Ezra L Clark

List of Publications by Year
in descending order

29 papers	5,387 citations	257357 24 h-index	501076 28 g-index
29 all docs	29 docs citations	29 times ranked	7320 citing authors

#	Article	IF	Citations
1	<i>In Situ</i> Analysis of the Facets of Cu-Based Electrocatalysts in Alkaline Media Using Pb Underpotential Deposition. Langmuir, 2022, 38, 1514-1521.	1.6	8
2	The Importance of Potential Control for Accurate Studies of Electrochemical CO Reduction. ACS Energy Letters, 2021, 6, 1879-1885.	8.8	20
3	Heterogenized Pyridine-Substituted Cobalt(II) Phthalocyanine Yields Reduction of CO₂ by Tuning the Electron Affinity of the Co Center. ACS Applied Materials & Interfaces, 2020, 12, 5251-5258.	4.0	41
4	Insights into the carbon balance for CO₂ electroreduction on Cu using gas diffusion electrode reactor designs. Energy and Environmental Science, 2020, 13, 977-985.	15.6	313
5	(Invited) A Full Carbon Balance Analysis on High Current Density Electrochemical CO2 Reduction Reactors with Cu Catalysts. ECS Meeting Abstracts, 2020, MA2020-01, 1497-1497.	0.0	0
6	Understanding cation effects in electrochemical CO₂ reduction. Energy and Environmental Science, 2019, 12, 3001-3014.	15.6	433
7	Influence of Atomic Surface Structure on the Activity of Ag for the Electrochemical Reduction of CO₂ to CO. ACS Catalysis, 2019, 9, 4006-4014.	5.5	119
8	Explaining the Incorporation of Oxygen Derived from Solvent Water into the Oxygenated Products of CO Reduction over Cu. Journal of the American Chemical Society, 2019, 141, 4191-4193.	6.6	29
9	Electrochemical flow cell enabling <i>operando</i> probing of electrocatalyst surfaces by X-ray spectroscopy and diffraction. Physical Chemistry Chemical Physics, 2019, 21, 5402-5408.	1.3	38
10	Effects of Anion Identity and Concentration on Electrochemical Reduction of CO₂. ChemElectroChem, 2018, 5, 1064-1072.	1.7	165
11	Standards and Protocols for Data Acquisition and Reporting for Studies of the Electrochemical Reduction of Carbon Dioxide. ACS Catalysis, 2018, 8, 6560-6570.	5.5	250
12	Direct Observation of the Local Reaction Environment during the Electrochemical Reduction of CO₂. Journal of the American Chemical Society, 2018, 140, 7012-7020.	6.6	176
13	Tailoring Morphology of Cuâ€"Ag Nanocrescents and Coreâ€"Shell Nanocrystals Guided by a Thermodynamic Model. Journal of the American Chemical Society, 2018, 140, 8569-8577.	6.6	57
14	Nanoporous gold assemblies of calixarene-phosphine-capped colloids. Chemical Communications, 2017, 53, 10870-10873.	2.2	4
15	Promoter Effects of Alkali Metal Cations on the Electrochemical Reduction of Carbon Dioxide. Journal of the American Chemical Society, 2017, 139, 11277-11287.	6.6	653
16	Electrochemical CO₂ Reduction over Compressively Strained CuAg Surface Alloys with Enhanced Multi-Carbon Oxygenate Selectivity. Journal of the American Chemical Society, 2017, 139, 15848-15857.	6.6	470
17	CO₂ Electroreduction with Enhanced Ethylene and Ethanol Selectivity by Nanostructuring Polycrystalline Copper. ChemElectroChem, 2016, 3, 1012-1019.	1.7	142
18	Effects of temperature and gasâ€"liquid mass transfer on the operation of small electrochemical cells for the quantitative evaluation of CO₂reduction electrocatalysts. Physical Chemistry Chemical Physics, 2016, 18, 26777-26785.	1.3	138

#	Article	IF	Citations
19	Quantum Mechanical Screening of Single-Atom Bimetallic Alloys for the Selective Reduction of CO₂ to C₁ Hydrocarbons. ACS Catalysis, 2016, 6, 7769-7777.	5.5	190
20	Trace Levels of Copper in Carbon Materials Show Significant Electrochemical CO₂ Reduction Activity. ACS Catalysis, 2016, 6, 202-209.	5.5	143
21	Effects of electrolyte, catalyst, and membrane composition and operating conditions on the performance of solar-driven electrochemical reduction of carbon dioxide. Physical Chemistry Chemical Physics, 2015, 17, 18924-18936.	1.3	312
22	Thermodynamic and achievable efficiencies for solar-driven electrochemical reduction of carbon dioxide to transportation fuels. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6111-8.	3.3	103
23	Differential Electrochemical Mass Spectrometer Cell Design for Online Quantification of Products Produced during Electrochemical Reduction of CO₂. Analytical Chemistry, 2015, 87, 8013-8020.	3.2	83
24	Nickel supported on zinc oxide nanowires as advanced hydrodesulfurization catalysts. Catalysis Today, 2012, 198, 219-227.	2.2	33
25	MoO_{3â€“<i>x</i>} Nanowire Arrays As Stable and High-Capacity Anodes for Lithium Ion Batteries. Nano Letters, 2012, 12, 1784-1788.	4.5	266
26	Alkali-Assisted, Atmospheric Plasma Production of Titania Nanowire Powders and Arrays. Crystal Growth and Design, 2011, 11, 2913-2919.	1.4	29
27	Kinetically limited de-lithiation behavior of nanoscale tin-covered tin oxide nanowires. Energy and Environmental Science, 2011, 4, 1695.	15.6	54
28	Coreâ€“shell MoO₃â€“MoS₂ Nanowires for Hydrogen Evolution: A Functional Design for Electrocatalytic Materials. Nano Letters, 2011, 11, 4168-4175.	4.5	1,099
29	Inorganic nanowires: a perspective about their role in energy conversion and storage applications. Journal Physics D: Applied Physics, 2011, 44, 174032.	1.3	19