

Brenda L Garcia-Diaz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3210741/publications.pdf>

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 | Electrochemical extraction of hydrogen isotopes from Li/LiT mixtures. Fusion Engineering and Design, 2019, 139, 1-6. | 1.9 | 3 |
| 2 | 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 |
| 3 | Modeling the Effect of Cathodic Protection on Superalloys Inside High Temperature Molten Salt Systems. Journal of the Electrochemical Society, 2017, 164, C171-C179. | 2.9 | 18 |
| 4 | The Effect of Nickel Alloy Corrosion under Cathodic Protection inside High Temperature Molten Salt Systems. ECS Transactions, 2016, 72, 151-162. | 0.5 | 2 |
| 5 | Chloride-Induced Stress Corrosion Crack Growth Under Dry Salt Conditions: Application to Evaluate Growth Rates in Multipurpose Canisters. , 2016, , . | | 1 |
| 6 | Laser surface annealing and characterization of Ti ₂ AlC plasma vapor deposition coating on zirconium-alloy substrate. Thin Solid Films, 2016, 615, 202-209. | 1.8 | 44 |
| 7 | Multidimensional Modeling of Nickel Alloy Corrosion inside High Temperature Molten Salt Systems. Journal of the Electrochemical Society, 2016, 163, C830-C838. | 2.9 | 21 |
| 8 | Dimensionless Analysis for Predicting Fe-Ni-Cr Alloy Corrosion in Molten Salt Systems for Concentrated Solar Power Systems. Corrosion, 2016, 72, 742-760. | 1.1 | 29 |
| 9 | Effect of neutron irradiation on defect evolution in Ti ₃ SiC ₂ and Ti ₂ AlC. Journal of Nuclear Materials, 2016, 468, 194-206. | 2.7 | 65 |
| 10 | Impact of Corrosion Test Container Material in Molten Fluorides. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, . | 1.8 | 34 |
| 11 | Cold spray deposition of Ti ₂ AlC coatings for improved nuclear fuel cladding. Journal of Nuclear Materials, 2015, 466, 712-717. | 2.7 | 150 |
| 12 | Effect of neutron irradiation on select MAX phases. Acta Materialia, 2015, 85, 132-143. | 7.9 | 175 |
| 13 | Polarization and Electrocatalyst Selection for Polybenzimidazole Direct Methanol Fuel Cells. Journal of Fuel Cell Science and Technology, 2014, 11, . | 0.8 | 2 |
| 14 | Quantifying Individual Losses in a Direct Methanol Fuel Cell. Journal of Fuel Cell Science and Technology, 2012, 9, . | 0.8 | 7 |
| 15 | Al ₂ O ₃ -Based Nanoparticle-Enhanced Ionic Liquids (NEILs) for Advanced Heat Transfer Fluids. ACS Symposium Series, 2012, , 259-270. | 0.5 | 5 |
| 16 | Advances in the electrochemical regeneration of aluminum hydride. Applied Physics A: Materials Science and Processing, 2012, 106, 545-550. | 2.3 | 18 |
| 17 | Silicon and silicon-copper composite nanorods for anodes of Li-ion rechargeable batteries. Journal of Power Sources, 2011, 196, 9640-9647. | 7.8 | 50 |
| 18 | Effect of Titanium Dioxide Supports on the Activity of Pt-Ru toward Electrochemical Oxidation of Methanol. Journal of the Electrochemical Society, 2011, 158, B461. | 2.9 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Aluminum Hydride. , 2011, , 263-273. | | 0 |
| 20 | Novel Electrolyte Chemistries for Mg-Ni Rechargeable Batteries. ECS Transactions, 2010, 33, 213-220. | 0.5 | 0 |
| 21 | Tuning Silicon Nanorods for Anodes of Li-Ion Rechargeable Batteries. ECS Transactions, 2010, 33, 35-43. | 0.5 | 1 |
| 22 | Aluminium hydride: a reversible material for hydrogen storage. Chemical Communications, 2009, , 3717. | 4.1 | 105 |
| 23 | Experimental validation of a methanol crossover model in DMFC applications. Journal of Power Sources, 2008, 179, 723-733. | 7.8 | 51 |
| 24 | A Nb-Doped TiO ₂ Electrocatalyst for Use in Direct Methanol Fuel Cells. ECS Transactions, 2008, 12, 239-248. | 0.5 | 15 |
| 25 | Low-Temperature Synthesis of a PtRu ⁰ -Nb _{0.1} Ti _{0.9} O ₂ Electrocatalyst for Methanol Oxidation. Electrochemical and Solid-State Letters, 2007, 10, B108. | 2.2 | 75 |
| 26 | Modern Aspects of Electrochemistry No. 40. Modern Aspects of Electrochemistry, 2007, , . | 0.2 | 1 |
| 27 | Bimetallic Cluster Provides a Higher Activity Electrocatalyst for Methanol Oxidation. Journal of Cluster Science, 2007, 18, 121-130. | 3.3 | 25 |
| 28 | Mathematical Model of a Direct Methanol Fuel Cell. Journal of Fuel Cell Science and Technology, 2004, 1, 43. | 0.8 | 100 |