

Erno Kemppainen

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

540
citations

1039406

9
h-index

1199166

12
g-index

13
all docs

13
docs citations

13
times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Various Photovoltaic-Driven Water Electrolysis Technologies for Green Solar Hydrogen Generation. <i>Solar Rrl</i> , 2022, 6, 2100479.	3.1	21
2	Effect of Heat Exchanger on the Operation of a Directly Coupled Photovoltaic-Electrolyser. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 1558-1558.	0.0	0
3	Understanding the Hydrogen Evolution Reaction Kinetics of Electrodeposited Nickel-Molybdenum in Acidic, Near-Neutral, and Alkaline Conditions. <i>ChemElectroChem</i> , 2021, 8, 195-208.	1.7	100
4	Host, Suppressor, and Promoter—The Roles of Ni and Fe on Oxygen Evolution Reaction Activity and Stability of NiFe Alloy Thin Films in Alkaline Media. <i>ACS Catalysis</i> , 2021, 11, 10537-10552.	5.5	98
5	Effect of the ambient conditions on the operation of a large-area integrated photovoltaic-electrolyser. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4831-4847.	2.5	14
6	Prospects for Hermetic Sealing of Scaled-Up Photoelectrochemical Hydrogen Generators for Reliable and Risk Free Operation. <i>Energies</i> , 2019, 12, 4176.	1.6	3
7	An analytical model of hydrogen evolution and oxidation reactions on electrodes partially covered with a catalyst. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13616-13628.	1.3	5
8	Two-phase model of hydrogen transport to optimize nanoparticle catalyst loading for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7568-7581.	3.8	5
9	Physical Modeling of Photoelectrochemical Hydrogen Production Devices. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21747-21766.	1.5	21
10	Scalability and feasibility of photoelectrochemical H ₂ evolution: the ultimate limit of Pt nanoparticle as an HER catalyst. <i>Energy and Environmental Science</i> , 2015, 8, 2991-2999.	15.6	162
11	Flexible metal-free counter electrode for dye solar cells based on conductive polymer and carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2012, 683, 70-74.	1.9	24
12	Effect of Diffuse Light Scattering Designs on the Efficiency of Dye Solar Cells: An Integral Optical and Electrical Description. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11426-11433.	1.5	48
13	Charge Transport and Photocurrent Generation Characteristics in Dye Solar Cells Containing Thermally Degraded N719 Dye Molecules. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15598-15606.	1.5	39