016, 109-111, 371-376.	1.9	1
58	Dielectric kernels for maxwellian tokamak plasmas. AIP Conference Proceedings, 2020, , .	0.4	1
59	Interface challenges as part of the ITER plasma control system design. Fusion Engineering and Design, 2017, 123, 522-526.	1.9	1
60	Kinetic Theory of Plasma Waves - Part I: Introduction. Fusion Science and Technology, 2006, 49, 81-86.	1.1	0
61	Eigenmode analysis of the ITER ICRF antenna plug and electrical solution to the grounding of the antenna. , 2009, , .		0
62	Design status of ITER IC H&CD plant system control. , 2013, , .		0