

Jonathan P Edwards

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

5,847
citations

394421

19
h-index

794594

19
g-index

24
all docs

24
docs citations

24
times ranked

4356
citing authors

#	ARTICLE	IF	CITATIONS
1	A microchanneled solid electrolyte for carbon-efficient CO ₂ electrolysis. <i>Joule</i> , 2022, 6, 1333-1343.	24.0	51
2	Bipolar membrane electrolyzers enable high single-pass CO ₂ electroreduction to multicarbon products. <i>Nature Communications</i> , 2022, 13, .	12.8	81
3	(Digital Presentation) Assessing the Energy Intensity of Product Purification in CO ₂ Electrolysis. ECS Meeting Abstracts, 2022, MA2022-01, 2445-2445.	0.0	0
4	Self-Cleaning CO ₂ Reduction Systems: Unsteady Electrochemical Forcing Enables Stability. <i>ACS Energy Letters</i> , 2021, 6, 809-815.	17.4	159
5	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
6	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
7	Reducing the crossover of carbonate and liquid products during carbon dioxide electroreduction. <i>Cell Reports Physical Science</i> , 2021, 2, 100522.	5.6	38
8	Electroosmotic flow steers neutral products and enables concentrated ethanol electroproduction from CO ₂ . <i>Joule</i> , 2021, 5, 2742-2753.	24.0	37
9	Downstream of the CO ₂ Electrolyzer: Assessing the Energy Intensity of Product Separation. <i>ACS Energy Letters</i> , 2021, 6, 4405-4412.	17.4	53
10	Oxygen-tolerant electroproduction of C ₂ products from simulated flue gas. <i>Energy and Environmental Science</i> , 2020, 13, 554-561.	30.8	113
11	Efficient electrocatalytic conversion of carbon dioxide in a low-resistance pressurized alkaline electrolyzer. <i>Applied Energy</i> , 2020, 261, 114305.	10.1	65
12	CO ₂ electrolysis to multicarbon products at activities greater than 1 A cm ⁻² . <i>Science</i> , 2020, 367, 661-666.	12.6	860
13	Molecular tuning of CO ₂ -to-ethylene conversion. <i>Nature</i> , 2020, 577, 509-513.	27.8	682
14	Continuous Carbon Dioxide Electroreduction to Concentrated Multi-carbon Products Using a Membrane Electrode Assembly. <i>Joule</i> , 2019, 3, 2777-2791.	24.0	350
15	Electrochemical CO ₂ Reduction into Chemical Feedstocks: From Mechanistic Electrocatalysis Models to System Design. <i>Advanced Materials</i> , 2019, 31, e1807166.	21.0	769
16	Efficient electrocatalytic conversion of carbon monoxide to propanol using fragmented copper. <i>Nature Catalysis</i> , 2019, 2, 251-258.	34.4	188
17	Efficient Electroreduction of CO ₂ in an Ultra-Slim Pressurized Electrolyzer. ECS Meeting Abstracts, 2019, , .	0.0	0
18	Carbon Dioxide Electroreduction to Multi-Carbon Products Using a Large-Scale Membrane Electrode Assembly. ECS Meeting Abstracts, 2019, , .	0.0	0

#	ARTICLE	IF	CITATIONS
19	Stable, High-Rate CO ₂ Electroreduction to Multi-Carbon Products in a Membrane Electrode Assembly System. ECS Meeting Abstracts, 2019, , .	0.0	0
20	Hydronium-Induced Switching between CO ₂ Electroreduction Pathways. Journal of the American Chemical Society, 2018, 140, 3833-3837.	13.7	144
21	Copper adparticle enabled selective electrosynthesis of n-propanol. Nature Communications, 2018, 9, 4614.	12.8	153
22	CO ₂ electroreduction to ethylene via hydroxide-mediated copper catalysis at an abrupt interface. Science, 2018, 360, 783-787.	12.6	1,638
23	Combined high alkalinity and pressurization enable efficient CO ₂ electroreduction to CO. Energy and Environmental Science, 2018, 11, 2531-2539.	30.8	214