

Gas Diffusion Strategy for Inserting Atomic Iron Sites in
for Unusually High-Efficient CO₂ Electroreduction
Zn-CO₂ Batteries

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Iron clusters boosted performance in electrocatalytic carbon dioxide conversion. Journal of Materials Chemistry A, 2020, 8, 21661-21667.	5.2	8
2	Investigation on the Strategies for Discharge Capacity Improvement of Aprotic Li-CO ₂ Batteries. Energy & Fuels, 2020, 34, 16870-16878.	2.5	9
3	Multiscale structural engineering of atomically dispersed FeN ₄ electrocatalyst for proton exchange membrane fuel cells. Journal of Energy Chemistry, 2021, 58, 629-635.	7.1	28
4	Recent Advances in Strategies for Improving the Performance of CO ₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	5.8	57
5	Two-dimensional matrices confining metal single atoms with enhanced electrochemical reaction kinetics for energy storage applications. Energy and Environmental Science, 2021, 14, 1794-1834.	15.6	45
6	Catalytic mechanism and design principle of coordinately unsaturated single metal atom-doped covalent triazine frameworks with high activity and selectivity for CO ₂ electroreduction. Journal of Materials Chemistry A, 2021, 9, 3555-3566.	5.2	26
7	Dense binary Fe-Cu sites promoting CO ₂ utilization enable highly reversible hybrid Na-CO ₂ batteries. Journal of Materials Chemistry A, 2021, 9, 22114-22128.	5.2	17
8	Synthesis Strategies, Catalytic Applications, and Performance Regulation of Single-Atom Catalysts. Advanced Functional Materials, 2021, 31, 2008318.	7.8	133
9	Formamide-derived glue for the hundred-gram scale synthesis of atomically dispersed iron-nitrogen-carbon electrocatalysts. Nanoscale, 2021, 13, 17890-17899.	2.8	4
10	Electrocatalysis for CO ₂ conversion: from fundamentals to value-added products. Chemical Society Reviews, 2021, 50, 4993-5061.	18.7	559
11	Highly selective CO ₂ conversion to methane or syngas tuned by CNTs@non-noble metal cathodes in Zn-CO ₂ flow batteries. Green Chemistry, 2021, 23, 8138-8146.	4.6	15
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14	Metal-support interactions in designing noble metal-based catalysts for electrochemical CO ₂ reduction: Recent advances and future perspectives. Nano Research, 2021, 14, 3795-3809.	5.8	80
15	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. Angewandte Chemie, 2021, 133, 9160-9167.	1.6	26
16	From CO ₂ to Value-Added Products: A Review about Carbon-Based Materials for Electro-Chemical CO ₂ Conversion. Catalysis, 2021, 11, 351.	1.6	33
17	Boosting Electroreduction Kinetics of Nitrogen to Ammonia via Tuning Electron Distribution of Single-Atomic Iron Sites. Angewandte Chemie - International Edition, 2021, 60, 9078-9085.	7.2	157
18	Nanomaterials for adsorption and conversion of CO ₂ under gentle conditions. Materials Today, 2021, 50, 385-399.	8.3	21

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19	Nonnitrogen Coordination Environment Steering Electrochemical CO ₂ -to-CO Conversion over Single-Atom Tin Catalysts in a Wide Potential Window. ACS Catalysis, 2021, 11, 5212-5221.	5.5	79
20	Metal-Free CO ₂ Electrochemistry: From CO ₂ Recycling to Energy Storage. Advanced Energy Materials, 2021, 11, 2100667.	10.2	65
21	A review of non-noble metal-based electrocatalysts for CO ₂ electroreduction. Rare Metals, 2021, 40, 3019.	3.6	74
22	Effect of Carbon Doping on CO ₂ Reduction Activity of Single Cobalt Sites in Graphitic Carbon Nitride. ChemNanoMat, 2021, 7, 1051-1056.	1.5	15
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39	High-efficient CO ₂ electrocatalysis over nanoporous Au film enabled by a combined pore engineering and ionic liquid-mediated approach. <i>Chemical Engineering Journal</i> , 2021, 425, 131663.	6.6	8
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49	Axial chlorine coordinated iron-nitrogen-carbon single-atom catalysts for efficient electrochemical CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 430, 132882.	6.6	51
50	Carbon Nanotubes-Based Electrocatalysts: Structural Regulation, Support Effect, and Synchrotron-Based Characterization. <i>Advanced Functional Materials</i> , 2022, 32, 2106684.	7.8	14
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58	Tuning the Metal Electronic Structure of Anchored Cobalt Phthalocyanine via Dual-Regulator for Efficient CO ₂ Electroreduction and Zn-CO ₂ Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
59	Hydroxy-Group-Functionalized Single Crystal of Copper(II)-Porphyrin Complex for Electroreduction CO ₂ to CH ₄ . <i>ChemSusChem</i> , 2022, , .	3.6	3
60	Functional Aqueous Zinc-Acetylene Batteries for Electricity Generation and Electrochemical Acetylene Reduction to Ethylene. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
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111	Ultrathin Nitrogenâ€Doped Carbon Encapsulated Ni Nanoparticles for Highly Efficient Electrochemical CO ₂ Reduction and Aqueous Znâ€CO ₂ Batteries. Small, 2023, 19, .	5.2	12
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