Jun-Wei Fu

List of Publications by Year
in descending order

49 papers	8,880 citations	147801 31 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	6722 citing authors

#	Article	IF	Citations
1	Bimetallic atomic site catalysts for CO2 reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	16.2	31
2	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	2.0	24
3	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, e202113664.	13.8	102
4	Identification of the active site during CF₄ hydrolytic decomposition over Î³-Al₂O₃. Environmental Science: Nano, 2022, 9, 954-963.	4.3	6
5	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	9.0	17
6	Electric-field promoted Câ€“C coupling over Cu nanoneedles for CO2 electroreduction to C2 products. Chinese Journal of Catalysis, 2022, 43, 519-525.	14.0	34
7	CO2 reduction reaction pathways on single-atom Co sites: Impacts of local coordination environment. Chinese Journal of Catalysis, 2022, 43, 832-838.	14.0	18
8	High-performance alkaline water splitting by Ni nanoparticle-decorated Mo-Ni microrods: Enhanced ion adsorption by the local electric field. Chemical Engineering Journal, 2022, 435, 134860.	12.7	20
9	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO2 reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	20.2	53
10	Accelerating CO₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€“Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	13.7	147
11	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO₂. Advanced Functional Materials, 2022, 32, .	14.9	80
12	Vertical Cu Nanoneedle Arrays Enhance the Local Electric Field Promoting C₂ Hydrocarbons in the CO₂ Electroreduction. Nano Letters, 2022, 22, 1963-1970.	9.1	95
13	Tandem catalysis on adjacent active motifs of copper grain boundary for efficient CO2 electroreduction toward C2 products. Journal of Energy Chemistry, 2022, 70, 219-223.	12.9	29
14	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. Nature Communications, 2022, 13, 2075.	12.8	197
15	Regulating local charges of atomically dispersed Mo+ sites by nitrogen coordination on cobalt nanosheets to trigger water dissociation for boosted hydrogen evolution in alkaline media. Journal of Energy Chemistry, 2022, 72, 125-132.	12.9	17
16	Enhanced Selective Photooxidation of Toluene to Benzaldehyde over Co₃O₄â€Modified BiOBr/AgBr Sâ€Scheme Heterojunction. Solar Rrl, 2022, 6, .	5.8	7
17	Unveiling the Protonâ€Feeding Effect in Sulfurâ€Doped Feâ€'Nâ€'C Singleâ€Atom Catalyst for Enhanced CO₂ Electroreduction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	126
18	Cu-based bimetallic catalysts for CO2 reduction reaction. , 2022, 1, 100023.		20

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19	Unveiling the Protonâ€Feeding Effect in Sulfurâ€Doped Feâ^'Nâ^'C Singleâ€Atom Catalyst for Enhanced CO₂ Electroreduction. Angewandte Chemie, 2022, 134, .	2.0	7
20	Vertical SrNbO₂N Nanorod Arrays for Solarâ€Driven Photoelectrochemical Water Splitting. Solar Rrl, 2021, 5, 2000448.	5.8	10
21	Recent Advances in Strategies for Improving the Performance of CO₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	9.9	57
22	CoS₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. Nanoscale, 2021, 13, 13604-13609.	5.6	37
23	2021 Roadmap: electrocatalysts for green catalytic processes. JPhys Materials, 2021, 4, 022004.	4.2	57
24	Paired Ruâ€'Oâ€'Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. Nano Energy, 2021, 82, 105767.	16.0	86
25	Tuning Charge Distribution of FeN₄ via External N for Enhanced Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 6304-6315.	11.2	114
26	Pseudo-copper Ni-Zn alloy catalysts for carbon dioxide reduction to C2 products. Frontiers of Physics, 2021, 16, 1.	5.0	19
27	Chemical Identification of Catalytically Active Sites on Oxygenâ€doped Carbon Nanosheet to Decipher the High Activity for Electroâ€synthesis Hydrogen Peroxide. Angewandte Chemie - International Edition, 2021, 60, 16607-16614.	13.8	150
28	Chemical Identification of Catalytically Active Sites on Oxygenâ€doped Carbon Nanosheet to Decipher the High Activity for Electroâ€synthesis Hydrogen Peroxide. Angewandte Chemie, 2021, 133, 16743-16750.	2.0	34
29	Activation of CO2 on graphitic carbon nitride supported single-atom cobalt sites. Chemical Engineering Journal, 2021, 415, 128982.	12.7	76
30	Intermediate enrichment effect of porous Cu catalyst for CO2 electroreduction to C2 fuels. Electrochimica Acta, 2021, 388, 138552.	5.2	22
31	Tuning the electron structure enables the NiZn alloy for CO2 electroreduction to formate. Journal of Energy Chemistry, 2021, 63, 625-632.	12.9	38
32	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie, 2021, 133, 25445-25449.	2.0	22
33	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie - International Edition, 2021, 60, 25241-25245.	13.8	104
34	Tuning the intermediate reaction barriers by a CuPd catalyst to improve the selectivity of CO2 electroreduction to C2 products. Chinese Journal of Catalysis, 2021, 42, 1500-1508.	14.0	56
35	Machine Learning in Screening High Performance Electrocatalysts for CO₂ Reduction. Small Methods, 2021, 5, e2100987.	8.6	60
36	Product selectivity of photocatalytic CO2 reduction reactions. Materials Today, 2020, 32, 222-243.	14.2	719

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37	Recent advances in the utilization of copper sulfide compounds for electrochemical CO2 reduction. Nano Materials Science, 2020, 2, 235-247.	8.8	45
38	Metallic MoO₂â€Modified Graphitic Carbon Nitride Boosting Photocatalytic CO₂Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	5.8	59
39	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	5.6	107
40	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	5.0	72
41	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	12.8	358
42	Enhancing CO₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. Journal of Materials Chemistry A, 2020, 8, 15936-15941.	10.3	78
43	Tracking dynamic evolution of catalytic active sites in photocatalytic CO2 reduction by in situ time-resolved spectroscopy. Rare Metals, 2020, 39, 607-609.	7.1	39
44	Graphitic Carbon Nitride with Dopant Induced Charge Localization for Enhanced Photoreduction of CO₂ to CH₄. Advanced Science, 2019, 6, 1900796.	11.2	251
45	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. Journal of Colloid and Interface Science, 2019, 550, 17-47.	9.4	26
46	Ultrathin 2D/2D WO3/g-C3N4 step-scheme H2-production photocatalyst. Applied Catalysis B: Environmental, 2019, 243, 556-565.	20.2	1,895
47	Self-assembled hierarchical direct Z-scheme g-C3N4/ZnO microspheres with enhanced photocatalytic CO2 reduction performance. Applied Surface Science, 2018, 441, 12-22.	6.1	364
48	gâ€C₃N₄â€Based Heterostructured Photocatalysts. Advanced Energy Materials, 2018, 8, 1701503.	19.5	1,870
49	Hierarchical Porous Oâ€Doped gâ€C₃N₄ with Enhanced Photocatalytic CO₂ Reduction Activity. Small, 2017, 13, 1603938.	10.0	1,025