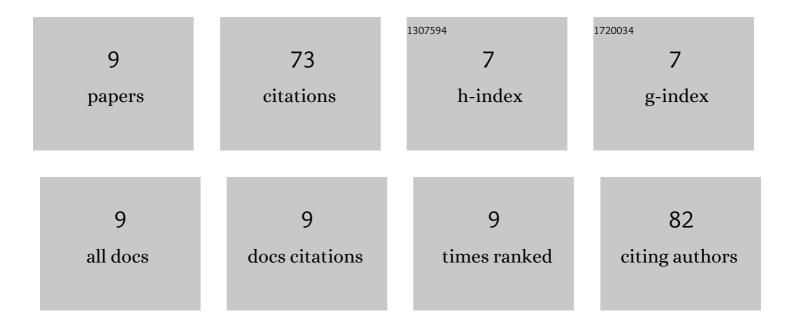
Peyman Saidi

List of Publications by Year in descending order

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DEVMAN SAIDI

#	Article	IF	CITATIONS
1	Effect of pre-existing dislocations on the formation of dislocation loops: Pure magnesium under electron irradiation. Journal of Nuclear Materials, 2018, 511, 43-55.	2.7	19
2	Deep learning and crystal plasticity: A preconditioning approach for accurate orientation evolution prediction. Computer Methods in Applied Mechanics and Engineering, 2022, 389, 114392.	6.6	10
3	Graphene Oxide Membranes for Water Isotope Filtration: Insight at the Nano- and Microscale. Journal of Physical Chemistry C, 2020, 124, 26864-26873.	3.1	9
4	Effect of He on the Order-Disorder Transition in Ni3Al under Irradiation. Physical Review Letters, 2020, 124, 075901.	7.8	9
5	Bulk Immiscibility at the Edge of the Nanoscale. ACS Nano, 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. Computational Materials Science, 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. Journal of Nuclear Materials, 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 Ni3Al precipitates in irradiated Ni-based super alloys. Materialia, 2021, 19, 101180.	2.7	0