

Dominikus Zielke

List of Publications by Year in descending order

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8
papers

56
citations

1937685
4
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

56
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostics of RF coupling in H ⁻ ion sources as a tool for optimizing source design and operational parameters. Review of Scientific Instruments, 2022, 93, 023501.	1.3	9
2	Modeling inductive radio frequency coupling in powerful negative hydrogen ion sources: validating a self-consistent fluid model. Plasma Sources Science and Technology, 2022, 31, 035019.	3.1	7
3	Ion source developments at IPP: On the road towards achieving the ITER-NBI targets and preparing concepts for DEMO. Journal of Physics: Conference Series, 2022, 2244, 012049.	0.4	2
4	Predictive fluid model for self-consistent description of inductive RF coupling in powerful negative hydrogen ion sources. Journal of Physics: Conference Series, 2022, 2244, 012030.	0.4	3
5	RF power transfer efficiency of H ⁻ ion sources: fluid modeling of accelerator source geometries. Journal of Physics: Conference Series, 2022, 2244, 012032.	0.4	1
6	Impact of Internal Faraday Shields on RF Driven Hydrogen Discharges. Plasma, 2022, 5, 280-294.	1.8	1
7	RF power transfer efficiency and plasma parameters of low pressure high power ICPs. Journal Physics D: Applied Physics, 2021, 54, 155202.	2.8	24
8	Self-consistent fluid model for simulating power coupling in hydrogen ICPs at 1 MHz including the nonlinear RF Lorentz force. Plasma Sources Science and Technology, 2021, 30, 065011.	3.1	9