Erno Kemppainen

List of Publications by Year in descending order

13	540	1039406 9	1199166 12
papers	citations	h-index	g-index

13	13	13	944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scalability and feasibility of photoelectrochemical H₂evolution: the ultimate limit of Pt nanoparticle as an HER catalyst. Energy and Environmental Science, 2015, 8, 2991-2999.	15.6	162
2	Understanding the Hydrogen Evolution Reaction Kinetics of Electrodeposited Nickelâ€Molybdenum in Acidic, Nearâ€Neutral, and Alkaline Conditions. ChemElectroChem, 2021, 8, 195-208.	1.7	100
3	Host, Suppressor, and Promoterâ€"The Roles of Ni and Fe on Oxygen Evolution Reaction Activity and Stability of NiFe Alloy Thin Films in Alkaline Media. ACS Catalysis, 2021, 11, 10537-10552.	5.5	98
4	Effect of Diffuse Light Scattering Designs on the Efficiency of Dye Solar Cells: An Integral Optical and Electrical Description. Journal of Physical Chemistry C, 2012, 116, 11426-11433.	1.5	48
5	Charge Transport and Photocurrent Generation Characteristics in Dye Solar Cells Containing Thermally Degraded N719 Dye Molecules. Journal of Physical Chemistry C, 2011, 115, 15598-15606.	1.5	39
6	Flexible metal-free counter electrode for dye solar cells based on conductive polymer and carbon nanotubes. Journal of Electroanalytical Chemistry, 2012, 683, 70-74.	1.9	24
7	Physical Modeling of Photoelectrochemical Hydrogen Production Devices. Journal of Physical Chemistry C, 2015, 119, 21747-21766.	1.5	21
8	Development of Various Photovoltaicâ€Driven Water Electrolysis Technologies for Green Solar Hydrogen Generation. Solar Rrl, 2022, 6, 2100479.	3.1	21
9	Effect of the ambient conditions on the operation of a large-area integrated photovoltaic-electrolyser. Sustainable Energy and Fuels, 2020, 4, 4831-4847.	2.5	14
10	An analytical model of hydrogen evolution and oxidation reactions on electrodes partially covered with a catalyst. Physical Chemistry Chemical Physics, 2016, 18, 13616-13628.	1.3	5
11	Two-phase model of hydrogen transport to optimize nanoparticle catalyst loading for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2016, 41, 7568-7581.	3.8	5
12	Prospects for Hermetic Sealing of Scaled-Up Photoelectrochemical Hydrogen Generators for Reliable and Risk Free Operation. Energies, 2019, 12, 4176.	1.6	3
13	Effect of Heat Exchanger on the Operation of a Directly Coupled Photovoltaic-Electrolyser. ECS Meeting Abstracts, 2022, MA2022-01, 1558-1558.	0.0	0