

Xiaoou Yi

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Mn addition on the formation of vacancy-type dislocation loops in $\hat{\text{I}}\pm\text{-Fe}$. <i>Materials Characterization</i> , 2022, 185, 111755.	4.4	2
2	Heavy-ion irradiation and post-irradiation annealing effects in explosion-welded CuCrZr/316LN joints for ITER application. <i>Materials Characterization</i> , 2021, 178, 111252.	4.4	3
3	Neutron irradiation response of explosion-welded CuCrZr/316LN joints for ITER application. <i>Fusion Engineering and Design</i> , 2021, 169, 112620.	1.9	1
4	An approximate in-situ method for investigating irradiation damage of grain boundary. <i>Nuclear Materials and Energy</i> , 2021, 29, 101056.	1.3	2
5	Defect characterization, mechanical and thermal property evaluation in CVD-W after low-dose neutron irradiation. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 85, 105004.	3.8	8
6	High-temperature defect recovery in self-ion irradiated W-5 wt% Ta. <i>Nuclear Materials and Energy</i> , 2019, 18, 93-98.	1.3	9
7	Deformation behavior of austenitic stainless steel at deep cryogenic temperatures. <i>Journal of Nuclear Materials</i> , 2018, 504, 29-32.	2.7	39
8	Impact of friction stir welding on recrystallization of oxide dispersion strengthened ferritic steel. <i>Journal of Materials Science and Technology</i> , 2018, 34, 209-213.	10.7	10
9	Interface Characteristics of Ti-Clad $\hat{\text{V}}\hat{\text{e}}^{\hat{\text{e}}}\text{4Cr}\hat{\text{e}}^{\hat{\text{e}}}\text{4Ti}$ Alloy Diffusion-Bonded Joint Produced by Hot Forging. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 577.	2.5	3
10	3D reconstruction of the spatial distribution of dislocation loops using an automated stereo-imaging approach. <i>Ultramicroscopy</i> , 2018, 195, 58-68.	1.9	10
11	High-temperature damage evolution in $10\hat{\text{a}}^{\hat{\text{e}}}\text{keV He}^+$ irradiated W and W-5Re. <i>Materials Characterization</i> , 2018, 145, 77-86.	4.4	11
12	Effect of trace amounts of added Sc on microstructure and mechanical properties of 2055 aluminum alloy. <i>Materials Characterization</i> , 2018, 141, 248-259.	4.4	30
13	Microstructure evolution of beryllium with argon ion irradiation. <i>Nuclear Materials and Energy</i> , 2017, 13, 99-103.	1.3	12
14	A study of helium bubble production in 10 keV He^+ irradiated tungsten. <i>Fusion Engineering and Design</i> , 2017, 125, 454-457.	1.9	20
15	Application of small specimen test technique to evaluate fracture toughness of reduced activation ferritic/martensitic steel. <i>Fusion Engineering and Design</i> , 2017, 125, 326-329.	1.9	9
16	In-situ TEM studies of $150\hat{\text{A}}\text{keV}\hat{\text{W}}^+$ ion irradiated W and W-alloys: Damage production and microstructural evolution. <i>Acta Materialia</i> , 2016, 112, 105-120.	7.9	141
17	In-situ electron microscope observations and analysis of radiation damage in tungsten. <i>Microscopy and Microanalysis</i> , 2015, 21, 117-118.	0.4	3
18	High temperature annealing of ion irradiated tungsten. <i>Acta Materialia</i> , 2015, 90, 380-393.	7.9	162

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19	Characterisation of radiation damage in W and W-based alloys from 2 MeV self-ion near-bulk implantations. <i>Acta Materialia</i> , 2015, 92, 163-177.	7.9	159
20	Characterization of irradiation defect structures and densities by transmission electron microscopy. <i>Journal of Materials Research</i> , 2015, 30, 1195-1201.	2.6	29
21	In-situ annealing of self-ion irradiation damage in tungsten. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1712, 33.	0.1	1
22	Tungsten foil laminate for structural divertor applications – Joining of tungsten foils. <i>Journal of Nuclear Materials</i> , 2013, 436, 47-55.	2.7	30
23	Tungsten foil laminate for structural divertor applications – Tensile test properties of tungsten foil. <i>Journal of Nuclear Materials</i> , 2013, 434, 357-366.	2.7	51
24	Tungsten foil laminate for structural divertor applications – Analyses and characterisation of tungsten foil. <i>Journal of Nuclear Materials</i> , 2012, 424, 197-203.	2.7	63