

Leena Aho-Mantila

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

317
citations

1163117

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h-index

1199594

12
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12
all docs

12
docs citations

12
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Tungsten divertor erosion in all metal devices: Lessons from the ITER like wall of JET. Journal of Nuclear Materials, 2013, 438, S42-S47.	2.7	116
2	Progress at JET in integrating ITER-relevant core and edge plasmas within the constraints of an ITER-like wall. Plasma Physics and Controlled Fusion, 2015, 57, 035004.	2.1	64
3	Assessment of SOLPS5.0 divertor solutions with drifts and currents against L-mode experiments in ASDEX Upgrade and JET. Plasma Physics and Controlled Fusion, 2017, 59, 035003.	2.1	27
4	Outer divertor of ASDEX Upgrade in low-density L-mode discharges in forward and reversed magnetic field: I. Comparison between measured plasma conditions and SOLPS5.0 code calculations. Nuclear Fusion, 2012, 52, 103006.	3.5	23
5	Preliminary analysis of alternative divertors for DEMO. Nuclear Materials and Energy, 2021, 26, 100908.	1.3	19
6	Modelling of mitigation of the power divertor loading for the EU DEMO through Ar injection. Plasma Physics and Controlled Fusion, 2018, 60, 035013.	2.1	18
7	L-mode radiative plasma edge studies for model validation in ASDEX Upgrade and JET. Journal of Nuclear Materials, 2013, 438, S321-S325.	2.7	17
8	Model-based radiation scalings for the ITER-like divertors of JET and ASDEX Upgrade. Journal of Nuclear Materials, 2015, 463, 546-550.	2.7	9
9	Preliminary analysis of the efficiency of non-standard divertor configurations in DEMO. Nuclear Materials and Energy, 2017, 12, 967-972.	1.3	7
10	The operational space for divertor power exhaust in DEMO with a super-X divertor. Nuclear Fusion, 2021, 61, 076007.	3.5	7
11	Scoping the characteristics and benefits of a connected double-null configuration for power exhaust in EU-DEMO. Nuclear Materials and Energy, 2021, 26, 100886.	1.3	6
12	Predictions of radiation pattern and inâ€œout asymmetries in the DEMO scrape-off layer using fluid neutrals. Nuclear Fusion, 2022, 62, 056015.	3.5	4