

Sung Yul Lim

List of Publications by Year in descending order

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Version: 2024-02-01

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#	ARTICLE	IF	CITATIONS
1	Fabrication of Ni-Mo-based Electrocatalysts by Modified Zn Phosphating for Hydrogen Evolution Reaction. <i>Journal of Electrochemical Science and Technology</i> , 2022, 13, 54-62.	2.2	1
2	Enhanced CO ₂ electroconversion of <i>Rhodospirillum rubrum</i> sphaeroides by cobalt-phosphate complex assisted water oxidation. <i>Bioelectrochemistry</i> , 2022, 145, 108102.	4.6	4
3	Self-Standing Nanofiber Electrodes with Pt-Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2006771.	14.9	27
4	Nanofiber Electrodes: Self-Standing Nanofiber Electrodes with Pt-Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells (<i>Adv. Funct. Mater.</i> 7/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170047.	14.9	0
5	Suppressing hydrogen evolution for high selective CO ₂ reduction through surface-reconstructed heterojunction photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119876.	20.2	41
6	In Situ Growth of CoMnPO _x Hy for Oxygen Evolution Reaction by Cobalt-Modified Commercial Manganese Phosphating and Electrochemical Activation. <i>ACS Applied Energy Materials</i> , 2021, 4, 5392-5396.	5.1	1
7	Functional Integration of Catalysts with Si Nanowire Photocathodes for Efficient Utilization of Photogenerated Charge Carriers. <i>ACS Omega</i> , 2021, 6, 22311-22316.	3.5	4
8	Metal-free, NH ₃ -activated N-doped mesoporous nanocarbon electrocatalysts for the oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2021, 129, 107092.	4.7	3
9	Enhanced H ₂ Evolution at Patterned MoS ₂ -Modified Si-Based Photocathodes by Incorporating the Interfacial 3D Nanostructure of Ag. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46499-46506.	8.0	2
10	Electrochemically Activated NiFeO _x Hy for Enhanced Oxygen Evolution. <i>ACS Applied Energy Materials</i> , 2021, 4, 595-601.	5.1	10
11	Chemically Deposited Amorphous Zn-Doped NiFeO _x Hy for Enhanced Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 235-244.	11.2	86
12	Structure and electrochemical properties of titanate perovskite with in situ exsolution as a ceramic electrode material. <i>Journal of Electroceramics</i> , 2020, 45, 29-38.	2.0	4
13	Three-dimensionally patterned Ag-Pt alloy catalyst on planar Si photocathodes for photoelectrochemical H ₂ evolution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4184-4192.	2.8	11
14	Chemically Deposited Cobalt-Based Oxygen Evolution Electrocatalysts on DOPA-Displaying Viruses. <i>ChemCatChem</i> , 2018, 10, 165-169.	3.7	4
15	Robust and High Spatial Resolution Light Addressable Electrochemistry Using Hematite (Î±-Fe ₂ O ₃) Photoanodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33662-33668.	8.0	20
16	Catalytic Electron Transfer at Nanoporous Indium Tin Oxide Electrodes. <i>Electrochimica Acta</i> , 2017, 258, 90-97.	5.2	15
17	Photoelectrochemical and Impedance Spectroscopic Analysis of Amorphous Si for Light-Guided Electrodeposition and Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23698-23706.	8.0	13
18	Light-Driven Highly Selective Conversion of CO ₂ to Formate by Electrosynthesized Enzyme/Cofactor Thin Film Electrode. <i>Advanced Energy Materials</i> , 2016, 6, 1502207.	19.5	79

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19	Nonfaradaic Nanoporous Electrochemistry for Conductometry at High Electrolyte Concentration. <i>Analytical Chemistry</i> , 2015, 87, 2443-2451.	6.5	9
20	Light-guided electrodeposition of non-noble catalyst patterns for photoelectrochemical hydrogen evolution. <i>Energy and Environmental Science</i> , 2015, 8, 3654-3662.	30.8	25
21	Hydrogen-atom-mediated electrochemistry. <i>Nature Communications</i> , 2013, 4, 2766.	12.8	54
22	Gold Microshell Tip for In Situ Electrochemical Raman Spectroscopy. <i>Advanced Materials</i> , 2012, 24, 421-424.	21.0	4
23	Mercury(ii) detection by SERS based on a single gold microshell. <i>Chemical Communications</i> , 2010, 46, 5587.	4.1	109