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	Ultrathin 2D/2D WO3/g-C3N4 step-scheme H2-production photocatalyst. Applied Catalysis B: Environmental, 2019, 243, 556-565.	20.2	1,895
2	gâ€C₃N₄â€Based Heterostructured Photocatalysts. Advanced Energy Materials, 2018, 8, 1701503.	19.5	1,870
3	Hierarchical Porous Oâ€Doped gâ€C₃N₄ with Enhanced Photocatalytic CO₂ Reduction Activity. Small, 2017, 13, 1603938.	10.0	1,025
4	Product selectivity of photocatalytic CO2 reduction reactions. Materials Today, 2020, 32, 222-243.	14.2	719
5	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
6	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	12.8	358
7	Graphitic Carbon Nitride with Dopant Induced Charge Localization for Enhanced Photoreduction of CO₂ to CH₄. Advanced Science, 2019, 6, 1900796.	11.2	251
8	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. Nature Communications, 2022, 13, 2075.	12.8	197
9	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
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	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
12	Tuning Charge Distribution of FeN₄ via External N for Enhanced Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 6304-6315.	11.2	114
13	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	5.6	107
14	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie - International Edition, 2021, 60, 25241-25245.	13.8	104
15	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
16	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
17	Paired Ruâ€'Oâ€'Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. Nano Energy, 2021, 82, 105767.	16.0	86
18	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO₂. Advanced Functional Materials, 2022, 32, .	14.9	80

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19	Enhancing CO₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. Journal of Materials Chemistry A, 2020, 8, 15936-15941.	10.3	78
20	Activation of CO2 on graphitic carbon nitride supported single-atom cobalt sites. Chemical Engineering Journal, 2021, 415, 128982.	12.7	76
21	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	5.0	72
22	Machine Learning in Screening High Performance Electrocatalysts for CO₂ Reduction. Small Methods, 2021, 5, e2100987.	8.6	60
23	Metallic MoO₂â€Modified Graphitic Carbon Nitride Boosting Photocatalytic CO₂Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	5.8	59
24	Recent Advances in Strategies for Improving the Performance of CO₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	9.9	57
25	2021 Roadmap: electrocatalysts for green catalytic processes. JPhys Materials, 2021, 4, 022004.	4.2	57
26	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
27	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO2 reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	20.2	53
28	Recent advances in the utilization of copper sulfide compounds for electrochemical CO2 reduction. Nano Materials Science, 2020, 2, 235-247.	8.8	45
29	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
30	Tuning the electron structure enables the NiZn alloy for CO2 electroreduction to formate. Journal of Energy Chemistry, 2021, 63, 625-632.	12.9	38
31	CoS₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. Nanoscale, 2021, 13, 13604-13609.	5.6	37
32	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
33	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
34	Bimetallic atomic site catalysts for CO2 reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	16.2	31
35	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
36	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. Journal of Colloid and Interface Science, 2019, 550, 17-47.	9.4	26

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37	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	2.0	24
38	Intermediate enrichment effect of porous Cu catalyst for CO2 electroreduction to C2 fuels. Electrochimica Acta, 2021, 388, 138552.	5.2	22
39	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie, 2021, 133, 25445-25449.	2.0	22
40	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
41	Cu-based bimetallic catalysts for CO2 reduction reaction. , 2022, 1, 100023.		20
42	Pseudo-copper Ni-Zn alloy catalysts for carbon dioxide reduction to C2 products. Frontiers of Physics, 2021, 16, 1.	5.0	19
43	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
44	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	9.0	17
45	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
46	Vertical SrNbO₂N Nanorod Arrays for Solarâ€Driven Photoelectrochemical Water Splitting. Solar Rrl, 2021, 5, 2000448.	5.8	10
47	Enhanced Selective Photooxidation of Toluene to Benzaldehyde over Co₃O₄â€Modified BiOBr/AgBr Sâ€Scheme Heterojunction. Solar Rrl, 2022, 6, .	5.8	7
48	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
49	Identification of the active site during CF₄ hydrolytic decomposition over Î³-Al₂O₃. Environmental Science: Nano, 2022, 9, 954-963.	4.3	6