

Niels Gierse

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

72
citations

1478505
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1588992
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all docs

8
docs citations

8
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of laser ablation features of molybdenum bulk for picosecond laser-based techniques in fusion devices. <i>Fusion Engineering and Design</i> , 2020, 151, 111379.	1.9	15
2	Time resolved imaging of laser induced ablation spectroscopy (LIAS) in TEXTOR and comparison with modeling. <i>Physica Scripta</i> , 2016, T167, 014034.	2.5	13
3	Ablation mass features in multi-pulses femtosecond laser ablate molybdenum target. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 418, 54-59.	1.4	11
4	Study and optimization of boronization in Alcator C-Mod using the Surface Science Station (S3). <i>Fusion Engineering and Design</i> , 2012, 87, 1700-1707.	1.9	8
5	Modeling of plasma distortions by laser-induced ablation spectroscopy (LIAS) and implications for the interpretation of LIAS measurements. <i>Nuclear Fusion</i> , 2015, 55, 113017.	3.5	7
6	Quartz Crystal Microbalances for quantitative picosecond laser-material-interaction investigations – Part I: Technical considerations. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 126, 79-83.	2.9	7
7	Characterization of hydrocarbon and mixed layers in TEXTOR by laser induced ablation spectroscopy. <i>Physica Scripta</i> , 2011, T145, 014026.	2.5	6
8	Conceptual study of ferromagnetic pebbles for heat exhaust in fusion reactors with short power decay length. <i>Nuclear Materials and Energy</i> , 2015, 2, 12-19.	1.3	5