Matt Thompson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3522751/publications.pdf

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15	161	1163117 8	1199594 12
papers	citations	h-index	g-index

16	16	16	200
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Nanoscale modification of silicon and germanium surfaces exposed to low-energy helium plasma. Scientific Reports, 2019, 9, 10099.	3.3	6
3	Temperature dependence of retarded recrystallisation in helium plasma-exposed tungsten. Nuclear Fusion, 2019, 59, 096031.	3.5	10
4	Helium plasma induced nanostructure formation in copper and nickel. Surface Topography: Metrology and Properties, 2019, 7, 015007.	1.6	1
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	Developing a GISAXS Model to Enable Study of Nano-bubble Formation. Springer Theses, 2018, , 23-51.	0.1	0
7	Validation of GISAXS Model with TEM Data. Springer Theses, 2018, , 53-65.	0.1	0
8	Effect of Sample Temperature and Transient Heat Loading on Nano-bubble Growth. Springer Theses, 2018, , 77-86.	0.1	0
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	Mechanical properties of tungsten following rhenium ion and helium plasma exposure. Nuclear Materials and Energy, 2017, 12, 1336-1341.	1.3	13
11	Investigation of Heâ€“W interactions using DiMES on DIII-D. Physica Scripta, 2016, T167, 014054.	2.5	19
12	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
13	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
14	Measuring helium bubble diameter distributions in tungsten with grazing incidence small angle x-ray scattering (GISAXS). Physica Scripta, 2016, T167, 014014.	2.5	8
15	Probing helium nano-bubble formation in tungsten with grazing incidence small angle x-ray scattering. Nuclear Fusion, 2015, 55, 042001.	3.5	35