

Jianan Erick Huang

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,708
citations

687363

13
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	CO ₂ electrolysis to multicarbon products in strong acid. <i>Science</i> , 2021, 372, 1074-1078.	12.6	541
2	Self-Cleaning CO ₂ Reduction Systems: Unsteady Electrochemical Forcing Enables Stability. <i>ACS Energy Letters</i> , 2021, 6, 809-815.	17.4	159
3	Single Pass CO ₂ Conversion Exceeding 85% in the Electrosynthesis of Multicarbon Products via Local CO ₂ Regeneration. <i>ACS Energy Letters</i> , 2021, 6, 2952-2959.	17.4	155
4	Accelerating CO ₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€”Thermal Field on Copper Nanoneedles. <i>Journal of the American Chemical Society</i> , 2022, 144, 3039-3049.	13.7	147
5	Tuning OH binding energy enables selective electrochemical oxidation of ethylene to ethylene glycol. <i>Nature Catalysis</i> , 2020, 3, 14-22.	34.4	120
6	Low coordination number copper catalysts for electrochemical CO ₂ methanation in a membrane electrode assembly. <i>Nature Communications</i> , 2021, 12, 2932.	12.8	97
7	Carbon-efficient carbon dioxide electrolyzers. <i>Nature Sustainability</i> , 2022, 5, 563-573.	23.7	95
8	Promoting CO ₂ methanation via ligand-stabilized metal oxide clusters as hydrogen-donating motifs. <i>Nature Communications</i> , 2020, 11, 6190.	12.8	93
9	Wide-Bandgap Perovskite Quantum Dots in Perovskite Matrix for Sky-Blue Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2022, 144, 4009-4016.	13.7	92
10	Bipolar membrane electrolyzers enable high single-pass CO ₂ electroreduction to multicarbon products. <i>Nature Communications</i> , 2022, 13, .	12.8	81
11	A microchanneled solid electrolyte for carbon-efficient CO ₂ electrolysis. <i>Joule</i> , 2022, 6, 1333-1343.	24.0	51
12	Redox-mediated electrosynthesis of ethylene oxide from CO ₂ and water. <i>Nature Catalysis</i> , 2022, 5, 185-192.	34.4	40
13	Electroosmotic flow steers neutral products and enables concentrated ethanol electroproduction from CO ₂ . <i>Joule</i> , 2021, 5, 2742-2753.	24.0	37