Sung Yul Lim

List of Publications by Year
in descending order

23 papers	526 citations	840776 11 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	938 citing authors

#	Article	IF	Citations
1	Mercury(ii) detection by SERS based on a single gold microshell. Chemical Communications, 2010, 46, 5587.	4.1	109
2	Chemically Deposited Amorphous Zn-Doped NiFeO<i>_{<i>x</i>}</i>H<i>_{<i>y</i>}</i> for Enhanced Water Oxidation. ACS Catalysis, 2020, 10, 235-244.	11.2	86
3	Lightâ€Driven Highly Selective Conversion of CO₂ to Formate by Electrosynthesized Enzyme/Cofactor Thin Film Electrode. Advanced Energy Materials, 2016, 6, 1502207.	19.5	79
4	Hydrogen-atom-mediated electrochemistry. Nature Communications, 2013, 4, 2766.	12.8	54
5	Suppressing hydrogen evolution for high selective CO2 reduction through surface-reconstructed heterojunction photocatalyst. Applied Catalysis B: Environmental, 2021, 286, 119876.	20.2	41
6	Selfâ€Standing Nanofiber Electrodes with Ptâ€"Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells. Advanced Functional Materials, 2021, 31, 2006771.	14.9	27
7	Light-guided electrodeposition of non-noble catalyst patterns for photoelectrochemical hydrogen evolution. Energy and Environmental Science, 2015, 8, 3654-3662.	30.8	25
8	Robust and High Spatial Resolution Light Addressable Electrochemistry Using Hematite (Î±-Fe₂O₃) Photoanodes. ACS Applied Materials & Interfaces, 2018, 10, 33662-33668.	8.0	20
9	Catalytic Electron Transfer at Nanoporous Indium Tin Oxide Electrodes. Electrochimica Acta, 2017, 258, 90-97.	5.2	15
10	Photoelectrochemical and Impedance Spectroscopic Analysis of Amorphous Si for Light-Guided Electrodeposition and Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2017, 9, 23698-23706.	8.0	13
11	Three-dimensionally patterned Agâ€"Pt alloy catalyst on planar Si photocathodes for photoelectrochemical H₂ evolution. Physical Chemistry Chemical Physics, 2019, 21, 4184-4192.	2.8	11
12	Electrochemically Activated NiFeO_{<i>x</i>}H_{<i>y</i>} for Enhanced Oxygen Evolution. ACS Applied Energy Materials, 2021, 4, 595-601.	5.1	10
13	Nonfaradaic Nanoporous Electrochemistry for Conductometry at High Electrolyte Concentration. Analytical Chemistry, 2015, 87, 2443-2451.	6.5	9
14	Gold Microshell Tip for In Situ Electrochemical Raman Spectroscopy. Advanced Materials, 2012, 24, 421-424.	21.0	4
15	Chemically Deposited Cobaltâ€Based Oxygenâ€Evolution Electrocatalysts on DOPAâ€Displaying Viruses. ChemCatChem, 2018, 10, 165-169.	3.7	4
16	Structure and electrochemical properties of titanate perovskite with in situ exsolution as a ceramic electrode material. Journal of Electroceramics, 2020, 45, 29-38.	2.0	4
17	Functional Integration of Catalysts with Si Nanowire Photocathodes for Efficient Utilization of Photogenerated Charge Carriers. ACS Omega, 2021, 6, 22311-22316.	3.5	4
18	Enhanced CO2 electroconversion of Rhodobacter sphaeroides by cobalt-phosphate complex assisted water oxidation. Bioelectrochemistry, 2022, 145, 108102.	4.6	4

#	Article	IF	Citations
19	Metal-free, NH3-activated N-doped mesoporous nanocarbon electrocatalysts for the oxygen reduction reaction. Electrochemistry Communications, 2021, 129, 107092.	4.7	3
20	Enhanced H₂ Evolution at Patterned MoS_{<i>x</i>}-Modified Si-Based Photocathodes by Incorporating the Interfacial 3D Nanostructure of Ag. ACS Applied Materials & Interfaces, 2021, 13, 46499-46506.	8.0	2
21	In Situ Growth of CoMnPOxHy for Oxygen Evolution Reaction by Cobalt-Modified Commercial Manganese Phosphating and Electrochemical Activation. ACS Applied Energy Materials, 2021, 4, 5392-5396.	5.1	1
22	Fabrication of Niâ€“Mo-based Electrocatalysts by Modified Zn Phosphating for Hydrogen Evolution Reaction. Journal of Electrochemical Science and Technology, 2022, 13, 54-62.	2.2	1
23	Nanofiber Electrodes: Selfâ€Standing Nanofiber Electrodes with Ptâ€“Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells (Adv. Funct. Mater. 7/2021). Advanced Functional Materials, 2021, 31, 2170047.	14.9	0