Min Liu

List of Publications by Year
in descending order

253 papers	24,569 citations	9234 74 h-index	8138 148 g-index
256 all docs	256 docs citations	256 times ranked	23017 citing authors

#	Article	IF	Citations
1	CoN4 active sites in locally distorted carbon structure for efficient oxygen reduction reaction via regulating coordination environment. Chemical Engineering Journal, 2022, 429, 132119.	6.6	14
2	The synergistic interactions of reaction parameters in heterogeneous peroxymonosulfate oxidation: Reaction kinetic and catalytic mechanism. Journal of Hazardous Materials, 2022, 421, 126841.	6.5	24
3	Bimetallic atomic site catalysts for CO2 reduction reactions: a review. Environmental Chemistry Letters, 2022, 20, 243-262.	8.3	31
4	Optimizing Hydrogen Binding on Ru Sites with RuCo Alloy Nanosheets for Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	1.6	24
5	Unveiling the Role and Mechanism of Nb Doping and In Situ Carbon Coating on Improving Lithiumâ€ion Storage Characteristics of Rodâ€Like Morphology FeF₃Â·0.33H₂O. Small, 2022, 18, e2105193.	5.2	10
6	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
7	N,O-C Nanocage-mediated high-efficient hydrogen evolution reaction on IrNi@N,O-C electrocatalyst. Applied Catalysis B: Environmental, 2022, 304, 120996.	10.8	34
8	Novel ultra-high-temperature zero-thermal quenching plant-protecting type blue-green dual-emission KAl₁₁O₁₇:Eu²⁺,Mn²⁺ phosphors for urban ecological lighting. Journal of Materials Chemistry C, 2022, 10, 3461-3471.	2.7	19
9	Boosting CO₂ electroreduction towards C₂₊ products via CO* intermediate manipulation on copper-based catalysts. Environmental Science: Nano, 2022, 9, 911-953.	2.2	23
10	Identification of the active site during CF₄ hydrolytic decomposition over Î³-Al₂O₃. Environmental Science: Nano, 2022, 9, 954-963.	2.2	6
11	Hydroxyl radical induced from hydrogen peroxide by cobalt manganese oxides for ciprofloxacin degradation. Chinese Chemical Letters, 2022, 33, 5208-5212.	4.8	17
12	Engineering the Local Microenvironment over Bi Nanosheets for Highly Selective Electrocatalytic Conversion of CO₂ to HCOOH in Strong Acid. ACS Catalysis, 2022, 12, 2357-2364.	5.5	117
13	Electric-field promoted Câ€“C coupling over Cu nanoneedles for CO2 electroreduction to C2 products. Chinese Journal of Catalysis, 2022, 43, 519-525.	6.9	34
14	CO2 reduction reaction pathways on single-atom Co sites: Impacts of local coordination environment. Chinese Journal of Catalysis, 2022, 43, 832-838.	6.9	18
15	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
16	Nickel polyphthalocyanine with electronic localization at the nickel site for enhanced CO2 reduction reaction. Applied Catalysis B: Environmental, 2022, 306, 121093.	10.8	53
17	Accelerating CO₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€“Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	6.6	147
18	Ligand Engineering in Nickel Phthalocyanine to Boost the Electrocatalytic Reduction of CO₂. Advanced Functional Materials, 2022, 32, .	7.8	80

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19	Synergistic defect- and interfacial-engineering of a Bi₂S₃-based nanoplate network for high-performance photoelectrochemical solar water splitting. Journal of Materials Chemistry A, 2022, 10, 7830-7840.	5.2	13
20	Vertical Cu Nanoneedle Arrays Enhance the Local Electric Field Promoting C₂ Hydrocarbons in the CO₂ Electroreduction. Nano Letters, 2022, 22, 1963-1970.	4.5	95
21	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.	7.1	29
22	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. Nature Communications, 2022, 13, 2075.	5.8	197
23	Theoryâ€Guided Regulation of FeN₄Spin State by Neighboring Cu Atoms for Enhanced Oxygen Reduction Electrocatalysis in Flexible Metalâ€“Air Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	93
24	Single-Cell Identification, Drug Susceptibility Test, and Whole-genome Sequencing of Helicobacter pylori Directly from Gastric Biopsy by Clinical Antimicrobial Susceptibility Test Ramanometry. Clinical Chemistry, 2022, 68, 1064-1074.	1.5	16
25	Controlling Plasmonic Chemistry Pathways through Specific Ion Effects. Advanced Optical Materials, 2022, 10, .	3.6	10
26	Elucidating the Active-Phase Evolution of Fe-Based Catalysts during Isobutane Dehydrogenation with and without CO₂ in Feed Gas. ACS Catalysis, 2022, 12, 5930-5938.	5.5	10
27	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
28	Design of highly stable metal/ZSM-5 catalysts for the shape-selective alkylation of toluene with methanol to para-xylene. Inorganic Chemistry Frontiers, 2022, 9, 3348-3358.	3.0	9
29	p-Block Indium Single-Atom Catalyst with Low-Coordinated Inâ€“N Motif for Enhanced Electrochemical CO₂ Reduction. ACS Catalysis, 2022, 12, 7386-7395.	5.5	53
30	Unveiling the Protonâ€Feeding Effect in Sulfurâ€Doped Feâ€'Nâ€'C Singleâ€Atom Catalyst for Enhanced CO₂ Electroreduction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	126
31	In Situ Structural Reconstruction to Generate the Active Sites for CO₂ Electroreduction on Bismuth Ultrathin Nanosheets. Advanced Energy Materials, 2022, 12, .	10.2	40
32	Cu-based bimetallic catalysts for CO2 reduction reaction. , 2022, 1, 100023.		20
33	Unveiling the Protonâ€Feeding Effect in Sulfurâ€Doped Feâ€'Nâ€'C Singleâ€Atom Catalyst for Enhanced CO₂ Electroreduction. Angewandte Chemie, 2022, 134, .	1.6	7
34	Asymmetric Cu-N sites on copper oxide photocathode for photoelectrochemical CO2 reduction towards C2 products. Applied Catalysis B: Environmental, 2022, 316, 121616.	10.8	17
35	Narrow band-gapped perovskite oxysulfide for CO2 photoreduction towards ethane. Applied Catalysis B: Environmental, 2022, 316, 121615.	10.8	15
36	Borate narrowed band gap of nickel-iron layer double hydroxide to mediate rapid reconstruction kinetics for water oxidation. Applied Catalysis B: Environmental, 2022, 317, 121713.	10.8	42

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37	Vertical SrNbO₂N Nanorod Arrays for Solarâ€Driven Photoelectrochemical Water Splitting. Solar Rrl, 2021, 5, 2000448.	3.1	10
38	Highly dispersed Fe-Nx active sites on Graphitic-N dominated porous carbon for synergetic catalysis of oxygen reduction reaction. Carbon, 2021, 171, 1-9.	5.4	46
39	Recent Advances in Strategies for Improving the Performance of CO₂ Reduction Reaction on Single Atom Catalysts. Small Science, 2021, 1, 2000028.	5.8	57
40	Enhanced Gas Separation Performance by Embedding Submicron Poly(ethylene glycol) Capsules into Polyetherimide Membrane. Chinese Journal of Polymer Science (English Edition), 2021, 39, 355-364.	2.0	4
41	Dual-functional CuO/CN for highly efficient solar evaporation and water purification. Separation and Purification Technology, 2021, 254, 117611.	3.9	47
42	Synthesis of Pd0.01FexCe(1â^'x)/2Zr(1â^'x)/2Oy catalysts and their catalytic performance for ammonia production by passive SCR reaction. New Journal of Chemistry, 2021, 45, 5002-5012.	1.4	1
43	CoS₂ needle arrays induced a local pseudo-acidic environment for alkaline hydrogen evolution. Nanoscale, 2021, 13, 13604-13609.	2.8	37
44	Insights into the development of Cu-based photocathodes for carbon dioxide (CO₂) conversion. Green Chemistry, 2021, 23, 3207-3240.	4.6	26
45	The progress of nanomaterials for carbon dioxide capture via the adsorption process. Environmental Science: Nano, 2021, 8, 890-912.	2.2	28
46	Modulating electronic structure of metal-organic frameworks by introducing atomically dispersed Ru for efficient hydrogen evolution. Nature Communications, 2021, 12, 1369.	5.8	360
47	Kinetics simulation of propylene epoxidation over different Ti species in TS â€1. AICHE Journal, 2021, 67, e17261.	1.8	5
48	2021 Roadmap: electrocatalysts for green catalytic processes. JPhys Materials, 2021, 4, 022004.	1.8	57
49	Defect-Induced Ce-Doped Bi₂WO₆ for Efficient Electrocatalytic N₂ Reduction. ACS Applied Materials & Interfaces, 2021, 13, 19864-19872.	4.0	59
50	Paired Ruâ€'Oâ€'Mo ensemble for efficient and stable alkaline hydrogen evolution reaction. Nano Energy, 2021, 82, 105767.	8.2	86
51	Tuning Charge Distribution of FeN₄ via External N for Enhanced Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 6304-6315.	5.5	114
52	Designing nitrogen and phosphorus co-doped graphene quantum dots/g-C3N4 heterojunction composites to enhance visible and ultraviolet photocatalytic activity. Applied Surface Science, 2021, 548, 149211.	3.1	32
53	Nitrogen-doped carbon with high graphitic-N exposure for electroreduction of CO2 to CO. Ionics, 2021, 27, 3089-3098.	1.2	12
54	Pseudo-copper Ni-Zn alloy catalysts for carbon dioxide reduction to C2 products. Frontiers of Physics, 2021, 16, 1.	2.4	19

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55	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.	7.2	150
56	Metal-molecule charge transfer through Fermi level equilibration in plasmonic systems. , 2021, , .		0
57	Dual Inorganic Sacrificial Template Synthesis of Hierarchically Porous Carbon with Specific N Sites for Efficient Oxygen Reduction. ACS Applied Materials & Interfaces, 2021, 13, 28140-28149.	4.0	12
58	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.	1.6	34
59	Insights into the critical dual-effect of acid treatment on ZnxCd1-xS for enhanced photocatalytic production of syngas under visible light. Applied Catalysis B: Environmental, 2021, 288, 119976.	10.8	41
60	Activation of CO2 on graphitic carbon nitride supported single-atom cobalt sites. Chemical Engineering Journal, 2021, 415, 128982.	6.6	76
61	Unveiling Role of Sulfate Ion in Nickelâ€Iron (oxy)Hydroxide with Enhanced Oxygenâ€Evolving Performance. Advanced Functional Materials, 2021, 31, 2102772.	7.8	158
62	Fermi Level Equilibration at the Metalâ€“Molecule Interface in Plasmonic Systems. Nano Letters, 2021, 21, 6592-6599.	4.5	25
63	Tuning Interfacial Active Sites over Porous Mo₂N-Supported Cobalt Sulfides for Efficient Hydrogen Evolution Reactions in Acid and Alkaline Electrolytes. ACS Applied Materials & Interfaces, 2021, 13, 41573-41583.	4.0	30
64	Intermediate enrichment effect of porous Cu catalyst for CO2 electroreduction to C2 fuels. Electrochimica Acta, 2021, 388, 138552.	2.6	22
65	Polarized optical properties of hollowed-out 2D-gold-nanosheets studied using FDTD simulations. AIP Advances, 2021, 11, 085026.	0.6	2
66	Effects of the Pore Structure and Acidâ€“Base Property of X Zeolites on Side-Chain Alkylation of Toluene with Methanol. Industrial & Engineering Chemistry Research, 2021, 60, 14381-14396.	1.8	8
67	Predicting scalar coupling constants by graph angle-attention neural network. Scientific Reports, 2021, 11, 18686.	1.6	4
68	Microenvironmental Feeding and Stabilization of C₂H₄ Intermediates by Iodide-Doped Copper Nanowire Arrays to Boost C₂H₆ Formation. Energy & Fuels, 2021, 35, 15987-15994.	2.5	12
69	A neutral polysulfide/ferricyanide redox flow battery. IScience, 2021, 24, 103157.	1.9	26
70	Tuning the electron structure enables the NiZn alloy for CO2 electroreduction to formate. Journal of Energy Chemistry, 2021, 63, 625-632.	7.1	38
71	Lowâ€Valence Zn^{Î´+} (0<Î´<2) Singleâ€Atom Material as Highly Efficient Electrocatalyst for CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 22826-22832.	7.2	115
72	Lowâ€Valence Zn^{Î´+} (0<Î´<2) Singleâ€Atom Material as Highly Efficient Electrocatalyst for CO₂ Reduction. Angewandte Chemie, 2021, 133, 23008-23014.	1.6	12

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73	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie, 2021, 133, 25445-25449.	1.6	22
74	Atomically Dispersed sâ€Block Magnesium Sites for Electroreduction of CO₂ to CO. Angewandte Chemie - International Edition, 2021, 60, 25241-25245.	7.2	104
75	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.	6.9	56
76	Dual active sites fabricated through atomic layer deposition of TiO₂ on MoS₂ nanosheet arrays for highly efficient electroreduction of CO₂ to ethanol. Journal of Materials Chemistry A, 2021, 9, 6790-6796.	5.2	22
77	Lithium doped nickel oxide nanocrystals with a tuned electronic structure for oxygen evolution reaction. Chemical Communications, 2021, 57, 6070-6073.	2.2	22
78	Efficient three-phase electrocatalytic CO₂ reduction to formate on superhydrophobic Biâ€“C interfaces. Chemical Communications, 2021, 57, 6011-6014.	2.2	10
79	Machine Learning in Screening High Performance Electrocatalysts for CO₂ Reduction. Small Methods, 2021, 5, e2100987.	4.6	60
80	Torsion strained iridium oxide for efficient acidic water oxidation in proton exchange membrane electrolyzers. Nature Nanotechnology, 2021, 16, 1371-1377.	15.6	197
81	Design and Facile Synthesis of Highly Efficient and Durable Bifunctional Oxygen Electrocatalyst Feâ€“N_x/C Nanocages for Rechargeable Zinc-Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 54032-54042.	4.0	14
82	Serpentine CoxNi3-xGe2O5(OH)4 nanosheets with tuned electronic energy bands for highly efficient oxygen evolution reaction in alkaline and neutral electrolytes. Applied Catalysis B: Environmental, 2020, 260, 118184.	10.8	28
83	An effective method for enhancing oxygen evolution kinetics of LaMO3 (Mâ€¯=â€¯Ni, Co, Mn) perovskite catalysts and its application to a rechargeable zincâ€“air battery. Applied Catalysis B: Environmental, 2020, 262, 118291.	10.8	75
84	Product selectivity of photocatalytic CO2 reduction reactions. Materials Today, 2020, 32, 222-243.	8.3	719
85	Surfactant-assisted controlled synthesis of a metal-organic framework on Fe2O3 nanorod for boosted photoelectrochemical water oxidation. Chemical Engineering Journal, 2020, 379, 122256.	6.6	64
86	Recent advances in the utilization of copper sulfide compounds for electrochemical CO2 reduction. Nano Materials Science, 2020, 2, 235-247.	3.9	45
87	Metallic MoO₂â€Modified Graphitic Carbon Nitride Boosting Photocatalytic CO₂Reduction via Schottky Junction. Solar Rrl, 2020, 4, 1900416.	3.1	59
88	Single-atom transition metals supported on black phosphorene for electrochemical nitrogen reduction. Nanoscale, 2020, 12, 4903-4908.	2.8	107
89	Graphitic carbon nitride based single-atom photocatalysts. Frontiers of Physics, 2020, 15, 1.	2.4	72
90	Co single-atoms on ultrathin N-doped porous carbon via a biomass complexation strategy for high performance metalâ€“air batteries. Journal of Materials Chemistry A, 2020, 8, 2131-2139.	5.2	68

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91	Tailoring the structure of supported Î´-MnO2 nanosheets to raise pseudocapacitance by surface-modified carbon cloth. Journal of Power Sources, 2020, 449, 227507.	4.0	19
92	Dopants fixation of Ruthenium for boosting acidic oxygen evolution stability and activity. Nature Communications, 2020, 11, 5368.	5.8	217
93	Vertical 0Dâ€Perovskite/2Dâ€MoS₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectricâ€Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics. Small, 2020, 16, e2005217.	5.2	87
94	Neuromorphic Photoelectric Devices: Vertical 0Dâ€Perovskite/2Dâ€MoS₂ van der Waals Heterojunction Phototransistor for Emulating Photoelectricâ€Synergistically Classical Pavlovian Conditioning and Neural Coding Dynamics (Small 45/2020). Small, 2020, 16, 2070244.	5.2	2
95	Highly stable TS-1 extrudates for 1-butene epoxidation through improving the heat conductivity. Catalysis Science and Technology, 2020, 10, 6152-6160.	2.1	9
96	Hierarchical 2D yarn-ball like metalâ€“organic framework NiFe(dobpdc) as bifunctional electrocatalyst for efficient overall electrocatalytic water splitting. Journal of Materials Chemistry A, 2020, 8, 22974-22982.	5.2	43
97	Modulating Charge Transfer Efficiency of Hematite Photoanode with Hybrid Dualâ€Metalâ€“Organic Frameworks for Boosting Photoelectrochemical Water Oxidation. Advanced Science, 2020, 7, 2002563.	5.6	56
98	Band-Gap Engineering of FeF₃·0.33H₂O Nanosphere via Ni Doping as a High-Performance Lithium-Ion Battery Cathode. ACS Sustainable Chemistry and Engineering, 2020, 8, 15651-15660.	3.2	26
99	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. Nature Communications, 2020, 11, 4173.	5.8	358
100	Accelerated discovery of CO2 electrocatalysts using active machine learning. Nature, 2020, 581, 178-183.	13.7	807
101	Enhancing CO₂ reduction by suppressing hydrogen evolution with polytetrafluoroethylene protected copper nanoneedles. Journal of Materials Chemistry A, 2020, 8, 15936-15941.	5.2	78
102	â€œPlantingâ€•MOF nanotube on Chinese Xuan Paper derived 3D carbon paper: An efficient positive electrode for Ni-Zn battery. Journal of Solid State Chemistry, 2020, 289, 121473.	1.4	5
103	YAG:Ce³⁺ Transparent Ceramic Phosphors Brighten the Nextâ€Generation Laserâ€Driven Lighting. Advanced Materials, 2020, 32, e1907888.	11.1	323
104	Hierarchical Nanorods of MoS₂/MoP Heterojunction for Efficient Electrocatalytic Hydrogen Evolution Reaction. Small, 2020, 16, e2002482.	5.2	85
105	Plasma-treatment induced H2O dissociation for the enhancement of photocatalytic CO2 reduction to CH4 over graphitic carbon nitride. Applied Surface Science, 2020, 508, 145173.	3.1	44
106	Exploration of the Synergy Between 2D Nanosheets and a Non-2D Filler in Mixed Matrix Membranes for Gas Separation. Frontiers in Chemistry, 2020, 8, 58.	1.8	22
107	FDTD simulation of the optical properties for a gold nanoparticle-over-nanosheet hybrid structure. Current Applied Physics, 2020, 20, 391-399.	1.1	14
108	Tuning morphology and structure of Feâ€“Nâ€“C catalyst for ultra-high oxygen reduction reaction activity. International Journal of Hydrogen Energy, 2020, 45, 6380-6390.	3.8	22

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109	Hydrationâ€Effectâ€Promoting Niâ€“Fe Oxyhydroxide Catalysts for Neutral Water Oxidation. Advanced Materials, 2020, 32, e1906806.	11.1	62
110	Visible-light-driven photocatalysis via reductant-to-band charge transfer in Cr(III) nanocluster-loaded SrTiO3 system. Applied Catalysis B: Environmental, 2020, 270, 118883.	10.8	16
111	Tracking dynamic evolution of catalytic active sites in photocatalytic CO2 reduction by in situ time-resolved spectroscopy. Rare Metals, 2020, 39, 607-609.	3.6	39
112	Constructing Conductive Interfaces between Nickel Oxide Nanocrystals and Polymer Carbon Nitride for Efficient Electrocatalytic Oxygen Evolution Reaction. Advanced Functional Materials, 2019, 29, 1904020.	7.8	140
113	Single iron atoms stabilized by microporous defects of biomass-derived carbon aerogels as high-performance cathode electrocatalysts for aluminumâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 20840-20846.	5.2	68
114	Hierarchical TiO2 nanorods with a highly active surface for photocatalytic CO2 reduction. Journal of Central South University, 2019, 26, 1503-1509.	1.2	10
115	Graphitic Carbon Nitride with Dopant Induced Charge Localization for Enhanced Photoreduction of CO₂ to CH₄. Advanced Science, 2019, 6, 1900796.	5.6	251
116	Quantum-Dot-Derived Catalysts for CO2 Reduction Reaction. Joule, 2019, 3, 1703-1718.	11.7	106
117	Missing-linker metal-organic frameworks for oxygen evolution reaction. Nature Communications, 2019, 10, 5048.	5.8	422
118	Chirality Induces the Self-Assembly To Generate a 3D Porous Spiral-like Polyhedron as Metal-Free Electrocatalysts for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 45596-45605.	4.0	15
119	Hybrids of PtRu Nanoclusters and Black Phosphorus Nanosheets for Highly Efficient Alkaline Hydrogen Evolution Reaction. ACS Catalysis, 2019, 9, 10870-10875.	5.5	86
120	Porous Copper Microspheres for Selective Production of Multicarbon Fuels via CO₂ Electroreduction. Small, 2019, 15, e1902582.	5.2	23
121	Multivariate Temporal Convolutional Network: A Deep Neural Networks Approach for Multivariate Time Series Forecasting. Electronics (Switzerland), 2019, 8, 876.	1.8	168
122	A Facile Strategy to Prepare Shaped ZSM-5 Catalysts with Enhanced Para-Xylene Selectivity and Stability for Toluene Methylation: The Effect of In Situ Modification by Attapulgite. Molecules, 2019, 24, 3462.	1.7	11
123	Oxygen-Deficient Nanofiber WO_{3â€“x}/WO₃ Homojunction Photoanodes Synthesized via a Novel Metal Self-Reducing Method. ACS Applied Materials & Interfaces, 2019, 11, 39951-39960.	4.0	32
124	New strategy for designing orangish-red-emitting phosphor via oxygen-vacancy-induced electronic localization. Light: Science and Applications, 2019, 8, 15.	7.7	263
125	Defect-rich and ultrathin N doped carbon nanosheets as advanced trifunctional metal-free electrocatalysts for the ORR, OER and HER. Energy and Environmental Science, 2019, 12, 322-333.	15.6	1,078
126	A large-scale, flexible and two-dimensional AuNP/NS as a highly active and homogeneous SERS substrate. Applied Physics Express, 2019, 12, 075005.	1.1	5

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127	Hierarchical nanotubes constructed from CoSe2 nanorods with an oxygen-rich surface for an efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 15073-15078.	5.2	47
128	One-step fabrication of flexible, durable and fluorine-free superhydrophobic cotton fabrics for efficient oil/water separation. Cellulose, 2019, 26, 6349-6363.	2.4	31
129	Recent advances in different-dimension electrocatalysts for carbon dioxide reduction. Journal of Colloid and Interface Science, 2019, 550, 17-47.	5.0	26
130	Low-overpotential selective reduction of CO2 to ethanol on electrodeposited Cu Au nanowire arrays. Journal of Energy Chemistry, 2019, 37, 176-182.	7.1	66
131	Untying thioether bond structures enabled by â€œvoltage-scissorsâ€•for stable room temperature sodiumâ€“sulfur batteries. Nanoscale, 2019, 11, 5967-5973.	2.8	66
132	Interfacial Electronic Structure Modulation of NiTe Nanoarrays with NiS Nanodots Facilitates Electrocatalytic Oxygen Evolution. Advanced Materials, 2019, 31, e1900430.	11.1	298
133	Superhydrophobic/superoleophilic cotton fabrics treated with hybrid coatings for oil/water separation. Advanced Composites and Hybrid Materials, 2019, 2, 254-265.	9.9	54
134	Bismuth vanadate single crystal particles modified with tungsten for efficient photoeletrochemical water oxidation. Catalysis Today, 2019, 335, 511-519.	2.2	12
135	Overcoating the Surface of Fe-Based Catalyst with ZnO and Nitrogen-Doped Carbon toward High Selectivity of Light Olefins in CO₂ Hydrogenation. Industrial & Engineering Chemistry Research, 2019, 58, 4017-4023.	1.8	35
136	Hybrid TaON/LaTiO2N photoelectrode for water oxidation. Transportation Safety and Environment, 2019, 1, 212-219.	1.1	5
137	The critical role of alkali cations in synthesizing Bi5FeTi3O15 nanocrystals. Journal of Materials Science, 2019, 54, 1948-1957.	1.7	5
138	Chemoselective hydrogenation of nitrobenzenes activated with tuned Au/h-BN. Journal of Catalysis, 2019, 370, 55-60.	3.1	48
139	Strong Electron Coupling from the Sub-Nanometer Pd Clusters Confined in Porous Ceria Nanorods for Highly Efficient Electrochemical Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 966-973.	2.5	39
140	Multi-site electrocatalysts for hydrogen evolution in neutral media by destabilization of water molecules. Nature Energy, 2019, 4, 107-114.	19.8	470
141	Boosting oxygen reduction activity of Fe-N-C by partial copper substitution to iron in Al-air batteries. Applied Catalysis B: Environmental, 2019, 242, 209-217.	10.8	121
142	Nanowrinkled Carbon Aerogels Embedded with FeNx Sites as Effective Oxygen Electrodes for Rechargeable Zinc-Air Battery. Research, 2019, 2019, 6813585.	2.8	29
143	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. Nature Photonics, 2018, 12, 159-164.	15.6	303
144	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. Nature Nanotechnology, 2018, 13, 456-462.	15.6	252

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145	Multi-dimensional CuO nanorods supported CoMoO4 nanosheets heterostructure as binder free and high stable electrode for supercapacitor. Journal of Materials Science: Materials in Electronics, 2018, 29, 10353-10361.	1.1	15
146	UV-blocking, superhydrophobic and robust cotton fabrics fabricated using polyvinylsilsesquioxane and nano-TiO2. Cellulose, 2018, 25, 3635-3647.	2.4	59
147	Ultrasmall CoP Nanoparticles as Efficient Cocatalysts for Photocatalytic Formic Acid Dehydrogenation. Joule, 2018, 2, 549-557.	11.7	126
148	Theory-driven design of high-valence metal sites for water oxidation confirmed using in situ soft X-ray absorption. Nature Chemistry, 2018, 10, 149-154.	6.6	476
149	Reducing the Cost of Zincâ€“Oxygen Batteries by Oxygen Recycling. Energy Technology, 2018, 6, 246-250.	1.8	3
150	Solution evaporation processed high quality perovskite films. Science Bulletin, 2018, 63, 1591-1596.	4.3	34
151	Serpentine Ni₃Ge₂O₅(OH)₄ Nanosheets with Tailored Layers and Size for Efficient Oxygen Evolution Reactions. Small, 2018, 14, e1803015.	5.2	24
152	In Situ Aluminum Migration into Zeolite Framework during Methanol-To-Propylene Reaction: An Innovation To Design Superior Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 8190-8199.	1.8	18
153	Selective CO₂ Hydrogenation to Hydrocarbons on Cu-Promoted Fe-Based Catalysts: Dependence on Cuâ€“Fe Interaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 10182-10190.	3.2	95
154	Direct Transformation of Carbon Dioxide to Value-Added Hydrocarbons by Physical Mixtures of Fe₅C₂ and K-Modified Al₂O₃. Industrial & Engineering Chemistry Research, 2018, 57, 9120-9126.	1.8	56
155	Extended Near-Infrared Photoactivity of Bi6Fe1.9Co0.1Ti3O18 by Upconversion Nanoparticles. Nanomaterials, 2018, 8, 534.	1.9	10
156	Dopant-induced electron localization drives CO2 reduction to C2 hydrocarbons. Nature Chemistry, 2018, 10, 974-980.	6.6	781
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