

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	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
2	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
3	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
4	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
5	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
6	Unraveling the rate-limiting step of two-electron transfer electrochemical reduction of carbon dioxide. <i>Nature Communications</i> , 2022, 13, 803.	12.8	67
7	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
8	On the Role of Sn Segregation of Pt-Sn Catalysts for Propane Dehydrogenation. <i>ACS Catalysis</i> , 2021, 11, 4401-4410.	11.2	54
9	Abundant Ce ³⁺ Ions in Au@CeO _x Nanosheets to Enhance CO ₂ Electroreduction Performance. <i>Small</i> , 2019, 15, e1900289.	10.0	46
10	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
11	Local reaction environment for selective electroreduction of carbon monoxide. <i>Energy and Environmental Science</i> , 2022, 15, 2470-2478.	30.8	27
12	Effect of bicarbonate on CO ₂ electroreduction over cathode catalysts. <i>Fundamental Research</i> , 2021, 1, 432-438.	3.3	25
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	Enhanced CO ₂ Electroreduction on Neighboring Zn/Co Monomers by Electronic Effect. <i>Angewandte Chemie</i> , 2020, 132, 12764-12768.	2.0	23
15	Selective Electroreduction of Carbon Dioxide over SnO ₂ Nanodot Catalysts. <i>ChemSusChem</i> , 2020, 13, 6353-6359.	6.8	16
16	The effect of specific adsorption of halide ions on electrochemical CO ₂ reduction. <i>Chemical Science</i> , 2022, 13, 8117-8123.	7.4	14
17	Concentrating and activating carbon dioxide over AuCu aerogel grain boundaries. <i>Journal of Chemical Physics</i> , 2020, 152, 204703.	3.0	13