

Jun-Wei Fu

List of Publications by Year in descending order

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49
papers

8,880
citations

168829

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232693

48
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51
all docs

51
docs citations

51
times ranked

7572
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic atomic site catalysts for CO ₂ reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	8.3	31
2	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	1.6	24
3	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, e202113664.	7.2	102
4	Identification of the active site during CF ₄ hydrolytic decomposition over γ -Al ₂ O ₃ . Environmental Science: Nano, 2022, 9, 954-963.	2.2	6
5	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	4.8	17
6	Electric-field promoted C-C coupling over Cu nanoneedles for CO ₂ electroreduction to C ₂ products. Chinese Journal of Catalysis, 2022, 43, 519-525.	6.9	34
7	CO ₂ reduction reaction pathways on single-atom Co sites: Impacts of local coordination environment. Chinese Journal of Catalysis, 2022, 43, 832-838.	6.9	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.	6.6	20
9	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO ₂ reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	10.8	53
10	Accelerating CO ₂ Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	6.6	147
11	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO ₂ . Advanced Functional Materials, 2022, 32, .	7.8	80
12	Vertical Cu Nanoneedle Arrays Enhance the Local Electric Field Promoting C ₂ Hydrocarbons in the CO ₂ Electroreduction. Nano Letters, 2022, 22, 1963-1970.	4.5	95
13	Tandem catalysis on adjacent active motifs of copper grain boundary for efficient CO ₂ electroreduction toward C ₂ products. Journal of Energy Chemistry, 2022, 70, 219-223.	7.1	29
14	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. Nature Communications, 2022, 13, 2075.	5.8	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.	7.1	17
16	Enhanced Selective Photooxidation of Toluene to Benzaldehyde over Co ₃ O ₄ -Modified BiOBr/AgBr S ₂ Scheme Heterojunction. Solar Rrl, 2022, 6, .	3.1	7
17	Unveiling the Proton-Feeding Effect in Sulfur-Doped Fe [~] N [~] C Single-Atom Catalyst for Enhanced CO ₂ Electroreduction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	126
18	Cu-based bimetallic catalysts for CO ₂ reduction reaction. , 2022, 1, 100023.		20

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19	Unveiling the Proton-Feeding Effect in Sulfur-Doped Fe ^N C Single-Atom Catalyst for Enhanced CO ₂ Electroreduction. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	7
20	Vertical SrNbO ₂ N Nanorod Arrays for Solar-Driven Photoelectrochemical Water Splitting. <i>Solar Rrl</i> , 2021, 5, 2000448.	3.1	10
21	Recent Advances in Strategies for Improving the Performance of CO ₂ Reduction Reaction on Single Atom Catalysts. <i>Small Science</i> , 2021, 1, 2000028.	5.8	57
22	CoS ₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. <i>Nanoscale</i> , 2021, 13, 13604-13609.	2.8	37
23	2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021, 4, 022004.	1.8	57
24	Paired Ru-O-Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. <i>Nano Energy</i> , 2021, 82, 105767.	8.2	86
25	Tuning Charge Distribution of FeN ₄ via External N for Enhanced Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2021, 11, 6304-6315.	5.5	114
26	Pseudo-copper Ni-Zn alloy catalysts for carbon dioxide reduction to C ₂ products. <i>Frontiers of Physics</i> , 2021, 16, 1.	2.4	19
27	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro-synthesis Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16607-16614.	7.2	150
28	Chemical Identification of Catalytically Active Sites on Oxygen-doped Carbon Nanosheet to Decipher the High Activity for Electro-synthesis Hydrogen Peroxide. <i>Angewandte Chemie</i> , 2021, 133, 16743-16750.	1.6	34
29	Activation of CO ₂ on graphitic carbon nitride supported single-atom cobalt sites. <i>Chemical Engineering Journal</i> , 2021, 415, 128982.	6.6	76
30	Intermediate enrichment effect of porous Cu catalyst for CO ₂ electroreduction to C ₂ fuels. <i>Electrochimica Acta</i> , 2021, 388, 138552.	2.6	22
31	Tuning the electron structure enables the NiZn alloy for CO ₂ electroreduction to formate. <i>Journal of Energy Chemistry</i> , 2021, 63, 625-632.	7.1	38
32	Atomically Dispersed s-BLOCK Magnesium Sites for Electroreduction of CO ₂ to CO. <i>Angewandte Chemie</i> , 2021, 133, 25445-25449.	1.6	22
33	Atomically Dispersed s-BLOCK Magnesium Sites for Electroreduction of CO ₂ to CO. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25241-25245.	7.2	104
34	Tuning the intermediate reaction barriers by a CuPd catalyst to improve the selectivity of CO ₂ electroreduction to C ₂ products. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1500-1508.	6.9	56
35	Machine Learning in Screening High Performance Electrocatalysts for CO ₂ Reduction. <i>Small Methods</i> , 2021, 5, e2100987.	4.6	60
36	Product selectivity of photocatalytic CO ₂ reduction reactions. <i>Materials Today</i> , 2020, 32, 222-243.	8.3	719

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37	Recent advances in the utilization of copper sulfide compounds for electrochemical CO ₂ reduction. Nano Materials Science, 2020, 2, 235-247.	3.9	45
38	Metallic MoO ₂ -Modified Graphitic Carbon Nitride Boosting Photocatalytic CO ₂ Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	3.1	59
39	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	2.8	107
40	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	2.4	72
41	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	5.8	358
42	Enhancing CO ₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. Journal of Materials Chemistry A, 2020, 8, 15936-15941.	5.2	78
43	Tracking dynamic evolution of catalytic active sites in photocatalytic CO ₂ reduction by in situ time-resolved spectroscopy. Rare Metals, 2020, 39, 607-609.	3.6	39
44	Graphitic Carbon Nitride with Dopant Induced Charge Localization for Enhanced Photoreduction of CO ₂ to CH ₄ . Advanced Science, 2019, 6, 1900796.	5.6	251
45	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. Journal of Colloid and Interface Science, 2019, 550, 17-47.	5.0	26
46	Ultrathin 2D/2D WO ₃ /g-C ₃ N ₄ step-scheme H ₂ -production photocatalyst. Applied Catalysis B: Environmental, 2019, 243, 556-565.	10.8	1,895
47	Self-assembled hierarchical direct Z-scheme g-C ₃ N ₄ /ZnO microspheres with enhanced photocatalytic CO ₂ reduction performance. Applied Surface Science, 2018, 441, 12-22.	3.1	364
48	g-C ₃ N ₄ -Based Heterostructured Photocatalysts. Advanced Energy Materials, 2018, 8, 1701503.	10.2	1,870
49	Hierarchical Porous O ⁻ Doped g-C ₃ N ₄ with Enhanced Photocatalytic CO ₂ Reduction Activity. Small, 2017, 13, 1603938.	5.2	1,025