

Peyman Saidi

List of Publications by Year in descending order

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9
papers

73
citations

1307594
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1720034
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9
all docs

9
docs citations

9
times ranked

82
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of pre-existing dislocations on the formation of dislocation loops: Pure magnesium under electron irradiation. <i>Journal of Nuclear Materials</i> , 2018, 511, 43-55.	2.7	19
2	Deep learning and crystal plasticity: A preconditioning approach for accurate orientation evolution prediction. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 389, 114392.	6.6	10
3	Graphene Oxide Membranes for Water Isotope Filtration: Insight at the Nano- and Microscale. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26864-26873.	3.1	9
4	Effect of He on the Order-Disorder Transition in Ni ₃ Al under Irradiation. <i>Physical Review Letters</i> , 2020, 124, 075901.	7.8	9
5	Bulk Immiscibility at the Edge of the Nanoscale. <i>ACS Nano</i> , 2017, 11, 10984-10991.	14.6	8
6	Asymmetrical response of edge pyramidal dislocations in HCP zirconium under tension and compression: A molecular dynamics study. <i>Computational Materials Science</i> , 2019, 170, 109183.	3.0	8
7	The dependence of damage accumulation on irradiation dose rate in zirconium alloys: Rate theory, atomistic simulation and experimental validation. <i>Journal of Nuclear Materials</i> , 2021, 543, 152478.	2.7	8
8	Crystal Structure of Hydride Platelets in Hot Rolled Zircaloy-2, Characterized with Synchrotron X-Ray Diffraction, S/TEM, and EELS. , 2021, , 732-761.		2
9	Interstitialcy-based reordering kinetics of Ni ₃ Al precipitates in irradiated Ni-based super alloys. <i>Materialia</i> , 2021, 19, 101180.	2.7	0