

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146 papers	12,904 citations	51 h-index	112 g-index
164 ext. papers	16,866 ext. citations	8.9 avg, IF	7.03 L-index

#	Paper	IF	Citations
146	Self-supported nanoporous cobalt phosphide nanowire arrays: an efficient 3D hydrogen-evolving cathode over the wide range of pH 0-14. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7587-90	16.4	1859
145	Recent Progress in Cobalt-Based Heterogeneous Catalysts for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2016 , 28, 215-30	24	1708
144	A cost-effective 3D hydrogen evolution cathode with high catalytic activity: FeP nanowire array as the active phase. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12855-9	16.4	736
143	Self-supported Cu ₃ P nanowire arrays as an integrated high-performance three-dimensional cathode for generating hydrogen from water. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9577-81	16.4	720
142	Self-Supported FeP Nanorod Arrays: A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity. <i>ACS Catalysis</i> , 2014 , 4, 4065-4069	13.1	356
141	Mo ₂ C Nanoparticles Decorated Graphitic Carbon Sheets: Biopolymer-Derived Solid-State Synthesis and Application as an Efficient Electrocatalyst for Hydrogen Generation. <i>ACS Catalysis</i> , 2014 , 4, 2658-2669	13.1	295
140	A Fe-doped Ni ₃ S ₂ particle film as a high-efficiency robust oxygen evolution electrode with very high current density. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23207-23212	13	256
139	CoP Nanosheet Arrays Supported on a Ti Plate: An Efficient Cathode for Electrochemical Hydrogen Evolution. <i>Chemistry of Materials</i> , 2014 , 26, 4326-4329	9.6	255
138	Greatly Improving Electrochemical N Reduction over TiO Nanoparticles by Iron Doping. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18449-18453	16.4	250
137	A series of furan-aromatic polyesters synthesized via direct esterification method based on renewable resources. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1026-1036	2.5	224
136	High-Performance N-to-NH Conversion Electrocatalyzed by MoC Nanorod. <i>ACS Central Science</i> , 2019 , 5, 116-121	16.8	223
135	CoP nanostructures with different morphologies: synthesis, characterization and a study of their electrocatalytic performance toward the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14634	13	205
134	High-Efficiency Electrochemical Hydrogen Evolution Catalyzed by Tungsten Phosphide Submicroparticles. <i>ACS Catalysis</i> , 2015 , 5, 145-149	13.1	200
133	Cobalt phosphide nanowires: efficient nanostructures for fluorescence sensing of biomolecules and photocatalytic evolution of dihydrogen from water under visible light. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5493-7	16.4	196
132	Self-supported NiMo hollow nanorod array: an efficient 3D bifunctional catalytic electrode for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20056-20059	13	189
131	Identifying the Origin of Ti Activity toward Enhanced Electrocatalytic N Reduction over TiO Nanoparticles Modulated by Mixed-Valent Copper. <i>Advanced Materials</i> , 2020 , 32, e2000299	24	171
130	Ti ₃ C ₂ T _x (T = F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N ₂ to NH ₃ . <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24031-24035	13	169

129	CoSe ₂ nanowires array as a 3D electrode for highly efficient electrochemical hydrogen evolution. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3877-81	9.5	160
128	Aqueous electrocatalytic N ₂ reduction for ambient NH ₃ synthesis: recent advances in catalyst development and performance improvement. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1545-1556	13	158
127	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. <i>Small</i> , 2019 , 15, e1805103	11	153
126	A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity: FeP Nanowire Array as the Active Phase. <i>Angewandte Chemie</i> , 2014 , 126, 13069-13073	3.6	141
125	S-Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N ₂ Fixation to NH ₃ . <i>Small Methods</i> , 2019 , 3, 1800251	12.8	135
124	In Situ Growth of NiSe Nanowire Film on Nickel Foam as an Electrode for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 1903-1907	4.3	132
123	3D macroporous MoS ₂ thin film: in situ hydrothermal preparation and application as a highly active hydrogen evolution electrocatalyst at all pH values. <i>Electrochimica Acta</i> , 2015 , 168, 133-138	6.7	128
122	Template-assisted synthesis of CoP nanotubes to efficiently catalyze hydrogen-evolving reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14812-14816	13	125
121	Electrodeposition of nickel phosphorus nanoparticles film as a Janus electrocatalyst for electro-splitting of water. <i>Journal of Power Sources</i> , 2015 , 299, 342-346	8.9	101
120	Mn O Nanocube: An Efficient Electrocatalyst Toward Artificial N Fixation to NH. <i>Small</i> , 2018 , 14, e1803111	11	100
119	A cobalt phosphorus nanoparticle decorated N-doped carbon nanosheet array for efficient and durable hydrogen evolution at alkaline pH. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3884-3887	5.8	94
118	Boron-Doped TiO ₂ for Efficient Electrocatalytic N ₂ Fixation to NH ₃ at Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 117-122	8.3	94
117	Electrocatalytic Hydrogenation of N to NH by MnO: Experimental and Theoretical Investigations. <i>Advanced Science</i> , 2019 , 6, 1801182	13.6	92
116	Defect-rich fluorographene nanosheets for artificial N fixation under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 4266-4269	5.8	87
115	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. <i>Small Structures</i> , 2021 , 2, 2000048	8.7	86
114	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. <i>Nano Research</i> , 2021 , 14, 555-569	10	84
113	CrO Nanoparticle-Reduced Graphene Oxide Hybrid: A Highly Active Electrocatalyst for N Reduction at Ambient Conditions. <i>Inorganic Chemistry</i> , 2019 , 58, 2257-2260	5.1	79
112	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10583-10587	16.4	76

111	Highly Selective Electrochemical Reduction of CO to Alcohols on an FeP Nanoarray. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 758-762	16.4	73
110	Enhancing Electrocatalytic N ₂ Reduction to NH ₃ by CeO ₂ Nanorod with Oxygen Vacancies. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2889-2893	8.3	71
109	Rapid, sensitive, and selective fluorescent DNA detection using iron-based metal-organic framework nanorods: Synergies of the metal center and organic linker. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 1-6	11.8	70
108	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. <i>Nanoscale</i> , 2020 , 12, 5359-5362	7.7	68
107	Interconnected Co-Entrapped, N-Doped Carbon Nanotube Film as Active Hydrogen Evolution Cathode over the Whole pH Range. <i>ChemSusChem</i> , 2015 , 8, 1850-5	8.3	67
106	Mn ₃ O ₄ nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N ₂ fixation to NH ₃ at ambient conditions. <i>Nano Research</i> , 2019 , 12, 1093-1098	10	66
105	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 5411-5415	7.3	63
104	Porous LaFeO ₃ nanofiber with oxygen vacancies as an efficient electrocatalyst for N ₂ conversion to NH ₃ under ambient conditions. <i>Journal of Energy Chemistry</i> , 2020 , 50, 402-408	12	62
103	One-step electrodeposition fabrication of graphene film-confined WS ₂ nanoparticles with enhanced electrochemical catalytic activity for hydrogen evolution. <i>Electrochimica Acta</i> , 2014 , 134, 8-12	6.7	61
102	A NiCo LDH nanosheet array on graphite felt: an efficient 3D electrocatalyst for the oxygen evolution reaction in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	60
101	Rational design of carbon materials as anodes for potassium-ion batteries. <i>Energy Storage Materials</i> , 2021 , 34, 483-507	19.4	59
100	A hierarchical CuO@NiCo layered double hydroxide core-shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> ,	6.8	57
99	Ambient electrochemical NH ₃ synthesis from N ₂ and water enabled by ZrO ₂ nanoparticles. <i>Chemical Communications</i> , 2020 , 56, 3673-3676	5.8	54
98	Noble-metal-free electrocatalysts toward H ₂ O ₂ production. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 23123-23141	13	53
97	A magnetron sputtered Mo ₃ Si thin film: an efficient electrocatalyst for N ₂ reduction under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 884-888	13	53
96	A Biomass-Derived Carbon-Based Electrocatalyst for Efficient N Fixation to NH ₃ under Ambient Conditions. <i>Chemistry - A European Journal</i> , 2019 , 25, 1914-1917	4.8	51
95	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6650-6670	13	48
94	One-step solvothermal synthesis of MoS ₂ /TiO ₂ nanocomposites with enhanced photocatalytic H ₂ production. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	46

93	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	46
92	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N ₂ -to-NH ₃ fixation by a CoP nanoarray. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13861-13866	13	45
91	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS ₂ nanosheets. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6117-6122	13	45
90	Commercial indium-tin oxide glass: A catalyst electrode for efficient N ₂ reduction at ambient conditions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1024-1029	11.3	44
89	Sn dendrites for electrocatalytic N ₂ reduction to NH ₃ under ambient conditions. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 4469-4472	5.8	43
88	Electrocatalytic N ₂ Fixation over Hollow VO ₂ Microspheres at Ambient Conditions. <i>ChemElectroChem</i> , 2019 , 6, 1014-1018	4.3	43
87	Recent advances in strategies for highly selective electrocatalytic N ₂ reduction toward ambient NH ₃ synthesis. <i>Current Opinion in Electrochemistry</i> , 2021 , 29, 100766	7.2	43
86	PH-driven dissolution/precipitation: a novel route toward ultrathin Ni(OH) ₂ nanosheets array on nickel foam as binder-free anode for Li-ion batteries with ultrahigh capacity. <i>CrystEngComm</i> , 2013 , 15, 8300	3.3	42
85	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25263-25268	16.4	42
84	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. <i>Green Chemistry</i> , 2021 , 23, 2834-2867	10	40
83	Constructing a hollow microflower-like ZnS/CuS@C heterojunction as an effective ion-transport booster for an ultrastable and high-rate sodium storage anode. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6402-6412	13	39
82	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. <i>Advanced Functional Materials</i> , 2020 , 30, 2002731	15.6	38
81	CuO@CoFe Layered Double Hydroxide Core-Shell Heterostructure as an Efficient Water Oxidation Electrocatalyst under Mild Alkaline Conditions. <i>Inorganic Chemistry</i> , 2020 , 59, 9491-9495	5.1	37
80	TiB ₂ thin film enabled efficient NH ₃ electrosynthesis at ambient conditions. <i>Materials Today Physics</i> , 2021 , 18, 100396	8	37
79	NiFe Layered-Double-Hydroxide Nanosheet Arrays on Graphite Felt: A 3D Electrocatalyst for Highly Efficient Water Oxidation in Alkaline Media. <i>Inorganic Chemistry</i> , 2021 , 60, 12703-12708	5.1	36
78	Ambient electrochemical N ₂ -to-NH ₃ fixation enabled by Nb ₂ O ₅ nanowire array. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 423-427	6.8	33
77	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N ₂ Reduction Reaction under Ambient Condition. <i>Small Science</i> , 2021 , 1, 2000069		33
76	CuS concave polyhedral superstructures enabled efficient N ₂ electroreduction to NH ₃ at ambient conditions. <i>Inorganic Chemistry Frontiers</i> ,	6.8	32

75	TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41715-41722	9.5	32
74	Greatly Improving Electrochemical N ₂ Reduction over TiO ₂ Nanoparticles by Iron Doping. <i>Angewandte Chemie</i> , 2019 , 131, 18620-18624	3.6	31
73	La ₂ O ₃ nanoplate: An efficient electrocatalyst for artificial N ₂ fixation to NH ₃ with excellent selectivity at ambient condition. <i>Electrochimica Acta</i> , 2019 , 298, 106-111	6.7	31
72	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. <i>Nano Research</i> , 1	10	30
71	Ti self-doped TiO nanowires for efficient electrocatalytic N reduction to NH. <i>Chemical Communications</i> , 2020 , 56, 1074-1077	5.8	29
70	Recent advances in perovskite oxides as electrode materials for supercapacitors. <i>Chemical Communications</i> , 2021 , 57, 2343-2355	5.8	29
69	Cobalt Phosphide Nanowires: Efficient Nanostructures for Fluorescence Sensing of Biomolecules and Photocatalytic Evolution of Dihydrogen from Water under Visible Light. <i>Angewandte Chemie</i> , 2015 , 127, 5583-5587	3.6	28
68	N-doped carbon-coated tungsten oxynitride nanowire arrays for highly efficient electrochemical hydrogen evolution. <i>ChemSusChem</i> , 2015 , 8, 2487-91	8.3	28
67	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11879-11907	13	28
66	Enhancing electrocatalytic N ₂ -to-NH ₃ fixation by suppressing hydrogen evolution with alkylthiols modified Fe ₃ P nanoarrays. <i>Nano Research</i> , 1	10	28
65	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo O Nanowire Array.. <i>Small</i> , 2022 , e2106961	11	27
64	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. <i>Electrochemistry Communications</i> , 2021 , 122, 106881	5.1	25
63	High-efficiency electrochemical nitrite reduction to ammonium using a Cu ₃ P nanowire array under ambient conditions. <i>Green Chemistry</i> , 2021 , 23, 5487-5493	10	25
62	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	24
61	2021 Roadmap: electrocatalysts for green catalytic processes. <i>JPhys Materials</i> , 2021 , 4, 022004	4.2	24
60	Enhanced Electrochemical H ₂ O Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33182-33187	9.5	24
59	In situ tailoring bimetallic organic framework-derived yolk-shell NiS ₂ /CuS hollow microspheres: an extraordinary kinetically pseudocapacitive nanoreactor for an effective sodium-ion storage anode. <i>Journal of Materials Chemistry A</i> ,	13	24
58	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 3580-3586	6.7	22

57	A new nonlinear optical crystal: Bi ₂ O ₂ (OH)(NO ₃). <i>Crystal Research and Technology</i> , 2011 , 46, 655-658	1.3	21
56	Recent Progress in Metal-Free Electrocatalysts toward Ambient N ₂ Reduction Reaction. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2020 , 2009043-0	3.8	20
55	Unusual electrochemical N reduction activity in an earth-abundant iron catalyst via phosphorous modulation. <i>Chemical Communications</i> , 2020 , 56, 731-734	5.8	19
54	N-doped carbon nanotubes supported CoSe nanoparticles: A highly efficient and stable catalyst for HO electrosynthesis in acidic media. <i>Nano Research</i> , 2021 , 15, 1-6	10	19
53	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobalt-phosphorus alloy film. <i>Chemical Communications</i> , 2021 , 57, 9720-9723	5.8	19
52	An amorphous WC thin film enabled high-efficiency N reduction electrocatalysis under ambient conditions. <i>Chemical Communications</i> , 2021 , 57, 7806-7809	5.8	19
51	Ni nanoparticles-graphene hybrid film: one-step electrodeposition preparation and application as highly efficient oxygen evolution reaction electrocatalyst. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 1165-1170	2.6	18
50	Improving the intrinsic electronic conductivity of NiMoO ₄ anodes by phosphorous doping for high lithium storage. <i>Nano Research</i> , 2022 , 15, 186	10	18
49	Modulating Oxygen Vacancies of TiO ₂ Nanospheres by Mn-Doping to Boost Electrocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1512-1517	8.3	18
48	In situ grown Fe ₃ O ₄ particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. <i>Nano Research</i> , 1	10	17
47	Plasma-induced defective TiO ₂ -x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H ₂ O ₂ electrosynthesis. <i>Chem Catalysis</i> , 2021 ,		17
46	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1055-1063	9.3	17
45	High-performance NH ₃ production NO electroreduction over a NiO nanosheet array. <i>Chemical Communications</i> , 2021 ,	5.8	14
44	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO by Mn Doping. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46659-46664	9.5	14
43	La-doped TiO ₂ nanorods toward boosted electrocatalytic N ₂ -to-NH ₃ conversion at ambient conditions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1755-1762	11.3	14
42	Electrochemical nitrogen reduction: recent progress and prospects. <i>Chemical Communications</i> , 2021 , 57, 7335-7349	5.8	13
41	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for High-Efficiency Electrocatalytic NO Reduction to NH ₃ .. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	13
40	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH ₃ at ambient conditions. <i>Materials Today Physics</i> , 2022 , 22, 100611	8	12

39	A MnS/FeS ₂ heterostructure with a high degree of lattice matching anchored into carbon skeleton for ultra-stable sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 24024-24035	13	12
38	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 10677-10681	3.6	12
37	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo ₂ O ₄ nanosheet array. <i>Materials Today Physics</i> , 2022 , 23, 100619	8	11
36	Co-MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. <i>ChemNanoMat</i> , 2021 , 7, 906-909	3.5	11
35	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. <i>Catalysis Letters</i> , 2021 , 151, 3516	2.8	10
34	High-efficiency ammonia electrosynthesis on self-supported Co ₂ AlO ₄ nanoarray in neutral media by selective reduction of nitrate. <i>Chemical Engineering Journal</i> , 2022 , 435, 135104	14.7	9
33	Functional integration of hierarchical core-shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27615-27628	13	9
32	One-dimensional conductive metal-organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20345-20349	13	9
31	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H ₂ O ₂ electrosynthesis in acidic media. <i>Journal of Materials Chemistry A</i> ,	13	9
30	Self-supported NiS@NiP/MoS heterostructures on nickel foam for an outstanding oxygen evolution reaction and efficient overall water splitting. <i>Dalton Transactions</i> , 2021 , 50, 15094-15102	4.3	9
29	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 319-326	9.3	9
28	Ambient electrochemical N ₂ -to-NH ₃ conversion catalyzed by TiO ₂ decorated juncus effusus-derived carbon microtubes. <i>Inorganic Chemistry Frontiers</i> , 2022 , 9, 1514-1519	6.8	9
27	High-Performance Electrochemical NO Reduction into NH ₃ by MoS ₂ Nanosheet. <i>Angewandte Chemie</i> ,	3.6	8
26	Oxidation-etching induced morphology regulation of Cu catalysts for high-performance electrochemical N ₂ reduction. <i>EcoMat</i> , 2020 , 2, e12026	9.4	7
25	Efficient nitric oxide electroreduction toward ambient ammonia synthesis catalyzed by a CoP nanoarray. <i>Inorganic Chemistry Frontiers</i> ,	6.8	7
24	Electrochemical two-electron O ₂ reduction reaction toward H ₂ O ₂ production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26019-26027	13	7
23	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30693-30702	9.5	7
22	Hexagonal boron nitride nanosheet as an effective nanoquencher for the fluorescence detection of microRNA. <i>Chemical Communications</i> , 2021 , 57, 8039-8042	5.8	7

21	Conductive Two-Dimensional Magnesium Metal-Organic Frameworks for High-Efficiency O ₂ Electroreduction to H ₂ O ₂ . <i>ACS Catalysis</i> , 2022, 12, 6092-6099	13.1	7
20	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2842-2848	13	6
19	A Cr-FeOOH@Ni-P/NF binder-free electrode as an excellent oxygen evolution reaction electrocatalyst. <i>Nanoscale</i> , 2021, 13, 17003-17010	7.7	6
18	Ni(OH) ₂ nanoparticles encapsulated in conductive nanowire array for high-performance alkaline seawater oxidation. <i>Nano Research</i> , 2021, 14, 17003-17010	10	6
17	Boosting electrochemical nitrite-ammonia conversion properties by a Cu foam@CuO catalyst.. <i>Chemical Communications</i> , 2021, 2021, 1-2	5.8	5
16	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion.. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 636-642	9.3	5
15	Polyrrole-encapsulated Cu ₂ Se nanosheets in situ grown on Cu mesh for high stability sodium-ion battery anode. <i>Chemical Engineering Journal</i> , 2022, 433, 134477	14.7	5
14	Recent advances in MoS ₂ -based materials for electrocatalysis.. <i>Chemical Communications</i> , 2022, 2022, 1-2	5.8	4
13	A TiO nanobelt array with oxygen vacancies: an efficient electrocatalyst toward nitrite conversion to ammonia.. <i>Chemical Communications</i> , 2022, 2022, 1-2	5.8	4
12	Coupling denitrification and ammonia synthesis via selective electrochemical reduction of nitric oxide over Fe ₂ O ₃ nanorods. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6454-6462	13	4
11	FeP nanorod array: A high-efficiency catalyst for electroreduction of NO to NH ₃ under ambient conditions. <i>Nano Research</i> , 2021, 14, 17003-17010	10	4
10	Nitrite reduction over Ag nanoarray electrocatalyst for ammonia synthesis. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 636-642	9.3	4
9	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO ₂ . <i>Nano Research</i> , 2021, 14, 17003-17010	10	3
8	Ag@TiO ₂ as an Efficient Electrocatalyst for N ₂ Fixation to NH ₃ under Ambient Conditions. <i>ChemistrySelect</i> , 2021, 6, 5271-5274	1.8	3
7	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N Reduction to NH ₃ . <i>Inorganic Chemistry</i> , 2021, 60, 7584-7589	5.1	2
6	Monodisperse Cu Cluster-Loaded Defective ZrO Nanofibers for Ambient N Fixation to NH ₃ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40724-40730	9.5	2
5	High-efficiency NO electroreduction to NH ₃ over honeycomb carbon nanofiber at ambient conditions.. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 261-267	9.3	2
4	Cu nanoparticles decorated juncus-derived carbon for efficient electrocatalytic nitrite-to-ammonia conversion. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 394-399	9.3	2

3	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. <i>Materials Advances</i> ,	3.3	1
2	Electrocatalytic H ₂ O ₂ production via two-electron O ₂ reduction by Mo-doped TiO ₂ nanocrystallines. <i>Catalysis Science and Technology</i> , 2021 , 11, 6970-6974	5.5	1
1	Co-NCNT nanohybrid as a highly active catalyst for the electroreduction of nitrate to ammonia.. <i>Chemical Communications</i> , 2022 ,	5.8	1