

Andrea Rizzolo

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

680
citations

933447

10
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	The ITER full size plasma source device design. Fusion Engineering and Design, 2009, 84, 269-274.	1.9	193
2	The PRIMA Test Facility: SPIDER and MITICA test-beds for ITER neutral beam injectors. New Journal of Physics, 2017, 19, 085004.	2.9	137
3	Detail design of the beam source for the SPIDER experiment. Fusion Engineering and Design, 2010, 85, 1792-1797.	1.9	71
4	First operations with caesium of the negative ion source SPIDER. Nuclear Fusion, 2022, 62, 086022.	3.5	46
5	First operation in SPIDER and the path to complete MITICA. Review of Scientific Instruments, 2020, 91, 023510.	1.3	45
6	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
7	A suite of diagnostics to validate and optimize the prototype ITER neutral beam injector. Journal of Instrumentation, 2017, 12, C10009-C10009.	1.2	29
8	Caesium oven design and R&D for the SPIDER beam source. Fusion Engineering and Design, 2013, 88, 1007-1010.	1.9	25
9	Characterization of the SPIDER Cs oven prototype in the CAesium Test Stand for the ITER HNB negative ion sources. Fusion Engineering and Design, 2019, 146, 676-679.	1.9	17
10	Design and comparison of the Cs ovens for the test facilities ELISE and SPIDER. Review of Scientific Instruments, 2019, 90, 113504.	1.3	14
11	R&D on ITER in-vessel magnetic sensors. Fusion Engineering and Design, 2013, 88, 1302-1305.	1.9	10
12	Laser absorption spectroscopy studies to characterize Cs oven performances for the negative ion source SPIDER. Journal of Instrumentation, 2019, 14, C12011-C12011.	1.2	9
13	Progress in the Design and Testing of In-Vessel Magnetic Pickup Coils for ITER. IEEE Transactions on Plasma Science, 2016, 44, 1704-1710.	1.3	8
14	SPIDER Cs Ovens functional tests. Fusion Engineering and Design, 2021, 167, 112331.	1.9	8
15	Design and preliminary operation of a laser absorption diagnostic for the SPIDER RF source. Fusion Engineering and Design, 2019, 146, 2707-2711.	1.9	7
16	Vacuum Tight Threaded Junctions (VTTJ): A new solution for reliable heterogeneous junctions in ITER. Fusion Engineering and Design, 2015, 96-97, 48-55.	1.9	6
17	Diagnostics of caesium emission from SPIDER caesium oven prototype. AIP Conference Proceedings, 2018, , .	0.4	4
18	Spider beam source ready for operation. Fusion Engineering and Design, 2019, 146, 736-740.	1.9	4

#	ARTICLE	IF	CITATIONS
19	Thermo-mechanical analyses of ITER in-vessel magnetic sensor assembly. , 2014, , .		3