Carlo Poggi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1668730/publications.pdf

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23	361	933447 10	794594 19
papers	citations	h-index	g-index

23	23	23	222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SPIDER in the roadmap of the ITER neutral beams. Fusion Engineering and Design, 2019, 146, 2539-2546.	1.9	46
2	First operations with caesium of the negative ion source SPIDER. Nuclear Fusion, 2022, 62, 086022.	3.5	46
3	Progress in the ITER neutral beam test facility. Nuclear Fusion, 2019, 59, 086058.	3.5	45
4	First operation in SPIDER and the path to complete MITICA. Review of Scientific Instruments, 2020, 91, 023510.	1.3	45
5	On the road to ITER NBIs: SPIDER improvement after first operation and MITICA construction progress. Fusion Engineering and Design, 2021, 168, 112622.	1.9	44
6	Development of a set of movable electrostatic probes to characterize the plasma in the ITER neutral beam negative-ion source prototype. Fusion Engineering and Design, 2021, 169, 112424.	1.9	22
7	Latest experimental and theoretical advances in the production of negative ions in caesium-free plasmas. European Physical Journal D, 2021, 75, 1.	1.3	15
8	Start of SPIDER operation towards ITER neutral beams. AIP Conference Proceedings, 2018, , .	0.4	13
9	Design and development of an Allison type emittance scanner for the SPIDER ion source. Review of Scientific Instruments, 2020, 91, 013328.	1.3	11
10	Beamlet scraping and its influence on the beam divergence at the BATMAN Upgrade test facility. Review of Scientific Instruments, 2020, 91, 013509.	1.3	11
11	First direct comparison of whole beam and single beamlet divergences in a negative ion source with simultaneous BES and CFC tile calorimetry measurements. AIP Advances, 2021, 11, .	1.3	10
12	Langmuir Probes as a Tool to Investigate Plasma Uniformity in a Large Negative Ion Source. IEEE Transactions on Plasma Science, 2022, 50, 3890-3896.	1.3	10
13	The NIO1 negative ion source: Investigation and operation experience. AIP Conference Proceedings, 2018, , .	0.4	8
14	First tests and commissioning of the emittance scanner for SPIDER. Fusion Engineering and Design, 2021, 168, 112659.	1.9	8
15	Beam and installation improvements of the NIO1 ion source. Review of Scientific Instruments, 2020, 91, 013316.	1.3	7
16	Negative ion density in the ion source SPIDER in Cs free conditions. Plasma Physics and Controlled Fusion, 2022, 64, 065004.	2.1	7
17	Analysis of diagnostic calorimeter data by the transfer function technique. Review of Scientific Instruments, 2016, 87, 02B932.	1.3	5
18	Experimental experience and improvement of NIO1 Hâˆ’ ion source. Fusion Engineering and Design, 2019, 146, 749-752.	1.9	4

#	Article	IF	Citations
19	Negative ion beam source as a complex system: identification of main processes and key interdependence. Rendiconti Lincei, 2019, 30, 277-285.	2.2	2
20	The H multiaperture source NIO1: gas conditioning and first cesiations. Journal of Physics: Conference Series, 2022, 2244, 012052.	0.4	2
21	Estimation of the Lyman-Î± signal of the EFILE diagnostic under static or radiofrequency electric field in vacuum. Plasma Science and Technology, 2018, 20, 074001.	1.5	0
22	Publisherâ€™s Note: â€œCRISP: A compact RF ion source prototype for emittance scanner testingâ€•[Rev. Sci. Instrum. 91, 033314 (2020)]. Review of Scientific Instruments, 2020, 91, 069902.	1.3	0
23	CRISP: A compact RF ion source prototype for emittance scanner testing. Review of Scientific Instruments, 2020, 91, 033314.	1.3	0