

Armin Sedighian Rasouli

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

2,185
citations

687363

13
h-index

1125743

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g-index

14
all docs

14
docs citations

14
times ranked

2014
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Accelerated discovery of CO ₂ electrocatalysts using active machine learning. Nature, 2020, 581, 178-183. | 27.8 | 807 |
| 2 | CO ₂ electrolysis to multicarbon products in strong acid. Science, 2021, 372, 1074-1078. | 12.6 | 541 |
| 3 | Efficient Methane Electrosynthesis Enabled by Tuning Local CO ₂ Availability. Journal of the American Chemical Society, 2020, 142, 3525-3531. | 13.7 | 154 |
| 4 | Electrochemical upgrade of CO ₂ from amine capture solution. Nature Energy, 2021, 6, 46-53. | 39.5 | 129 |
| 5 | Efficient electrosynthesis of n-propanol from carbon monoxide using a Ag ⁺ /Ru ⁰ /Cu catalyst. Nature Energy, 2022, 7, 170-176. | 39.5 | 96 |
| 6 | Promoting CO ₂ methanation via ligand-stabilized metal oxide clusters as hydrogen-donating motifs. Nature Communications, 2020, 11, 6190. | 12.8 | 93 |
| 7 | A metal-supported single-atom catalytic site enables carbon dioxide hydrogenation. Nature Communications, 2022, 13, 819. | 12.8 | 83 |
| 8 | Gold-in-copper at low *CO coverage enables efficient electromethanation of CO ₂ . Nature Communications, 2021, 12, 3387. | 12.8 | 70 |
| 9 | Micron Thick Colloidal Quantum Dot Solids. Nano Letters, 2020, 20, 5284-5291. | 9.1 | 47 |
| 10 | Ternary Alloys Enable Efficient Production of Methoxylated Chemicals via Selective Electrocatalytic Hydrogenation of Lignin Monomers. Journal of the American Chemical Society, 2021, 143, 17226-17235. | 13.7 | 43 |
| 11 | Facet-Oriented Coupling Enables Fast and Sensitive Colloidal Quantum Dot Photodetectors. Advanced Materials, 2021, 33, e2101056. | 21.0 | 42 |
| 12 | CO ₂ Electroreduction to Methane at Production Rates Exceeding 100 mA/cm ² . ACS Sustainable Chemistry and Engineering, 2020, 8, 14668-14673. | 6.7 | 41 |
| 13 | Ga doping disrupts C-C coupling and promotes methane electroproduction on CuAl catalysts. Chem Catalysis, 2022, 2, 908-916. | 6.1 | 24 |
| 14 | Colloidal Quantum Dot Solar Cell Band Alignment using Two-Step Ionic Doping. , 2020, 2, 1583-1589. | | 15 |