

Brenda L Garcia-Diaz

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,037
citations

516710

16
h-index

580821

25
g-index

32
all docs

32
docs citations

32
times ranked

1231
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of neutron irradiation on select MAX phases. <i>Acta Materialia</i> , 2015, 85, 132-143.	7.9	175
2	Cold spray deposition of Ti ₂ AlC coatings for improved nuclear fuel cladding. <i>Journal of Nuclear Materials</i> , 2015, 466, 712-717.	2.7	150
3	Aluminium hydride: a reversible material for hydrogen storage. <i>Chemical Communications</i> , 2009, , 3717.	4.1	105
4	Mathematical Model of a Direct Methanol Fuel Cell. <i>Journal of Fuel Cell Science and Technology</i> , 2004, 1, 43.	0.8	100
5	Low-Temperature Synthesis of a PtRu ⁺ Nb _[sub 0.1] Ti _[sub 0.9] O _[sub 2] Electrocatalyst for Methanol Oxidation. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, B108.	2.2	75
6	Effect of neutron irradiation on defect evolution in Ti ₃ SiC ₂ and Ti ₂ AlC. <i>Journal of Nuclear Materials</i> , 2016, 468, 194-206.	2.7	65
7	Experimental validation of a methanol crossover model in DMFC applications. <i>Journal of Power Sources</i> , 2008, 179, 723-733.	7.8	51
8	Silicon and silicon-copper composite nanorods for anodes of Li-ion rechargeable batteries. <i>Journal of Power Sources</i> , 2011, 196, 9640-9647.	7.8	50
9	Laser surface annealing and characterization of Ti ₂ AlC plasma vapor deposition coating on zirconium-alloy substrate. <i>Thin Solid Films</i> , 2016, 615, 202-209.	1.8	44
10	Effect of Titanium Dioxide Supports on the Activity of Pt-Ru toward Electrochemical Oxidation of Methanol. <i>Journal of the Electrochemical Society</i> , 2011, 158, B461.	2.9	38
11	Impact of Corrosion Test Container Material in Molten Fluorides. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2015, 137, .	1.8	34
12	Dimensionless Analysis for Predicting Fe-Ni-Cr Alloy Corrosion in Molten Salt Systems for Concentrated Solar Power Systems. <i>Corrosion</i> , 2016, 72, 742-760.	1.1	29
13	Bimetallic Cluster Provides a Higher Activity Electrocatalyst for Methanol Oxidation. <i>Journal of Cluster Science</i> , 2007, 18, 121-130.	3.3	25
14	Multidimensional Modeling of Nickel Alloy Corrosion inside High Temperature Molten Salt Systems. <i>Journal of the Electrochemical Society</i> , 2016, 163, C830-C838.	2.9	21
15	Advances in the electrochemical regeneration of aluminum hydride. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 545-550.	2.3	18
16	Modeling the Effect of Cathodic Protection on Superalloys Inside High Temperature Molten Salt Systems. <i>Journal of the Electrochemical Society</i> , 2017, 164, C171-C179.	2.9	18
17	A Nb-Doped TiO ₂ Electrocatalyst for Use in Direct Methanol Fuel Cells. <i>ECS Transactions</i> , 2008, 12, 239-248.	0.5	15
18	Quantifying Individual Losses in a Direct Methanol Fuel Cell. <i>Journal of Fuel Cell Science and Technology</i> , 2012, 9, .	0.8	7

#	ARTICLE	IF	CITATIONS
19	Al ₂ O ₃ -Based Nanoparticle-Enhanced Ionic Liquids (NEILs) for Advanced Heat Transfer Fluids. ACS Symposium Series, 2012, , 259-270.	0.5	5
20	Electrochemical extraction of hydrogen isotopes from Li/LiT mixtures. Fusion Engineering and Design, 2019, 139, 1-6.	1.9	3
21	Polarization and Electrocatalyst Selection for Polybenzimidazole Direct Methanol Fuel Cells. Journal of Fuel Cell Science and Technology, 2014, 11, .	0.8	2
22	The Effect of Nickel Alloy Corrosion under Cathodic Protection inside High Temperature Molten Salt Systems. ECS Transactions, 2016, 72, 151-162.	0.5	2
23	Modern Aspects of Electrochemistry No. 40. Modern Aspects of Electrochemistry, 2007, , .	0.2	1
24	Tuning Silicon Nanorods for Anodes of Li-Ion Rechargeable Batteries. ECS Transactions, 2010, 33, 35-43.	0.5	1
25	Chloride-Induced Stress Corrosion Crack Growth Under Dry Salt Conditions: Application to Evaluate Growth Rates in Multipurpose Canisters. , 2016, , .		1
26	Novel Electrolyte Chemistries for Mg-Ni Rechargeable Batteries. ECS Transactions, 2010, 33, 213-220.	0.5	0
27	Non-Aqueous Electrochemical Fluorination of Used Nuclear Fuel as an Advanced Separation Process. Journal of the Electrochemical Society, 2019, 166, E231-E239.	2.9	0
28	Aluminum Hydride. , 2011, , 263-273.		0