

Matt Thompson

List of Publications by Year in descending order

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15
papers

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1163117

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1199594

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16
all docs

16
docs citations

16
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing helium nano-bubble formation in tungsten with grazing incidence small angle x-ray scattering. Nuclear Fusion, 2015, 55, 042001.	3.5	35
2	GISAXS modelling of helium-induced nano-bubble formation in tungsten and comparison with TEM. Journal of Nuclear Materials, 2016, 473, 6-12.	2.7	23
3	Investigation of He-W interactions using DiMES on DIII-D. Physica Scripta, 2016, T167, 014054.	2.5	19
4	Observation of a helium ion energy threshold for retention in tungsten exposed to hydrogen/helium mixture plasma. Nuclear Fusion, 2016, 56, 104002.	3.5	19
5	Effect of W self-implantation and He plasma exposure on early-stage defect and bubble formation in tungsten. Nuclear Fusion, 2018, 58, 066010.	3.5	15
6	Mechanical properties of tungsten following rhenium ion and helium plasma exposure. Nuclear Materials and Energy, 2017, 12, 1336-1341.	1.3	13
7	Temperature dependence of retarded recrystallisation in helium plasma-exposed tungsten. Nuclear Fusion, 2019, 59, 096031.	3.5	10
8	Measuring helium bubble diameter distributions in tungsten with grazing incidence small angle x-ray scattering (GISAXS). Physica Scripta, 2016, T167, 014014.	2.5	8
9	Measuring temperature effects on nano-bubble growth in tungsten with grazing incidence small angle X-ray scattering. Nuclear Materials and Energy, 2017, 12, 1294-1297.	1.3	7
10	Nanoscale modification of silicon and germanium surfaces exposed to low-energy helium plasma. Scientific Reports, 2019, 9, 10099.	3.3	6
11	Effect of temperature and incident ion energy on nanostructure formation on silicon exposed to helium plasma. Plasma Processes and Polymers, 2020, 17, 2000126.	3.0	5
12	Helium plasma induced nanostructure formation in copper and nickel. Surface Topography: Metrology and Properties, 2019, 7, 015007.	1.6	1
13	Developing a GISAXS Model to Enable Study of Nano-bubble Formation. Springer Theses, 2018, , 23-51.	0.1	0
14	Validation of GISAXS Model with TEM Data. Springer Theses, 2018, , 53-65.	0.1	0
15	Effect of Sample Temperature and Transient Heat Loading on Nano-bubble Growth. Springer Theses, 2018, , 77-86.	0.1	0