

Stoyan T Bliznakov

List of Publications by Year in descending order

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19
docs citations

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1937
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Black Phosphorus with Oxygen and Water. Chemistry of Materials, 2016, 28, 8330-8339.	6.7	436
2	Composition-Dependent Electrocatalytic Activity of Pt-Cu Nanocube Catalysts for Formic Acid Oxidation. Angewandte Chemie - International Edition, 2010, 49, 1282-1285.	13.8	169
3	Microstructure and electrochemical hydriding/dehydriding properties of ball-milled TiFe-based alloys. International Journal of Hydrogen Energy, 2010, 35, 6332-6337.	7.1	37
4	Improving Copper Electrodeposition in the Microelectronics Industry. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 127-137.	1.3	34
5	Designing Nanoplatelet Alloy/Nafion Catalytic Interface for Optimization of PEMFCs: Performance, Durability, and CO Resistance. ACS Catalysis, 2019, 9, 1446-1456.	11.2	29
6	Electrochemical PCT isotherm study of hydrogen absorption/desorption in AB5 type intermetallic compounds. International Journal of Hydrogen Energy, 2008, 33, 5789-5794.	7.1	22
7	Electrochemical Method for Quantitative Determination of Trace Amounts of Lead. Analytical Chemistry, 2008, 80, 2042-2049.	6.5	18
8	Evaluation of Phase Segregation in Ternary Pt-Rh-SnO ₂ Catalysts Prepared from the Vapor Phase. Microscopy and Microanalysis, 2014, 20, 462-463.	0.4	18
9	High-performance and cost-effective membrane electrode assemblies for advanced proton exchange membrane water electrolyzers: Long-term durability assessment. International Journal of Hydrogen Energy, 2021, 46, 1526-1539.	7.1	18
10	Enhancing proton exchange membrane fuel cell performance via graphene oxide surface synergy. Applied Energy, 2020, 261, 114277.	10.1	13
11	Degradation Mechanisms in Advanced MEAs for PEM Water Electrolyzers Fabricated by Reactive Spray Deposition Technology. Journal of the Electrochemical Society, 2022, 169, 054536.	2.9	13
12	Controlling Cu electroplating to prevent sporadic voiding in Cu₃Sn. , 2009, , .		10
13	Current Status on the Manufacturing of Nanomaterials for Proton Exchange Membrane Energy Systems by Vapor-Based Processes. Energy & Fuels, 2021, 35, 1933-1956.	5.1	10
14	Electrospinning deposition of poly(acrylic acid): platinum/carbon catalyst ink to enhance polymer electrolyte membrane fuel cell performance. MRS Communications, 2019, 9, 1343-1348.	1.8	8
15	Pt Monolayer on Electrodeposited Pd Nanostructures-Advanced Cathode Catalysts for PEM Fuel Cells. ECS Transactions, 2011, 41, 1055-1066.	0.5	7
16	Influence of tin on the electrochemical and gas phase hydrogen sorption in Mg ₂ xSnxNi (x=0, 0.1, 0.3). Journal of Alloys and Compounds, 2008, 450, 288-292.	5.5	6
17	Understanding, Controlling and Minimizing the Voiding, Sporadically Occurring in Solder Joints with Electroplated Copper. ECS Transactions, 2009, 19, 43-56.	0.5	3
18	METAL HYDRIDE ALLOYS FOR ELECTROCHEMICAL ENERGY SOURCE APPLICATIONS. Materials Research Society Symposia Proceedings, 2007, 1042, 1.	0.1	0