

Miguel Panizo-Laiz

List of Publications by Year in descending order

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papers

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citations

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all docs

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docs citations

15
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of grain boundaries on the radiation-induced defects and hydrogen in nanostructured and coarse-grained tungsten. <i>Acta Materialia</i> , 2017, 122, 277-286.	7.9	69
2	Hydrogen diffusion and trapping in nanocrystalline tungsten. <i>Journal of Nuclear Materials</i> , 2015, 458, 233-239.	2.7	42
3	Hydrogen accumulation in nanostructured as compared to the coarse-grained tungsten. <i>Journal of Nuclear Materials</i> , 2014, 453, 287-295.	2.7	31
4	H trapping and mobility in nanostructured tungsten grain boundaries: a combined experimental and theoretical approach. <i>Nuclear Fusion</i> , 2015, 55, 113009.	3.5	31
5	Morphological and microstructural characterization of nanostructured pure δ -phase W coatings on a wide thickness range. <i>Applied Surface Science</i> , 2014, 316, 1-8.	6.1	29
6	Experimental and computational studies of the influence of grain boundaries and temperature on the radiation-induced damage and hydrogen behavior in tungsten. <i>Nuclear Fusion</i> , 2019, 59, 086055.	3.5	19
7	Effect of Al content on the hardness and thermal stability study of AlTiN and AlTiBN coatings deposited by HiPIMS. <i>Surface and Coatings Technology</i> , 2021, 422, 127513.	4.8	15
8	Meso-scale characterization of lithium distribution in lithium-ion batteries using ion beam analysis techniques. <i>Journal of Power Sources</i> , 2015, 299, 587-595.	7.8	13
9	Corrosion protective action of different coatings for the helium cooled pebble bed breeder concept. <i>Journal of Nuclear Materials</i> , 2019, 516, 160-168.	2.7	11
10	On the thermal stability of the nanostructured tungsten coatings. <i>Surface and Coatings Technology</i> , 2017, 325, 588-593.	4.8	10
11	Corrosion behavior of diverse sputtered coatings for the helium cooled pebbles bed (HCPB) breeder concept. <i>Nuclear Materials and Energy</i> , 2020, 25, 100795.	1.3	7
12	Direct observation of hydrogen permeation through grain boundaries in tungsten. <i>Emergent Materials</i> , 2022, 5, 1075-1087.	5.7	6
13	Selective Metal Ion Irradiation Using Bipolar HiPIMS: A New Route to Tailor Film Nanostructure and the Resulting Mechanical Properties. <i>Coatings</i> , 2022, 12, 191.	2.6	3
14	Color-Metallographic Characterization of Alloyed White Cast Irons Ni-Hard Type. <i>Metals</i> , 2020, 10, 728.	2.3	2
15	Picosecond Laser Shock Micro-Forming of Stainless Steel: Influence of High-Repetition Pulses on Thermal Effects. <i>Materials</i> , 2022, 15, 4226.	2.9	1