

Stoyan T Bliznakov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Degradation Mechanisms in Advanced MEAs for PEM Water Electrolyzers Fabricated by Reactive Spray Deposition Technology. <i>Journal of the Electrochemical Society</i> , 2022, 169, 054536.	2.9	13
2	High-performance and cost-effective membrane electrode assemblies for advanced proton exchange membrane water electrolyzers: Long-term durability assessment. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 1526-1539.	7.1	18
3	Current Status on the Manufacturing of Nanomaterials for Proton Exchange Membrane Energy Systems by Vapor-Based Processes. <i>Energy & Fuels</i> , 2021, 35, 1933-1956.	5.1	10
4	Enhancing proton exchange membrane fuel cell performance via graphene oxide surface synergy. <i>Applied Energy</i> , 2020, 261, 114277.	10.1	13
5	Electrospinning deposition of poly(acrylic acid): platinum/carbon catalyst ink to enhance polymer electrolyte membrane fuel cell performance. <i>MRS Communications</i> , 2019, 9, 1343-1348.	1.8	8
6	Designing Nanoplatelet Alloy/Nafion Catalytic Interface for Optimization of PEMFCs: Performance, Durability, and CO Resistance. <i>ACS Catalysis</i> , 2019, 9, 1446-1456.	11.2	29
7	Interaction of Black Phosphorus with Oxygen and Water. <i>Chemistry of Materials</i> , 2016, 28, 8330-8339.	6.7	436
8	Evaluation of Phase Segregation in Ternary Pt-Rh-SnO ₂ Catalysts Prepared from the Vapor Phase. <i>Microscopy and Microanalysis</i> , 2014, 20, 462-463.	0.4	18
9	Pt Monolayer on Electrodeposited Pd Nanostructures-Advanced Cathode Catalysts for PEM Fuel Cells. <i>ECS Transactions</i> , 2011, 41, 1055-1066.	0.5	7
10	Composition-Dependent Electrocatalytic Activity of Pt-Cu Nanocube Catalysts for Formic Acid Oxidation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1282-1285.	13.8	169
11	Microstructure and electrochemical hydriding/dehydriding properties of ball-milled TiFe-based alloys. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6332-6337.	7.1	37
12	Improving Copper Electrodeposition in the Microelectronics Industry. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2010, 33, 127-137.	1.3	34
13	Understanding, Controlling and Minimizing the Voiding, Sporadically Occurring in Solder Joints with Electroplated Copper. <i>ECS Transactions</i> , 2009, 19, 43-56.	0.5	3
14	Controlling Cu electroplating to prevent sporadic voiding in Cu₃Sn. , 2009, . .		10
15	Electrochemical PCT isotherm study of hydrogen absorption/desorption in AB ₅ type intermetallic compounds. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5789-5794.	7.1	22
16	Influence of tin on the electrochemical and gas phase hydrogen sorption in Mg ₂ xSn _x Ni (x=0, 0.1, 0.3). <i>Journal of Alloys and Compounds</i> , 2008, 450, 288-292.	5.5	6
17	Electrochemical Method for Quantitative Determination of Trace Amounts of Lead. <i>Analytical Chemistry</i> , 2008, 80, 2042-2049.	6.5	18
18	METAL HYDRIDE ALLOYS FOR ELECTROCHEMICAL ENERGY SOURCE APPLICATIONS. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1042, 1.	0.1	0