

Enhanced Cuprophilic Interactions in Crystalline Catalysts  
Electroreduction of CO<sub>2</sub> to CH<sub>4</sub>

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A 20-core copper (<sc>sc</sc>) nanocluster as electron-“hole recombination inhibitor on TiO<sub>2</sub> nanosheets for enhancing photocatalytic H<sub>2</sub> evolution. <i>Nanoscale</i> , 2021, 13, 16182-16188.	2.8	5
2	Novel ultrabright luminescent copper nanoclusters and application in light-emitting devices. <i>Chemical Communications</i> , 2021, 57, 9890-9893.	2.2	9
3	MOF-based electrocatalysts for high-efficiency CO<sub>2</sub> conversion: structure, performance, and perspectives. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22710-22728.	5.2	20
4	Crystalline mixed-valence copper supramolecular isomers for electroreduction of CO<sub>2</sub> to hydrocarbons. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23477-23484.	5.2	7
5	Tandem-like vanadium cluster chains in a polyoxovanadate-based metal-“organic framework for efficient catalytic oxidation of sulfides. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4367-4375.	3.0	27
6	Two Co(II)-Based MOFs Constructed from Resorcin[4]Arene Ligand: Syntheses, Structures, and Heterogeneous Catalyst for Conversion of CO<sub>2</sub>. <i>Crystals</i> , 2021, 11, 574.	1.0	2
7	Hairy sphere-like Ni<sub>9</sub>S<sub>8</sub>/CuS/Cu<sub>2</sub>O composites grown on nickel foam as bifunctional electrocatalysts for hydrogen evolution and urea electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 20950-20960.	3.8	44
8	Advances in Understanding the Electrocatalytic Reconstruction Chemistry of Coordination Compounds. <i>Small</i> , 2021, 17, e2100629.	5.2	10
9	Self-assembly of single metal sites embedded covalent organic frameworks into multi-dimensional nanostructures for efficient CO<sub>2</sub> electroreduction. <i>Chinese Chemical Letters</i> , 2022, 33, 1439-1444.	4.8	31
10	In(III) Metal-“Organic Framework Incorporated with Enzyme-Mimicking Nickel Bis(dithiolene) Ligand for Highly Selective CO<sub>2</sub> Electroreduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 14071-14076.	6.6	54
11	Predesign of Catalytically Active Sites via Stable Coordination Cluster Model System for Electroreduction of CO<sub>2</sub> to Ethylene. <i>Angewandte Chemie</i> , 0, , .	1.6	4
12	In Situ Phase Separation into Coupled Interfaces for Promoting CO<sub>2</sub> Electroreduction to Formate over a Wide Potential Window. <i>Angewandte Chemie</i> , 2021, 133, 23122-23129.	1.6	11
13	Copper/Carbon Heterogenous Interfaces for Enhanced Selective Electrocatalytic Reduction of CO<sub>2</sub> to Formate. <i>Small</i> , 2021, 17, e2102629.	5.2	18
14	Predesign of Catalytically Active Sites via Stable Coordination Cluster Model System for Electroreduction of CO<sub>2</sub> to Ethylene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26210-26217.	7.2	44
15	Highly Selective Tandem Electroreduction of CO<sub>2</sub> to Ethylene over Atomically Isolated Nickel-“Nitrogen Site/Copper Nanoparticle Catalysts. <i>Angewandte Chemie</i> , 2021, 133, 25689-25696.	1.6	31
16	Highly Efficient Electroconversion of CO<sub>2</sub> into CH<sub>4</sub> by a Metal-“Organic Framework with Trigonal Pyramidal Cu(I)N<sub>3</sub> Active Sites. <i>ACS Catalysis</i> , 2021, 11, 11786-11792.	5.5	54
17	In Situ Phase Separation into Coupled Interfaces for Promoting CO<sub>2</sub> Electroreduction to Formate over a Wide Potential Window. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22940-22947.	7.2	67
18	Highly Selective Tandem Electroreduction of CO<sub>2</sub> to Ethylene over Atomically Isolated Nickel-“Nitrogen Site/Copper Nanoparticle Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25485-25492.	7.2	168

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19	Effects of the Catalyst Dynamic Changes and Influence of the Reaction Environment on the Performance of Electrochemical CO <sub>2</sub> Reduction. <i>Advanced Materials</i> , 2022, 34, e2103900.	11.1	61
20	Life cycle and economic analysis of chemicals production via electrolytic (bi)carbonate and gaseous CO <sub>2</sub> conversion. <i>Applied Energy</i> , 2021, 304, 117768.	5.1	15
21	Self-assembly of cuprous iodide cluster-based calix[4]resorcinarenes and photocatalytic properties. <i>CrystEngComm</i> , 2021, 23, 7179-7185.	1.3	11
22	Steric effect induces CO electroreduction to CH <sub>4</sub> on Cu <sup>0</sup> /Au alloys. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21779-21784.	5.2	16
23	Factors Influencing the Performance of Copper-Bearing Catalysts in the CO <sub>2</sub> Reduction System. <i>ACS Energy Letters</i> , 2021, 6, 3992-4022.	8.8	58
24	Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO <sub>2</sub> Reduction to Hydrocarbons**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	8
25	Dynamic Restructuring of Coordinatively Unsaturated Copper Paddle Wheel Clusters to Boost Electrochemical CO <sub>2</sub> Reduction to Hydrocarbons**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	61
26	Covalently anchoring covalent organic framework on carbon nanotubes for highly efficient electrocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120897.	10.8	62
27	Unveiling the reaction pathway on Cu/CeO <sub>2</sub> catalyst for electrocatalytic CO <sub>2</sub> reduction to CH <sub>4</sub> . <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120951.	10.8	54
28	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie</i> , 2022, 134, e202114450.	1.6	15
29	MOF Encapsulating N-Heterocyclic Carbene-Ligated Copper Single-Atom Site Catalyst towards Efficient Methane Electrosynthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	170
30	Boron-doped Covalent Triazine Framework for Efficient CO <sub>2</sub> Electroreduction. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 141-146.	1.3	9
31	Dynamic Evolution of Active Sites in Electrocatalytic CO <sub>2</sub> Reduction Reaction: Fundamental Understanding and Recent Progress. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	65
32	MOF-derived Cu@Cu <sub>2</sub> O heterogeneous electrocatalyst with moderate intermediates adsorption for highly selective reduction of CO <sub>2</sub> to methanol. <i>Chemical Engineering Journal</i> , 2022, 431, 134171.	6.6	59
33	Ultrathin covalent and cuprophilic interaction-assembled copper-sulfur monolayer in organic metal chalcogenide for oriented photoconductivity. <i>Chemical Communications</i> , 2022, 58, 2858-2861.	2.2	7
34	Assembling Metal Organic Layer Composites for High-Performance Electrocatalytic CO <sub>2</sub> Reduction to Formate. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
35	Boosting CO <sub>2</sub> electroreduction over Co nanoparticles supported on N,B-co-doped graphitic carbon. <i>Green Chemistry</i> , 2022, 24, 1488-1493.	4.6	18
36	Single-phase proton- and electron-conducting Ag-organic coordination polymers for efficient CO <sub>2</sub> electroreduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3216-3225.	5.2	7

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37	Uncovering the synergistic photocatalytic behavior of bimetallic molecular catalysts. Chinese Chemical Letters, 2023, 34, 107146.	4.8	4
38	Assembling Metal Organic Layer Composites for High-Performance Electrocatalytic CO <sub>2</sub> Reduction to Formate. Angewandte Chemie - International Edition, 2022, 61, .	7.2	25
39	Hydroxy-Group-Functionalized Single Crystal of Copper(II)-Porphyrin Complex for Electroreduction CO <sub>2</sub> to CH <sub>4</sub> . ChemSusChem, 2022, , .	3.6	3
40	Au-activated N motifs in non-coherent cupric porphyrin metal organic frameworks for promoting and stabilizing ethylene production. Nature Communications, 2022, 13, 63.	5.8	64
41	Dual-active sites design of Snx-Sby-O-GO nanosheets for enhancing electrochemical CO <sub>2</sub> reduction via Sb-accelerating water activation. Applied Catalysis B: Environmental, 2022, 307, 121171.	10.8	7
42	Design Syntheses of Metal-Organic Layer with Rich N-sites for CO <sub>2</sub> Chemical Fixation. CrystEngComm, 0, , .	1.3	2
43	Comparative life cycle and economic assessments of various value-added chemicals' production via electrochemical CO <sub>2</sub> reduction. Green Chemistry, 2022, 24, 2927-2936.	4.6	7
44	Highly-Exposed Single-Interlayered Cu Edges Enable High-Rate CO <sub>2</sub> to CH <sub>4</sub> Electrosynthesis. Advanced Energy Materials, 2022, 12, .	10.2	26
45	Electrocatalytic CO <sub>2</sub> Reduction and H <sub>2</sub> Evolution by a Copper (II) Complex with Redox-Active Ligand. Molecules, 2022, 27, 1399.	1.7	5
46	Adjusting Local CO Confinement in Porous-Shell Ag@Cu Catalysts for Enhancing C-C Coupling toward CO <sub>2</sub> Electroreduction. Nano Letters, 2022, 22, 2554-2560.	4.5	43
47	Steering Unit Cell Dipole and Internal Electric Field by Highly Dispersed Er atoms Embedded into NiO for Efficient CO <sub>2</sub> Photoreduction. Advanced Functional Materials, 2022, 32, .	7.8	52
48	Toward High-Performance CO <sub>2</sub> to CH <sub>4</sub> Electroreduction via Linker Tuning on MOF-Derived Catalysts. Small, 2022, 18, e2200720.	5.2	15
49	Unraveling and tuning the linear correlation between CH <sub>4</sub> and C <sub>2</sub> production rates in CO <sub>2</sub> electroreduction. Science Bulletin, 2022, 67, 1042-1048.	4.3	11
50	Unprecedented Electroreduction of CO <sub>2</sub> over Metal Organic Framework-Derived Intermetallic Nano-Alloy Cu <sub>0.85</sub> Ni <sub>0.15</sub> /C. ACS Applied Energy Materials, 2022, 5, 4945-4955.	2.5	20
51	Enhanced CO <sub>2</sub> electroreduction to formate over tin coordination polymers via amino-functionalization. Journal of Power Sources, 2022, 529, 231252.	4.0	7
52	Self-reconstruction of paddle-wheel copper-node to facilitate the photocatalytic CO <sub>2</sub> reduction to ethane. Applied Catalysis B: Environmental, 2022, 310, 121320.	10.8	56
53	Constructing crystalline redox catalyst to achieve efficient CO <sub>2</sub> photoreduction reaction in water vapor. Chemical Engineering Journal, 2022, 442, 136157.	6.6	22
54	The Crystal Plane is not the Key Factor for CO <sub>2</sub> to Methane Electrosynthesis on Reconstructed Cu <sub>2</sub> O Microparticles. Angewandte Chemie, 2022, 134, .	1.6	1

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55	The Crystal Plane is not the Key Factor for CO <sub>2</sub> to Methane Electrosynthesis on Reconstructed Cu <sub>2</sub> O Microparticles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	69
56	Ga doping disrupts C-C coupling and promotes methane electroproduction on CuAl catalysts. <i>Chem Catalysis</i> , 2022, 2, 908-916.	2.9	24
57	Electrolytic Methane Production from Reactive Carbon Solutions. <i>ACS Energy Letters</i> , 2022, 7, 1712-1718.	8.8	23
58	Structural and interfacial engineering of well-defined metal-organic ensembles for electrocatalytic carbon dioxide reduction. <i>Chinese Journal of Catalysis</i> , 2022, 43, 1417-1432.	6.9	11
59	Flexible Cuprous Triazolate Frameworks as Highly Stable and Efficient Electrocatalysts for CO <sub>2</sub> Reduction with Tunable C <sub>2</sub> H <sub>4</sub> /CH <sub>4</sub> Selectivity. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	50
60	Flexible Cuprous Triazolate Frameworks as Highly Stable and Efficient Electrocatalysts for CO <sub>2</sub> Reduction with Tunable C <sub>2</sub> H <sub>4</sub> /CH <sub>4</sub> Selectivity. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
61	Interfacial Electron Delocalization in Engineering Nanosized Anti-Perovskite Nitride for Efficient CO <sub>2</sub> Electroreduction. <i>Chemistry of Materials</i> , 2022, 34, 5607-5620.	3.2	11
62	Metal-organic layers induce in situ nano-structuring of Cu surface in electrocatalytic CO <sub>2</sub> reduction. <i>Nano Research</i> , 2023, 16, 4554-4561.	5.8	4
63	Metal-Organic framework catalysts: A versatile platform for bioinspired electrochemical conversion of carbon dioxide. <i>Chemical Engineering Journal</i> , 2022, 446, 137311.	6.6	13
64	Redox-Active Crystalline Coordination Catalyst for Hybrid Electrocatalytic Methanol Oxidation and CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
65	Redox-Active Crystalline Coordination Catalyst for Hybrid Electrocatalytic Methanol Oxidation and CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
66	Mediating CO <sub>2</sub> Electroreduction Activity and Selectivity over Atomically Precise Copper Clusters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	44
67	Electrocatalysis CO <sub>2</sub> to Tunable Syngas upon Fe Clusters Catalyst Dispersed on Bamboo-like NCTs. <i>Inorganic Chemistry</i> , 2022, 61, 9375-9380.	1.9	6
68	Polydopamine Coating of a Metal-Organic Framework with Bi-Copper Sites for Highly Selective Electroreduction of CO <sub>2</sub> to C <sub>2+</sub> Products. <i>ACS Catalysis</i> , 2022, 12, 7986-7993.	5.5	37
69	2022 roadmap on low temperature electrochemical CO <sub>2</sub> reduction. <i>JPhys Energy</i> , 2022, 4, 042003.	2.3	76
70	Mediating CO <sub>2</sub> Electroreduction Activity and Selectivity over Atomically Precise Copper Clusters. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	8
71	Highly efficient multi-site synergistic catalysis of a polyoxovanadate-based metal-organic framework for benzylic C-H bond oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16514-16523.	5.2	16
72	Boosting the Electrocatalytic CO <sub>2</sub> Reduction Reaction by Nanostructured Metal Materials via Defects Engineering. <i>Nanomaterials</i> , 2022, 12, 2389.	1.9	9

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73	CoN <sub>5</sub> Sites Constructed by Anchoring Co Porphyrins on Vinylene-Linked Covalent Organic Frameworks for Electroreduction of Carbon Dioxide. <i>Small</i> , 2022, 18, .	5.2	23
74	Engineering Water Molecules Activation Center on Multisite Electrocatalysts for Enhanced CO <sub>2</sub> Methanation. <i>Journal of the American Chemical Society</i> , 2022, 144, 12807-12815.	6.6	74
75	Directed synthesis of an unusual uniform trimetallic hydrogen evolution catalyst by a pre-designed cobalt-bipy modified bivanadyl capped polymolybdate. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123403.	1.4	3
76	Porous copper cluster-based MOF with strong cuprophilic interactions for highly selective electrocatalytic reduction of CO <sub>2</sub> to CH <sub>4</sub> . <i>Nano Research</i> , 2022, 15, 10185-10193.	5.8	24
77	Atomically dispersed Co~Cu alloy reconstructed from metal-organic framework to promote electrochemical CO <sub>2</sub> methanation. <i>Nano Research</i> , 2023, 16, 3680-3686.	5.8	8
78	Challenges and Opportunities in Electrocatalytic CO <sub>2</sub> Reduction to Chemicals and Fuels. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	8
79	Rational Manipulation of Intermediates on Copper for CO <sub>2</sub> Electroreduction Toward Multicarbon Products. <i>Transactions of Tianjin University</i> , 2022, 28, 265-291.	3.3	16
80	Surface Co-Modification of Halide Anions and Potassium Cations Promotes High-Rate CO <sub>2</sub> to Ethanol Electrosynthesis. <i>Advanced Materials</i> , 2022, 34, .	11.1	26
81	Atomically Dispersed CuN <sub>x</sub> Sites from Thermal Activation of Boron Imidazolate Cages for Electrocatalytic Methane Generation. <i>ACS Applied Energy Materials</i> , 2023, 6, 9044-9056.	2.5	5
82	Super-Coordinated Nickel N <sub>4</sub> Ni <sub>1</sub> O <sub>2</sub> Site Single-Atom Catalyst for Selective H <sub>2</sub> O <sub>2</sub> Electrosynthesis at High Current Densities. <i>Angewandte Chemie</i> , 0, , .	1.6	0
83	Controllable States and Porosity of Cu-Carbon for CO <sub>2</sub> Electroreduction to Hydrocarbons. <i>Small</i> , 2022, 18, .	5.2	10
84	Super-Coordinated Nickel N <sub>4</sub> Ni <sub>1</sub> O <sub>2</sub> Site Single-Atom Catalyst for Selective H <sub>2</sub> O <sub>2</sub> Electrosynthesis at High Current Densities. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	46
85	Challenges and Opportunities in Electrocatalytic CO <sub>2</sub> Reduction to Chemicals and Fuels. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	62
86	A special Bi-S motif catalyst for highly selective CO <sub>2</sub> conversion to methanol. <i>Journal of Catalysis</i> , 2022, 413, 1077-1088.	3.1	5
87	Grain boundary and interface interaction Co-regulation promotes SnO <sub>2</sub> quantum dots for efficient CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , 2023, 451, 138477.	6.6	11
88	Catalyst Design for Electrolytic CO <sub>2</sub> Reduction Toward Low-Carbon Fuels and Chemicals. <i>Electrochemical Energy Reviews</i> , 2022, 5, .	13.1	16
89	The synthesis and near-infrared photothermal conversion of organometallic interdigitated complex and -type macrocycles. <i>Journal of Solid State Chemistry</i> , 2022, 315, 123521.	1.4	0
90	The Synthesis and Near-Infrared Photothermal Conversion of a Interdigitated Coordination Molecule. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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92	Electrocatalytic Reduction of Carbon Dioxide to High-Value Multicarbon Products with Metal-Organic Frameworks and Their Derived Materials. , 2022, 4, 2058-2079.		35
93	A Stable Metal-azolate Framework with Cyclic Tetracopper(I) Clusters for Highly Selective Electroreduction of CO <sub>2</sub> to C <sub>2</sub> Products. Chemistry - an Asian Journal, 0, , .	1.7	1
94	Atomically precise copper nanoclusters as ultrasmall molecular aggregates: Appealing compositions, structures, properties, and applications. Aggregate, 2023, 4, .	5.2	10
95	<i>In situ</i> resource utilization of lunar soil for highly efficient extraterrestrial fuel and oxygen supply. National Science Review, 2023, 10, .	4.6	2
96	TiO <sub>2</sub> -supported Single-atom Catalysts: Synthesis, Structure, and Application. Chemical Research in Chinese Universities, 2022, 38, 1123-1138.	1.3	14
97	Electrochemical C-C coupling between CO <sub>2</sub> and formaldehyde into ethanol. Chem Catalysis, 2022, 2, 3207-3224.	2.9	10
98	Advancing the Electrochemistry of Gas-involved Reactions through Theoretical Calculations and Simulations from Microscopic to Macroscopic. Advanced Functional Materials, 2022, 32, .	7.8	29
99	Aluminum-Doped Mesoporous Copper Oxide Nanofibers Enabling High-Efficiency CO <sub>2</sub> Electroreduction to Multicarbon Products. Chemistry of Materials, 2022, 34, 9023-9030.	3.2	8
100	Rational Design of Metal-Organic Frameworks for Electroreduction of CO <sub>2</sub> to Hydrocarbons and Carbon Oxygenates. ACS Central Science, 2022, 8, 1506-1517.	5.3	17
101	Toward Unifying the Mechanistic Concepts in Electrochemical CO <sub>2</sub> Reduction from an Integrated Material Design and Catalytic Perspective. Advanced Functional Materials, 2022, 32, .	7.8	15
102	Structures, Scaling Relations, and Selectivities of the Copper-Based Binary Catalysts for CO <sub>2</sub> Reduction Reactions. Journal of Physical Chemistry C, 2022, 126, 17966-17974.	1.5	1
103	Modulating the Electronic Structures of Dual-Atom Catalysts via Coordination Environment Engineering for Boosting CO <sub>2</sub> Electroreduction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	37
104	Modulating the Electronic Structures of Dual-Atom Catalysts via Coordination Environment Engineering for Boosting CO <sub>2</sub> Electroreduction. Angewandte Chemie, 0, , .	1.6	0
105	An unusual zig-zag 2D copper( <i>scp</i> ) coordination polymer as an outstanding catalyst for azide-alkyne <i>click</i> -chemistry at room temperature. Dalton Transactions, 2022, 51, 17543-17546.	1.6	3
106	Metal-oxide heterointerface synergistic effects of copper-zinc systems for highly selective CO <sub>2</sub> -to-CH <sub>4</sub> electrochemical conversion. Inorganic Chemistry Frontiers, 2022, 10, 168-173.	3.0	5
107	Electro-synthesis of Organic Compounds with Heterogeneous Catalysis. Advanced Science, 2023, 10, .	5.6	25
108	Solvent-mediated precipitating synthesis and optical properties of polyhydrido Cu <sub>13</sub> nanoclusters with four vertex-sharing tetrahedrons. Chemical Science, 2023, 14, 994-1002.	3.7	11

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109	A Conductive Dinuclear Cuprous Complex Mimicking the Active Edge Site of the Copper(100)/(111) Plane for Selective Electroreduction of CO <sub>2</sub> to C <sub>2</sub> H <sub>4</sub> at Industrial Current Density. <i>Research</i> , 2022, 2022, .	2.8	7
110	Multivalent ruthenium immobilized by self-supported NiFe-organic frameworks for efficient electrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2023, 11, 2769-2779.	5.2	21
111	Self-supported electrocatalysts for the hydrogen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2023, 7, 567-606.	3.2	33
112	Ferric ion substitution renders cadmium metal-organic framework derivatives for modulated Li storage based on local oxidation active centers. <i>Dalton Transactions</i> , 2023, 52, 754-762.	1.6	1
113	Electrochemical CO <sub>2</sub> Reduction. <i>RSC Green Chemistry</i> , 2022, , 362-387.	0.0	0
114	One-dimensional copper bromide based inorganic-organic hybrids as fuels for hypergolic bipropellants with hydrogen peroxide as oxidizer. <i>Chemical Engineering Journal</i> , 2023, 455, 140587.	6.6	2
115	Electronic Perturbation of Cu Single-Atom CO <sub>2</sub> Reduction Catalysts in a Molecular Way. <i>Angewandte Chemie</i> , 0, , .	1.6	1
116	Electronic Perturbation of Copper Single-Atom CO <sub>2</sub> Reduction Catalysts in a Molecular Way. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	24
117	A porous Ti-based metal-organic framework for CO <sub>2</sub> photoreduction and imidazole-dependent anhydrous proton conduction. <i>Chemical Communications</i> , 0, , .	2.2	1
118	Facilitated Photocatalytic CO <sub>2</sub> Reduction in Aerobic Environment on a Copper-Porphyrin Metal-Organic Framework. <i>Angewandte Chemie</i> , 0, , .	1.6	1
119	Facilitated Photocatalytic CO <sub>2</sub> Reduction in Aerobic Environment on a Copper-Porphyrin Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	21
120	Advances and challenges of electrolyzers for large-scale CO <sub>2</sub> electroreduction. <i>Materials Reports Energy</i> , 2023, 3, 100177.	1.7	7
121	Electrochemical CO <sub>2</sub> reduction with ionic liquids: review and evaluation. , 2023, 1, 410-430.		14
122	Identifying the optimal oxidation state of Cu for electrocatalytic reduction of CO <sub>2</sub> to C <sub>2+</sub> products. <i>Green Chemistry</i> , 2023, 25, 1326-1331.	4.6	15
123	Doping and pretreatment optimized the adsorption of *OCHO on bismuth for the electrocatalytic reduction of CO <sub>2</sub> to formate. <i>Nanoscale</i> , 2023, 15, 4477-4487.	2.8	4
124	Sulfonated covalent organic framework packed Nafion membrane with high proton conductivity for H <sub>2</sub> /O <sub>2</sub> fuel cell applications. <i>Journal of Materials Chemistry A</i> , 2023, 11, 3446-3453.	5.2	10
125	The Synergistic Promotion Effect of In-situ Formed Metal Cationic Vacancies and Interstitial Metals on Photocatalytic Performance of WO <sub>3</sub> in CO <sub>2</sub> Reduction. <i>ChemCatChem</i> , 2023, 15, .	1.8	1
126	Nitrogen-doped carbon nanofibers confined bismuth oxide nanocrystals boost high single-pass CO <sub>2</sub> -to-formate conversion in large area membrane electrode assembly electrolyzers. <i>Applied Surface Science</i> , 2023, 620, 156867.	3.1	0



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127	Crystalline-amorphous heterostructures with assortative strong-weak adsorption pairs enable extremely high water oxidation capability toward multi-scenario water electrolysis. Nano Energy, 2023, 110, 108349.	8.2	26
128	Reconstructed anti-poisoning surface for enhanced electrochemical CO <sub>2</sub> reduction on Cu-incorporated ZnO. Applied Catalysis B: Environmental, 2023, 330, 122665.	10.8	5
129	Vacuum treated amorphous MOF mixed matrix membrane for methane/nitrogen separation. Journal of Solid State Chemistry, 2023, 320, 123852.	1.4	2
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