Eryang Lu

List of Publications by Year
in descending order

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22	364	840776 11	794594 19
papers	citations	h-index	g-index

22	22	22	289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal kinetics of micro-defects in He-ion implanted W and W5Re alloys. Tungsten, 2021, 3, 89-100.	4.8	3
2	Hydrogen Effects in Equiatomic CrFeNiMn Alloy Fabricated by Laser Powder Bed Fusion. Metals, 2021, 11, 872.	2.3	7
3	Enhancement of vacancy diffusion by C and N interstitials in the equiatomic FeMnNiCoCr high entropy alloy. Acta Materialia, 2021, 215, 117093.	7.9	20
4	The influence of rhenium addition on the distribution of vacancy-type defects in tungsten. Journal of Nuclear Materials, 2021, 553, 153045.	2.7	6
5	Effect of interstitial carbon on the evolution of early-stage irradiation damage in equi-atomic FeMnNiCoCr high-entropy alloys. Journal of Applied Physics, 2020, 127, .	2.5	24
6	Simulation for the correlation of positron annihilation rate with charge density near defects in iron. Nuclear Instruments & Methods in Physics Research B, 2019, 461, 88-92.	1.4	2
7	Study on vacancy-type defects in SIMP steel induced by separate and sequential H and He ion implantation. Journal of Nuclear Materials, 2019, 520, 131-139.	2.7	21
8	Helium irradiation-induced defects in deformed 316L stainless steel. Philosophical Magazine, 2018, 98, 95-106.	1.6	5
9	Effect of temperature and dose on vacancy-defect evolution in 304L stainless steel irradiated by triple ion beam. Journal of Nuclear Materials, 2018, 512, 94-99.	2.7	7
10	Thermal evolution of irradiation defects in ferritic/martensitic steel during isochronal annealing. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 35-39.	1.4	7
11	Polydopamine-enabled distribution of polysiloxane domains in polyamide thin-film nanocomposite membranes for organic solvent nanofiltration. Separation and Purification Technology, 2018, 205, 140-150.	7.9	12
12	Study of corrosion-related defects of zirconium alloys with slow positron beam. Journal of Nuclear Materials, 2018, 508, 12-19.	2.7	6
13	Detection of helium in irradiated Fe9Cr alloys by coincidence Doppler broadening of slow positron annihilation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	24
14	The influence of dislocation and hydrogen on thermal helium desorption behavior in Fe9Cr alloys. Journal of Nuclear Materials, 2017, 495, 244-248.	2.7	12
15	Effect of annealing on Cu precipitates in H ion irradiated Feâ€“0.6%Cu studied by positron annihilation. Journal of Nuclear Materials, 2016, 479, 390-393.	2.7	5
16	Correlation between Cu precipitates and irradiation defects in Feâ€“Cu model alloys investigated by positron annihilation spectroscopy. Acta Materialia, 2016, 103, 658-664.	7.9	78
17	Helium/hydrogen synergistic effect in reduced activation ferritic/martensitic steel investigated by slow positron beam. Philosophical Magazine, 2016, 96, 253-260.	1.6	27
18	Investigation of vacancy-type defects in helium irradiated FeCrNi alloy by slow positron beam. Journal of Nuclear Materials, 2015, 458, 240-244.	2.7	42

#	Article	IF	Citations
19	Effect of annealing on V m H n complexes in hydrogen ion irradiated Fe and Feâ€“0.3%Cu alloys. Journal of Nuclear Materials, 2015, 459, 301-305.	2.7	16
20	The evolution of micro defects in He + irradiated FeCrNi alloy during isochronal annealing. Nuclear Instruments & Methods in Physics Research B, 2015, 356-357, 94-98.	1.4	5
21	Effect of Xe26+ ion irradiation on the microstructural evolution and mechanical properties of Zrâ€“1Nb at room and high temperature. Journal of Nuclear Materials, 2015, 461, 78-84.	2.7	17
22	Synthesis and luminescence properties of Sm-doped LDPEâ€“Na2SO4 composite material. Optical Materials, 2013, 36, 471-475.	3.6	18