

Kun Wang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

365
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

368
citing authors

#	ARTICLE	IF	CITATIONS
1	Viewpoint: Nanoscale chemistry and crystallography are both the obstacle and pathway to advanced radiation-tolerant materials. <i>Scripta Materialia</i> , 2018, 143, 169-175.	5.2	15
2	Nucleation and growth of tungsten nanotendrils grown under divertor-like conditions. <i>Journal of Nuclear Materials</i> , 2018, 509, 679-686.	2.7	16
3	Flux and fluence dependent helium plasma-materials interaction in hot-rolled and recrystallized tungsten. <i>Journal of Nuclear Materials</i> , 2018, 510, 80-92.	2.7	8
4	Effect of starting microstructure on helium plasma-materials interaction in tungsten. <i>Acta Materialia</i> , 2017, 124, 556-567.	7.9	58
5	Morphologies of tungsten nanotendrils grown under helium exposure. <i>Scientific Reports</i> , 2017, 7, 42315.	3.3	67
6	Grain orientations and grain boundaries in tungsten nanotendrils grown under divertor-like conditions. <i>Scripta Materialia</i> , 2017, 127, 132-135.	5.2	41
7	Combining Transmission Kikuchi Diffraction and Scanning Transmission Electron Microscopy for Irradiated Materials Studies. <i>Microscopy and Microanalysis</i> , 2017, 23, 2218-2219.	0.4	1
8	Nanocrystalline-grained tungsten prepared by surface mechanical attrition treatment: Microstructure and mechanical properties. <i>Journal of Nuclear Materials</i> , 2016, 480, 281-288.	2.7	12
9	Microstructure and fracture behavior of F82H steel under different irradiation and tensile test conditions. <i>Journal of Nuclear Materials</i> , 2016, 468, 246-254.	2.7	28
10	Irradiation-induced evolution of mechanical properties and microstructure of Eurofer 97. <i>Journal of Nuclear Materials</i> , 2014, 450, 48-53.	2.7	21
11	The study on the microwave sintering of tungsten at relatively low temperature. <i>Journal of Nuclear Materials</i> , 2012, 431, 206-211.	2.7	25
12	Microwave sintering of W/Cu functionally graded materials. <i>Journal of Nuclear Materials</i> , 2012, 431, 196-201.	2.7	42
13	High performance tungsten synthesized by microwave sintering method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 34, 13-17.	3.8	31