

Eryang Lu

List of Publications by Year in descending order

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22
papers

364
citations

840776

11
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22
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289
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between Cu precipitates and irradiation defects in Fe-Cu model alloys investigated by positron annihilation spectroscopy. <i>Acta Materialia</i> , 2016, 103, 658-664.	7.9	78
2	Investigation of vacancy-type defects in helium irradiated FeCrNi alloy by slow positron beam. <i>Journal of Nuclear Materials</i> , 2015, 458, 240-244.	2.7	42
3	Helium/hydrogen synergistic effect in reduced activation ferritic/martensitic steel investigated by slow positron beam. <i>Philosophical Magazine</i> , 2016, 96, 253-260.	1.6	27
4	Detection of helium in irradiated Fe9Cr alloys by coincidence Doppler broadening of slow positron annihilation. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	24
5	Effect of interstitial carbon on the evolution of early-stage irradiation damage in equi-atomic FeMnNiCoCr high-entropy alloys. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	24
6	Study on vacancy-type defects in SIMP steel induced by separate and sequential H and He ion implantation. <i>Journal of Nuclear Materials</i> , 2019, 520, 131-139.	2.7	21
7	Enhancement of vacancy diffusion by C and N interstitials in the equiatomic FeMnNiCoCr high entropy alloy. <i>Acta Materialia</i> , 2021, 215, 117093.	7.9	20
8	Synthesis and luminescence properties of Sm-doped LDPE/Na2SO4 composite material. <i>Optical Materials</i> , 2013, 36, 471-475.	3.6	18
9	Effect of Xe26+ ion irradiation on the microstructural evolution and mechanical properties of Zr-1Nb at room and high temperature. <i>Journal of Nuclear Materials</i> , 2015, 461, 78-84.	2.7	17
10	Effect of annealing on V m H n complexes in hydrogen ion irradiated Fe and Fe-0.3%Cu alloys. <i>Journal of Nuclear Materials</i> , 2015, 459, 301-305.	2.7	16
11	The influence of dislocation and hydrogen on thermal helium desorption behavior in Fe9Cr alloys. <i>Journal of Nuclear Materials</i> , 2017, 495, 244-248.	2.7	12
12	Polydopamine-enabled distribution of polysiloxane domains in polyamide thin-film nanocomposite membranes for organic solvent nanofiltration. <i>Separation and Purification Technology</i> , 2018, 205, 140-150.	7.9	12
13	Effect of temperature and dose on vacancy-defect evolution in 304L stainless steel irradiated by triple ion beam. <i>Journal of Nuclear Materials</i> , 2018, 512, 94-99.	2.7	7
14	Thermal evolution of irradiation defects in ferritic/martensitic steel during isochronal annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 436, 35-39.	1.4	7
15	Hydrogen Effects in Equiatomic CrFeNiMn Alloy Fabricated by Laser Powder Bed Fusion. <i>Metals</i> , 2021, 11, 872.	2.3	7
16	Study of corrosion-related defects of zirconium alloys with slow positron beam. <i>Journal of Nuclear Materials</i> , 2018, 508, 12-19.	2.7	6
17	The influence of rhenium addition on the distribution of vacancy-type defects in tungsten. <i>Journal of Nuclear Materials</i> , 2021, 553, 153045.	2.7	6
18	The evolution of micro defects in He + irradiated FeCrNi alloy during isochronal annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 356-357, 94-98.	1.4	5

#	ARTICLE	IF	CITATIONS
19	Effect of annealing on Cu precipitates in H ion irradiated Fe-0.6%Cu studied by positron annihilation. Journal of Nuclear Materials, 2016, 479, 390-393.	2.7	5
20	Helium irradiation-induced defects in deformed 316L stainless steel. Philosophical Magazine, 2018, 98, 95-106.	1.6	5
21	Thermal kinetics of micro-defects in He-ion implanted W and W5Re alloys. Tungsten, 2021, 3, 89-100.	4.8	3
22	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