

Wanyu Deng

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,198
citations

567281

15
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1450
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Unraveling the rate-limiting step of two-electron transfer electrochemical reduction of carbon dioxide. <i>Nature Communications</i> , 2022, 13, 803. | 12.8 | 67 |
| 2 | Local reaction environment for selective electroreduction of carbon monoxide. <i>Energy and Environmental Science</i> , 2022, 15, 2470-2478. | 30.8 | 27 |
| 3 | The effect of specific adsorption of halide ions on electrochemical CO ₂ reduction. <i>Chemical Science</i> , 2022, 13, 8117-8123. | 7.4 | 14 |
| 4 | Coupling of Cu(100) and (110) Facets Promotes Carbon Dioxide Conversion to Hydrocarbons and Alcohols. <i>Angewandte Chemie</i> , 2021, 133, 4929-4935. | 2.0 | 98 |
| 5 | Coupling of Cu(100) and (110) Facets Promotes Carbon Dioxide Conversion to Hydrocarbons and Alcohols. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4879-4885. | 13.8 | 171 |
| 6 | On the Role of Sn Segregation of Pt-Sn Catalysts for Propane Dehydrogenation. <i>ACS Catalysis</i> , 2021, 11, 4401-4410. | 11.2 | 54 |
| 7 | Effect of bicarbonate on CO ₂ electroreduction over cathode catalysts. <i>Fundamental Research</i> , 2021, 1, 432-438. | 3.3 | 25 |
| 8 | Selective Electroreduction of Carbon Dioxide over SnO ₂ Nanodot Catalysts. <i>ChemSusChem</i> , 2020, 13, 6353-6359. | 6.8 | 16 |
| 9 | Enhanced CO ₂ Electroreduction on Neighboring Zn/Co Monomers by Electronic Effect. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12664-12668. | 13.8 | 164 |
| 10 | Enhanced CO ₂ Electroreduction on Neighboring Zn/Co Monomers by Electronic Effect. <i>Angewandte Chemie</i> , 2020, 132, 12764-12768. | 2.0 | 23 |
| 11 | Concentrating and activating carbon dioxide over AuCu aerogel grain boundaries. <i>Journal of Chemical Physics</i> , 2020, 152, 204703. | 3.0 | 13 |
| 12 | Crucial Role of Surface Hydroxyls on the Activity and Stability in Electrochemical CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 2911-2915. | 13.7 | 217 |
| 13 | Theory assisted design of N-doped tin oxides for enhanced electrochemical CO ₂ activation and reduction. <i>Science China Chemistry</i> , 2019, 62, 1030-1036. | 8.2 | 24 |
| 14 | Ultrathin Pd@Au Shells with Controllable Alloying Degree on Pd Nanocubes toward Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 4791-4794. | 13.7 | 142 |
| 15 | Abundant Ce ³⁺ Ions in Au@CeO _x Nanosheets to Enhance CO ₂ Electroreduction Performance. <i>Small</i> , 2019, 15, e1900289. | 10.0 | 46 |
| 16 | Achieving convenient CO ₂ electroreduction and photovoltage in tandem using potential-insensitive disordered Ag nanoparticles. <i>Chemical Science</i> , 2018, 9, 6599-6604. | 7.4 | 34 |
| 17 | Fabrication of hybrid membranes by incorporating acid-base pair functionalized hollow mesoporous silica for enhanced proton conductivity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16079-16088. | 10.3 | 63 |