

# Dominikus Zielke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9207322/publications.pdf>

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8  
papers

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citations

1937685

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h-index

1588992

8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

56  
citing authors

#	ARTICLE	IF	CITATIONS
1	RF power transfer efficiency and plasma parameters of low pressure high power ICPs. Journal Physics D: Applied Physics, 2021, 54, 155202.	2.8	24
2	Self-consistent fluid model for simulating power coupling in hydrogen ICPs at 1ÂMHz including the nonlinear RF Lorentz force. Plasma Sources Science and Technology, 2021, 30, 065011.	3.1	9
3	Diagnostics of RF coupling in Hâ~ ion sources as a tool for optimizing source design and operational parameters. Review of Scientific Instruments, 2022, 93, 023501.	1.3	9
4	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
5	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
6	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
7	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
8	Impact of Internal Faraday Shields on RF Driven Hydrogen Discharges. Plasma, 2022, 5, 280-294.	1.8	1