Qian Liu

List of Publications by Year
in descending order

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Version: 2024-02-01

169 papers	21,924 citations	6946 78 h-index	8303 145 g-index
169 all docs	169 docs citations	169 times ranked	16398 citing authors

#	Article	IF	Citations
1	A Hierarchical CuO Nanowire@CoFe-Layered Double Hydroxide Nanosheet Array as a High-Efficiency Seawater Oxidation Electrocatalyst. Molecules, 2023, 28, 5718.	3.9	0
2	Improving the intrinsic electronic conductivity of NiMoO4 anodes by phosphorous doping for high lithium storage. Nano Research, 2022, 15, 186-194.	10.5	108
3	N-doped carbon nanotubes supported CoSe2 nanoparticles: A highly efficient and stable catalyst for H2O2 electrosynthesis in acidic media. Nano Research, 2022, 15, 304-309.	10.5	108
4	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. Nano Research, 2022, 15, 972-977.	10.5	115
5	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	10.5	80
6	Ni2P nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. Journal of Colloid and Interface Science, 2022, 606, 1055-1063.	9.5	72
7	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. Chinese Chemical Letters, 2022, 33, 890-892.	9.0	119
8	Fe(III) grafted MoO3 nanorods for effective electrocatalytic fixation of atmospheric N2 to NH3. International Journal of Hydrogen Energy, 2022, 47, 3550-3555.	7.1	15
9	Recent advances in MoS₂-based materials for electrocatalysis. Chemical Communications, 2022, 58, 2259-2278.	4.2	38
10	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. Materials Advances, 2022, 3, 1359-1400.	5.2	21
11	Polyrrole-encapsulated Cu2Se nanosheets in situ grown on Cu mesh for high stability sodium-ion battery anode. Chemical Engineering Journal, 2022, 433, 134477.	12.8	84
12	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. Journal of Materials Chemistry A, 2022, 10, 2842-2848.	10.4	54
13	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo2O4 nanosheet array. Materials Today Physics, 2022, 23, 100619.	6.2	81
14	A gradient hexagonal-prism Fe₃Se₄@SiO₂@C configuration as a highly reversible sodium conversion anode. Journal of Materials Chemistry A, 2022, 10, 4087-4099.	10.4	51
15	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100611.	6.2	39
16	Boosting electrochemical nitriteâ€“ammonia conversion properties by a Cu foam@Cu₂O catalyst. Chemical Communications, 2022, 58, 517-520.	4.2	42
17	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. Nano Research, 2022, 15, 3880-3885.	10.5	45
18	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	7.1	108

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19	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion. Journal of Colloid and Interface Science, 2022, 615, 636-642.	9.5	83
20	Efficient nitric oxide electroreduction toward ambient ammonia synthesis catalyzed by a CoP nanoarray. Inorganic Chemistry Frontiers, 2022, 9, 1366-1372.	6.0	66
21	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo₂O₄ Nanowire Array. Small, 2022, 18, e2106961.	11.0	195
22	High-efficiency ammonia electrosynthesis on self-supported Co2AlO4 nanoarray in neutral media by selective reduction of nitrate. Chemical Engineering Journal, 2022, 435, 135104.	12.8	84
23	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. Nano Research, 2022, 15, 3050-3055.	10.5	121
24	A 3D FeOOH nanotube array: an efficient catalyst for ammonia electrosynthesis by nitrite reduction. Chemical Communications, 2022, 58, 5160-5163.	4.2	28
25	Coâ€“NCNT nanohybrid as a highly active catalyst for the electroreduction of nitrate to ammonia. Chemical Communications, 2022, 58, 3787-3790.	4.2	17
26	Co nanoparticle-decorated pomelo-peel-derived carbon enabled high-efficiency electrocatalytic nitrate reduction to ammonia. Chemical Communications, 2022, 58, 4259-4262.	4.2	45
27	A TiO_{2â^’x} nanobelt array with oxygen vacancies: an efficient electrocatalyst toward nitrite conversion to ammonia. Chemical Communications, 2022, 58, 3669-3672.	4.2	61
28	Electrocatalytic two-electron oxygen reduction over nitrogen doped hollow carbon nanospheres. Chemical Communications, 2022, 58, 5025-5028.	4.2	20
29	A FeCo₂O₄ nanowire array enabled electrochemical nitrate conversion to ammonia. Chemical Communications, 2022, 58, 4480-4483.	4.2	40
30	Coupling denitrification and ammonia synthesis via selective electrochemical reduction of nitric oxide over Fe₂O₃ nanorods. Journal of Materials Chemistry A, 2022, 10, 6454-6462.	10.4	62
31	FeP nanorod array: A high-efficiency catalyst for electroreduction of NO to NH3 under ambient conditions. Nano Research, 2022, 15, 4008-4013.	10.5	68
32	Electrodeposition of Amorphous Feâ^’P Shell on Co(OH)F Nanowire Arrays for Boosting Oxygen Evolution Electrocatalysis in Alkaline Media. ChemNanoMat, 2022, 8, .	2.9	3
33	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for Highâ€Efficiency Electrocatalytic NO Reduction to NH₃. Angewandte Chemie - International Edition, 2022, 61, .	14.6	141
34	High-Performance Electrochemical Nitrate Reduction to Ammonia under Ambient Conditions Using a FeOOH Nanorod Catalyst. ACS Applied Materials & Interfaces, 2022, 14, 17312-17318.	8.2	69
35	High-efficiency NO electroreduction to NH3 over honeycomb carbon nanofiber at ambient conditions. Journal of Colloid and Interface Science, 2022, 616, 261-267.	9.5	26
36	CoO nanoparticle decorated N-doped carbon nanotubes: a high-efficiency catalyst for nitrate reduction to ammonia. Chemical Communications, 2022, 58, 5901-5904.	4.2	31

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37	Ni(OH)2 nanoparticles encapsulated in conductive nanowire array for high-performance alkaline seawater oxidation. Nano Research, 2022, 15, 6084-6090.	10.5	113
38	Nitrite reduction over Ag nanoarray electrocatalyst for ammonia synthesis. Journal of Colloid and Interface Science, 2022, 623, 513-519.	9.5	87
39	Conductive Two-Dimensional Magnesium Metalâ€“Organic Frameworks for High-Efficiency O₂ Electroreduction to H₂O₂. ACS Catalysis, 2022, 12, 6092-6099.	11.5	101
40	ITO@TiO2 nanoarray: An efficient and robust nitrite reduction reaction electrocatalyst toward NH3 production under ambient conditions. EScience, 2022, 2, 382-388.	42.2	99
41	Enhancing Electrocatalytic NO Reduction to NH₃ by the CoS Nanosheet with Sulfur Vacancies. Inorganic Chemistry, 2022, 61, 8096-8102.	4.2	34
42	Cu nanoparticles decorated juncus-derived carbon for efficient electrocatalytic nitrite-to-ammonia conversion. Journal of Colloid and Interface Science, 2022, 624, 394-399.	9.5	47
43	High-performance electrochemical nitrate reduction to ammonia under ambient conditions using NiFe₂O₄nanosheet arrays. Inorganic Chemistry Frontiers, 2022, 9, 3392-3397.	6.0	29
44	Enhanced N2-to-NH3 conversion efficiency on Cu3P nanoribbon electrocatalyst. Nano Research, 2022, 15, 7134-7138.	10.5	84
45	Defective CuO-rich CuFe₂O₄ nanofibers enable the efficient synergistic electrochemical reduction of nitrate to ammonia. Catalysis Science and Technology, 2022, 12, 4998-5002.	4.2	6
46	Enhanced electrocatalytic nitrate reduction to ammonia using plasmaâ€induced oxygen vacancies in CoTiO_{3â€‰â€“â€‰x} nanofiber. Carbon Neutralization, 2022, 1, 6-13.	5.6	16
47	High-Efficiency Electrosynthesis of Ammonia with Selective Reduction of Nitrate in Neutral Media Enabled by Self-Supported Mn₂CoO₄ Nanoarray. ACS Applied Materials & Interfaces, 2022, 14, 33242-33247.	8.2	31
48	ZrO₂/C Nanosphere Enables Highâ€Efficiency Nitrogen Reduction to Ammonia at Ambient Conditions. ChemCatChem, 2022, 14, .	3.8	4
49	Oxygen vacancies in Co₃O₄nanoarrays promote nitrate electroreduction for ammonia synthesis. Sustainable Energy and Fuels, 2022, 6, 4130-4136.	4.8	93
50	Heterogenous Cu@ZrO₂ nanofibers enable efficient electrocatalytic nitrate reduction to ammonia under ambient conditions. Chemical Communications, 2022, 58, 13811-13814.	4.2	8
51	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	13.1	168
52	Rational design of carbon materials as anodes for potassium-ion batteries. Energy Storage Materials, 2021, 34, 483-507.	18.3	148
53	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. Electrochemistry Communications, 2021, 122, 106881.	4.7	83
54	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1024-1029.	14.4	60

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55	A magnetron sputtered Mo₃Si thin film: an efficient electrocatalyst for N₂ reduction under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 884-888.	10.4	73
56	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. Nano Research, 2021, 14, 555-569.	10.5	144
57	One-dimensional conductive metalâ€“organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. Journal of Materials Chemistry A, 2021, 9, 20345-20349.	10.4	40
58	Hexagonal boron nitride nanosheet as an effective nanoquencher for the fluorescence detection of microRNA. Chemical Communications, 2021, 57, 8039-8042.	4.2	26
59	Modulating Oxygen Vacancies of TiO₂ Nanospheres by Mn-Doping to Boost Electrocatalytic N₂ Reduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 1512-1517.	6.8	50
60	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. Green Chemistry, 2021, 23, 2834-2867.	9.2	108
61	CuS concave polyhedral superstructures enabled efficient N₂ electroreduction to NH₃ at ambient conditions. Inorganic Chemistry Frontiers, 2021, 8, 3105-3110.	6.0	58
62	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H₂O₂ electrosynthesis in acidic media. Journal of Materials Chemistry A, 2021, 9, 21703-21707.	10.4	36
63	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€“phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	4.2	65
64	Self-supported Ni₃S₂@Ni₂P/MoS₂ heterostructures on nickel foam for an outstanding oxygen evolution reaction and efficient overall water splitting. Dalton Transactions, 2021, 50, 15094-15102.	3.4	29
65	Recent advances in perovskite oxides as electrode materials for supercapacitors. Chemical Communications, 2021, 57, 2343-2355.	4.2	166
66	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. Journal of Materials Chemistry A, 2021, 9, 11879-11907.	10.4	117
67	Electrochemical nitrogen reduction: recent progress and prospects. Chemical Communications, 2021, 57, 7335-7349.	4.2	87
68	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. Journal of Materials Chemistry A, 2021, 9, 6650-6670.	10.4	171
69	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N₂ Reduction Reaction under Ambient Condition. Small Science, 2021, 1, 2000069.	10.5	71
70	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. Catalysis Letters, 2021, 151, 3516-3522.	2.7	32
71	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 10677-10681.	2.1	27
72	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 10583-10587.	14.6	250

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73	2021 Roadmap: electrocatalysts for green catalytic processes. JPhys Materials, 2021, 4, 022004.	4.3	70
74	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N₂ Reduction to NH₃. Inorganic Chemistry, 2021, 60, 7584-7589.	4.2	17
75	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. Materials Today Physics, 2021, 18, 100396.	6.2	57
76	Coâ€MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. ChemNanoMat, 2021, 7, 906-909.	2.9	41
77	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. ACS Applied Materials & Interfaces, 2021, 13, 30693-30702.	8.2	27
78	Ag@TiO 2 as an Efficient Electrocatalyst for N 2 Fixation to NH 3 under Ambient Conditions. ChemistrySelect, 2021, 6, 5271-5274.	1.7	3
79	Enhanced Electrochemical H₂O₂ Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO_{2â€“x}. ACS Applied Materials & Interfaces, 2021, 13, 33182-33187.	8.2	74
80	Ti₂O₃ Nanoparticles with Ti³⁺ Sites toward Efficient NH₃ Electrosynthesis under Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 41715-41722.	8.2	90
81	Monodisperse Cu Cluster-Loaded Defective ZrO₂ Nanofibers for Ambient N₂ Fixation to NH₃. ACS Applied Materials & Interfaces, 2021, 13, 40724-40730.	8.2	15
82	NiFe Layered-Double-Hydroxide Nanosheet Arrays on Graphite Felt: A 3D Electrocatalyst for Highly Efficient Water Oxidation in Alkaline Media. Inorganic Chemistry, 2021, 60, 12703-12708.	4.2	103
83	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie, 2021, 133, 25467-25472.	2.1	134
84	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO₂ by Mn Doping. ACS Applied Materials & Interfaces, 2021, 13, 46659-46664.	8.2	50
85	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie - International Edition, 2021, 60, 25263-25268.	14.6	216
86	La-doped TiO2 nanorods toward boosted electrocatalytic N2-to-NH3 conversion at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1755-1762.	14.4	38
87	Recent advances in strategies for highly selective electrocatalytic N2 reduction toward ambient NH3 synthesis. Current Opinion in Electrochemistry, 2021, 29, 100766.	5.1	158
88	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. Journal of Colloid and Interface Science, 2021, 604, 319-326.	9.5	34
89	An amorphous WC thin film enabled high-efficiency N₂ reduction electrocatalysis under ambient conditions. Chemical Communications, 2021, 57, 7806-7809.	4.2	50
90	Constructing a hollow microflower-like ZnS/CuS@C heterojunction as an effective ion-transport booster for an ultrastable and high-rate sodium storage anode. Journal of Materials Chemistry A, 2021, 9, 6402-6412.	10.4	124

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91	In situ tailoring bimetallicâ€“organic framework-derived yolkâ€“shell NiS₂/CuS hollow microspheres: an extraordinary kinetically pseudocapacitive nanoreactor for an effective sodium-ion storage anode. Journal of Materials Chemistry A, 2021, 9, 15807-15819.	10.4	72
92	High-efficiency electrochemical nitrite reduction to ammonium using a Cu₃P nanowire array under ambient conditions. Green Chemistry, 2021, 23, 5487-5493.	9.2	91
93	A NiCo LDH nanosheet array on graphite felt: an efficient 3D electrocatalyst for the oxygen evolution reaction in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3162-3166.	6.0	191
94	YF₃: a nanoflower-like catalyst for efficient nitrogen fixation to ammonia under ambient conditions. Catalysis Science and Technology, 2021, 11, 6750-6754.	4.2	5
95	A Cr-FeOOH@Niâ€“P/NF binder-free electrode as an excellent oxygen evolution reaction electrocatalyst. Nanoscale, 2021, 13, 17003-17010.	5.7	19
96	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3007-3011.	6.0	158
97	A hierarchical CuO@NiCo layered double hydroxide coreâ€“shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2021, 8, 3049-3054.	6.0	231
98	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N₂-to-NH₃ fixation by a CoP nanoarray. Journal of Materials Chemistry A, 2021, 9, 13861-13866.	10.4	89
99	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS₂ nanosheets. Journal of Materials Chemistry A, 2021, 9, 6117-6122.	10.4	108
100	Electrocatalytic H₂O₂ production via two-electron O₂ reduction by Mo-doped TiO₂ nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	4.2	7
101	A MnS/FeS₂ heterostructure with a high degree of lattice matching anchored into carbon skeleton for ultra-stable sodium-ion storage. Journal of Materials Chemistry A, 2021, 9, 24024-24035.	10.4	43
102	Plasma-induced defective TiO2-x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H2O2 electrosynthesis. Chem Catalysis, 2021, 1, 1437-1448.	6.3	82
103	Functional integration of hierarchical coreâ€“shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. Journal of Materials Chemistry A, 2021, 9, 27615-27628.	10.4	65
104	Electrochemical two-electron O₂ reduction reaction toward H₂O₂ production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. Journal of Materials Chemistry A, 2021, 9, 26019-26027.	10.4	61
105	High-performance NH₃ production via NO electroreduction over a NiO nanosheet array. Chemical Communications, 2021, 57, 13562-13565.	4.2	58
106	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie - International Edition, 2020, 59, 758-762.	14.6	153
107	Unusual electrochemical N₂ reduction activity in an earth-abundant iron catalyst via phosphorous modulation. Chemical Communications, 2020, 56, 731-734.	4.2	27
108	Ti³⁺ self-doped TiO_{2â^'x} nanowires for efficient electrocatalytic N₂ reduction to NH₃. Chemical Communications, 2020, 56, 1074-1077.	4.2	51

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109	Aqueous electrocatalytic N₂ reduction for ambient NH₃ synthesis: recent advances in catalyst development and performance improvement. Journal of Materials Chemistry A, 2020, 8, 1545-1556.	10.4	239
110	Noble-metal-free electrocatalysts toward H₂O₂production. Journal of Materials Chemistry A, 2020, 8, 23123-23141.	10.4	126
111	Oxidationâ€etching induced morphology regulation of Cu catalysts for highâ€performance electrochemical <scp>N₂</scp> reduction. EcoMat, 2020, 2, e12026.	11.9	14
112	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. Journal of Materials Chemistry B, 2020, 8, 5411-5415.	5.9	187
113	A cobaltâ€“phosphorus nanoparticle decorated N-doped carbon nanosheet array for efficient and durable hydrogen evolution at alkaline pH. Sustainable Energy and Fuels, 2020, 4, 3884-3887.	4.8	131
114	Identifying the Origin of Ti³⁺ Activity toward Enhanced Electrocatalytic N₂ Reduction over TiO₂ Nanoparticles Modulated by Mixedâ€Valent Copper. Advanced Materials, 2020, 32, e2000299.	24.0	297
115	Sn dendrites for electrocatalytic N₂ reduction to NH₃ under ambient conditions. Sustainable Energy and Fuels, 2020, 4, 4469-4472.	4.8	55
116	CuO@CoFe Layered Double Hydroxide Coreâ€“Shell Heterostructure as an Efficient Water Oxidation Electrocatalyst under Mild Alkaline Conditions. Inorganic Chemistry, 2020, 59, 9491-9495.	4.2	55
117	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. Nanoscale, 2020, 12, 5359-5362.	5.7	101
118	Ambient electrochemical NH₃ synthesis from N₂ and water enabled by ZrO₂ nanoparticles. Chemical Communications, 2020, 56, 3673-3676.	4.2	60
119	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. Advanced Functional Materials, 2020, 30, 2002731.	16.3	73
120	Porous LaFeO3 nanofiber with oxygen vacancies as an efficient electrocatalyst for N2 conversion to NH3 under ambient conditions. Journal of Energy Chemistry, 2020, 50, 402-408.	13.2	91
121	Recent Progress in Metal-Free Electrocatalysts toward Ambient N2 Reduction Reaction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	5.0	30
122	Greatly Improving Electrochemical N₂ Reduction over TiO₂ Nanoparticles by Iron Doping. Angewandte Chemie, 2019, 131, 18620-18624.	2.1	46
123	Greatly Improving Electrochemical N₂ Reduction over TiO₂ Nanoparticles by Iron Doping. Angewandte Chemie - International Edition, 2019, 58, 18449-18453.	14.6	400
124	Cr₂O₃ Nanoparticle-Reduced Graphene Oxide Hybrid: A Highly Active Electrocatalyst for N₂ Reduction at Ambient Conditions. Inorganic Chemistry, 2019, 58, 2257-2260.	4.2	100
125	Ambient electrochemical N₂-to-NH₃ fixation enabled by Nb₂O₅ nanowire array. Inorganic Chemistry Frontiers, 2019, 6, 423-427.	6.0	50
126	Defect-rich fluorographene nanosheets for artificial N₂ fixation under ambient conditions. Chemical Communications, 2019, 55, 4266-4269.	4.2	107

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127	Mn3O4 nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N2 fixation to NH3 at ambient conditions. Nano Research, 2019, 12, 1093-1098.	10.5	97
128	Recommendations for estimating the moments of inertia of a tennis racket. Sports Engineering, 2019, 22, 1.	1.1	11
129	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. Small, 2019, 15, e1805103.	11.0	214
130	La2O3 nanoplate: An efficient electrocatalyst for artificial N2 fixation to NH3 with excellent selectivity at ambient condition. Electrochimica Acta, 2019, 298, 106-111.	5.3	40
131	High-Performance N₂-to-NH₃ Conversion Electrocatalyzed by Mo₂C Nanorod. ACS Central Science, 2019, 5, 116-121.	12.1	301
132	Electrocatalytic Hydrogenation of N₂to NH₃by MnO: Experimental and Theoretical Investigations. Advanced Science, 2019, 6, 1801182.	12.3	124
133	Boron-Doped TiO₂ for Efficient Electrocatalytic N₂ Fixation to NH₃ at Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 117-122.	6.8	136
134	Enhancing Electrocatalytic N₂ Reduction to NH₃ by CeO₂ Nanorod with Oxygen Vacancies. ACS Sustainable Chemistry and Engineering, 2019, 7, 2889-2893.	6.8	129
135	Sâ€Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N₂ Fixation to NH₃. Small Methods, 2019, 3, 1800251.	9.5	170
136	Electrocatalytic N₂ Fixation over Hollow VO₂ Microspheres at Ambient Conditions. ChemElectroChem, 2019, 6, 1014-1018.	3.5	61
137	Pristine Transitionâ€Metalâ€Based Metalâ€Organic Frameworks for Electrocatalysis. ChemElectroChem, 2019, 6, 1273-1299.	3.5	83
138	A Biomassâ€Derived Carbonâ€Based Electrocatalyst for Efficient N₂ Fixation to NH₃ under Ambient Conditions. Chemistry - A European Journal, 2019, 25, 1914-1917.	3.8	72
139	Ti₃C₂T_x(TÂ= F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N₂to NH₃. Journal of Materials Chemistry A, 2018, 6, 24031-24035.	10.4	241
140	Mn₃O₄ Nanocube: An Efficient Electrocatalyst Toward Artificial N₂ Fixation to NH₃. Small, 2018, 14, e1803111.	11.0	129
141	Recent Progress in Cobaltâ€Based Heterogeneous Catalysts for Electrochemical Water Splitting. Advanced Materials, 2016, 28, 215-230.	24.0	2,166
142	Nâ€Doped Carbonâ€Coated Tungsten Oxynitride Nanowire Arrays for Highly Efficient Electrochemical Hydrogen Evolution. ChemSusChem, 2015, 8, 2487-2491.	7.4	35
143	Inâ€…Situ Growth of NiSe Nanowire Film on Nickel Foam as an Electrode for Highâ€Performance Supercapacitors. ChemElectroChem, 2015, 2, 1903-1907.	3.5	162
144	Cobalt Phosphide Nanowires: Efficient Nanostructures for Fluorescence Sensing of Biomolecules and Photocatalytic Evolution of Dihydrogen from Water under Visible Light. Angewandte Chemie - International Edition, 2015, 54, 5493-5497.	14.6	222

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145	CoSe₂ Nanowires Array as a 3D Electrode for Highly Efficient Electrochemical Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 3877-3881.	8.2	178
146	Cobalt Phosphide Nanowires: Efficient Nanostructures for Fluorescence Sensing of Biomolecules and Photocatalytic Evolution of Dihydrogen from Water under Visible Light. Angewandte Chemie, 2015, 127, 5583-5587.	2.1	35
147	Interconnected Coâ€Entrapped, Nâ€Doped Carbon Nanotube Film as Active Hydrogen Evolution Cathode over the Whole pH Range. ChemSusChem, 2015, 8, 1850-1855.	7.4	76
148	Rapid, sensitive, and selective fluorescent DNA detection using iron-based metalâ€“organic framework nanorods: Synergies of the metal center and organic linker. Biosensors and Bioelectronics, 2015, 71, 1-6.	10.3	87
149	3D macroporous MoS2 thin film: in situ hydrothermal preparation and application as a highly active hydrogen evolution electrocatalyst at all pH values. Electrochimica Acta, 2015, 168, 133-138.	5.3	149
150	A Fe-doped Ni₃S₂particle film as a high-efficiency robust oxygen evolution electrode with very high current density. Journal of Materials Chemistry A, 2015, 3, 23207-23212.	10.4	316
151	Self-supported NiMo hollow nanorod array: an efficient 3D bifunctional catalytic electrode for overall water splitting. Journal of Materials Chemistry A, 2015, 3, 20056-20059.	10.4	229
152	Electrodeposition of nickelâ€“phosphorus nanoparticles film as a Janus electrocatalyst for electro-splitting of water. Journal of Power Sources, 2015, 299, 342-346.	7.9	129
153	High-Efficiency Electrochemical Hydrogen Evolution Catalyzed by Tungsten Phosphide Submicroparticles. ACS Catalysis, 2015, 5, 145-149.	11.5	234
154	Self-Supported Nanoporous Cobalt Phosphide Nanowire Arrays: An Efficient 3D Hydrogen-Evolving Cathode over the Wide Range of pH 0â€“14. Journal of the American Chemical Society, 2014, 136, 7587-7590.	14.5	2,257
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