

Fengyu Xie

List of Publications by Year in descending order

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12909
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#	ARTICLE	IF	CITATIONS
1	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, 7587-7590.	13.7	2,208
2	NiSe Nanowire Film Supported on Nickel Foam: An Efficient and Stable 3D Bifunctional Electrode for Full Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9351-9355.	13.8	1,242
3	Fe-Doped CoP Nanoarray: A Monolithic Multifunctional Catalyst for Highly Efficient Hydrogen Generation. <i>Advanced Materials</i> , 2017, 29, 1602441.	21.0	834
4	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, 12855-12859.	13.8	816
5	Closely Interconnected Network of Molybdenum Phosphide Nanoparticles: A Highly Efficient Electrocatalyst for Generating Hydrogen from Water. <i>Advanced Materials</i> , 2014, 26, 5702-5707.	21.0	783
6	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS ₂ Catalyst: Theoretical and Experimental Studies. <i>Advanced Materials</i> , 2018, 30, e1800191.	21.0	697
7	Greatly Improving Electrochemical N ₂ Reduction over TiO ₂ Nanoparticles by Iron Doping. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18449-18453.	13.8	379
8	Electrodeposited Co-doped NiSe ₂ nanoparticles film: a good electrocatalyst for efficient water splitting. <i>Nanoscale</i> , 2016, 8, 3911-3915.	5.6	367
9	High-Performance Electrolytic Oxygen Evolution in Neutral Media Catalyzed by a Cobalt Phosphate Nanoarray. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1064-1068.	13.8	348
10	Ambient N ₂ fixation to NH ₃ at ambient conditions: Using Nb ₂ O ₅ nanofiber as a high-performance electrocatalyst. <i>Nano Energy</i> , 2018, 52, 264-270.	16.0	331
11	MoO ₃ nanosheets for efficient electrocatalytic N ₂ fixation to NH ₃ . <i>Journal of Materials Chemistry A</i> , 2018, 6, 12974-12977.	10.3	292
12	Electrochemical N ₂ fixation to NH ₃ under ambient conditions: Mo ₂ N nanorod as a highly efficient and selective catalyst. <i>Chemical Communications</i> , 2018, 54, 8474-8477.	4.1	287
13	High-Performance Electrohydrogenation of N ₂ to NH ₃ Catalyzed by Multishelled Hollow Cr ₂ O ₃ Microspheres under Ambient Conditions. <i>ACS Catalysis</i> , 2018, 8, 8540-8544.	11.2	280
14	Identifying the Origin of Ti ³⁺ Activity toward Enhanced Electrocatalytic N ₂ Reduction over TiO ₂ Nanoparticles Modulated by Mixed-Valent Copper. <i>Advanced Materials</i> , 2020, 32, e2000299.	21.0	278
15	Co-MOF nanosheet array: A high-performance electrochemical sensor for non-enzymatic glucose detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 278, 126-132.	7.8	256
16	Boron Nanosheet: An Elemental Two-Dimensional (2D) Material for Ambient Electrocatalytic N ₂ -to-NH ₃ Fixation in Neutral Media. <i>ACS Catalysis</i> , 2019, 9, 4609-4615.	11.2	253
17	Ag nanosheets for efficient electrocatalytic N ₂ fixation to NH ₃ under ambient conditions. <i>Chemical Communications</i> , 2018, 54, 11427-11430.	4.1	238
18	Electrochemical non-enzymatic glucose sensors: recent progress and perspectives. <i>Chemical Communications</i> , 2020, 56, 14553-14569.	4.1	235

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19	Ti ₃ C ₂ T _x (T = F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N ₂ to NH ₃ . Journal of Materials Chemistry A, 2018, 6, 24031-24035.	10.3	231
20	Aqueous electrocatalytic N ₂ reduction for ambient NH ₃ synthesis: recent advances in catalyst development and performance improvement. Journal of Materials Chemistry A, 2020, 8, 1545-1556.	10.3	226
21	Enabling Effective Electrocatalytic N ₂ Conversion to NH ₃ by the TiO ₂ Nanosheets Array under Ambient Conditions. ACS Applied Materials & Interfaces, 2018, 10, 28251-28255.	8.0	222
22	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 10583-10587.	13.8	219
23	Efficient Electrochemical N ₂ Reduction to NH ₃ on MoN Nanosheets Array under Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 9550-9554.	6.7	210
24	Three-Dimensional Ni ₂ P Nanoarray: An Efficient Catalyst Electrode for Sensitive and Selective Nonenzymatic Glucose Sensing with High Specificity. Analytical Chemistry, 2016, 88, 7885-7889.	6.5	209
25	Ambient N ₂ fixation to NH ₃ electrocatalyzed by a spinel Fe ₃ O ₄ nanorod. Nanoscale, 2018, 10, 14386-14389.	5.6	199
26	Self-assembled graphene platelet-glucose oxidase nanostructures for glucose biosensing. Biosensors and Bioelectronics, 2011, 26, 4491-4496.	10.1	176
27	An amorphous Co-carbonate-hydroxide nanowire array for efficient and durable oxygen evolution reaction in carbonate electrolytes. Nanoscale, 2017, 9, 16612-16615.	5.6	173
28	High-Efficiency Electrosynthesis of Ammonia with High Selectivity under Ambient Conditions Enabled by VN Nanosheet Array. ACS Sustainable Chemistry and Engineering, 2018, 6, 9545-9549.	6.7	170
29	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. Journal of Materials Chemistry B, 2020, 8, 5411-5415.	5.8	170
30	N-Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N ₂ Fixation to NH ₃ . Small Methods, 2019, 3, 1800251.	8.6	165
31	Greatly Enhanced Electrocatalytic N ₂ Reduction on TiO ₂ via V Doping. Small Methods, 2019, 3, 1900356.	8.6	164
32	Sulfur-doped graphene for efficient electrocatalytic N ₂ -to-NH ₃ fixation. Chemical Communications, 2019, 55, 3371-3374.	4.1	152
33	Recent progress in the electrochemical ammonia synthesis under ambient conditions. EnergyChem, 2019, 1, 100011.	19.1	151
34	Ni foam: a novel three-dimensional porous sensing platform for sensitive and selective nonenzymatic glucose detection. Analyst, The, 2013, 138, 417-420.	3.5	150
35	Copper-Nitride Nanowires Array: An Efficient Dual-Functional Catalyst Electrode for Sensitive and Selective Non-Enzymatic Glucose and Hydrogen Peroxide Sensing. Chemistry - A European Journal, 2017, 23, 4986-4989.	3.3	140
36	Ambient NH ₃ synthesis via electrochemical reduction of N ₂ over cubic sub-micron SnO ₂ particles. Chemical Communications, 2018, 54, 12966-12969.	4.1	138

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37	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. <i>Nano Research</i> , 2021, 14, 555-569.	10.4	137
38	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.	6.7	131
39	Mn ₃ O ₄ Nanocube: An Efficient Electrocatalyst Toward Artificial N ₂ Fixation to NH ₃ . <i>Small</i> , 2018, 14, e1803111.	10.0	126
40	Insights into defective TiO ₂ in electrocatalytic N ₂ reduction: combining theoretical and experimental studies. <i>Nanoscale</i> , 2019, 11, 1555-1562.	5.6	126
41	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.	6.7	121
42	An Fe(TCNQ) ₂ nanowire array on Fe foil: an efficient non-noble-metal catalyst for the oxygen evolution reaction in alkaline media. <i>Chemical Communications</i> , 2018, 54, 2300-2303.	4.1	120
43	Hexagonal boron nitride nanosheet for effective ambient N ₂ fixation to NH ₃ . <i>Nano Research</i> , 2019, 12, 919-924.	10.4	120
44	Electrocatalytic Hydrogenation of N ₂ to NH ₃ by MnO: Experimental and Theoretical Investigations. <i>Advanced Science</i> , 2019, 6, 1801182.	11.2	117
45	Boosting electrocatalytic N ₂ reduction by MnO ₂ with oxygen vacancies. <i>Chemical Communications</i> , 2019, 55, 4627-4630.	4.1	113
46	An MnO ₂ @Ti ₃ C ₂ T _x MXene nanohybrid: an efficient and durable electrocatalyst toward artificial N ₂ fixation to NH ₃ under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18823-18827.	10.3	107
47	FeP nanorod arrays on carbon cloth: a high-performance anode for sodium-ion batteries. <i>Chemical Communications</i> , 2018, 54, 9341-9344.	4.1	106
48	Sulfur dots@graphene nanohybrid: a metal-free electrocatalyst for efficient N ₂ -to-NH ₃ fixation under ambient conditions. <i>Chemical Communications</i> , 2019, 55, 3152-3155.	4.1	106
49	Ambient electrohydrogenation of N ₂ for NH ₃ synthesis on non-metal boron phosphide nanoparticles: the critical role of P in boosting the catalytic activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16117-16121.	10.3	105
50	Defect-rich fluorographene nanosheets for artificial N ₂ fixation under ambient conditions. <i>Chemical Communications</i> , 2019, 55, 4266-4269.	4.1	105
51	Boosting electrocatalytic N ₂ reduction to NH ₃ on $\hat{1}^2$ -FeOOH by fluorine doping. <i>Chemical Communications</i> , 2019, 55, 3987-3990.	4.1	104
52	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.	6.0	100
53	Ternary NiCoP nanosheet array on a Ti mesh: a high-performance electrochemical sensor for glucose detection. <i>Chemical Communications</i> , 2016, 52, 14438-14441.	4.1	98
54	Bimetal@organic framework MIL-53(Co@Fe): an efficient and robust electrocatalyst for the oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 67-71.	5.6	98

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55	An Fe-MOF nanosheet array with superior activity towards the alkaline oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1405-1408.	6.0	97
56	Cr ₂ O ₃ Nanoparticle-Reduced Graphene Oxide Hybrid: A Highly Active Electrocatalyst for N ₂ Reduction at Ambient Conditions. <i>Inorganic Chemistry</i> , 2019, 58, 2257-2260.	4.0	97
57	Ammonia Synthesis from Electrocatalytic N ₂ Reduction under Ambient Conditions by Fe ₂ O ₃ Nanorods. <i>ChemCatChem</i> , 2018, 10, 4530-4535.	3.7	95
58	Electrocatalytic N ₂ -to-NH ₃ conversion with high faradaic efficiency enabled using a Bi nanosheet array. <i>Chemical Communications</i> , 2019, 55, 5263-5266.	4.1	95
59	Cobalt phosphide nanowire array as an effective electrocatalyst for non-enzymatic glucose sensing. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1901-1904.	5.8	94
60	Rational design of a multidimensional N-doped porous carbon/MoS ₂ /CNT nano-architecture hybrid for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13835-13847.	10.3	93
61	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.	10.4	93
62	Spinel LiMn ₂ O ₄ Nanofiber: An Efficient Electrocatalyst for N ₂ Reduction to NH ₃ under Ambient Conditions. <i>Inorganic Chemistry</i> , 2019, 58, 9597-9601.	4.0	90
63	Ti ₂ O ₃ Nanoparticles with Ti ³⁺ Sites toward Efficient NH ₃ Electrosynthesis under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41715-41722.	8.0	89
64	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.	12.9	87
65	WO ₃ nanosheets rich in oxygen vacancies for enhanced electrocatalytic N ₂ reduction to NH ₃ . <i>Nanoscale</i> , 2019, 11, 19274-19277.	5.6	84
66	Metal-organic framework-derived shuttle-like V ₂ O ₃ /C for electrocatalytic N ₂ reduction under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 391-395.	6.0	79
67	Efficient electrohydrogenation of N ₂ to NH ₃ by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , 2019, 55, 4997-5000.	4.1	79
68	Electrocatalytic N ₂ -to-NH ₃ conversion using oxygen-doped graphene: experimental and theoretical studies. <i>Chemical Communications</i> , 2019, 55, 7502-7505.	4.1	78
69	A perovskite La ₂ Ti ₂ O ₇ nanosheet as an efficient electrocatalyst for artificial N ₂ fixation to NH ₃ in acidic media. <i>Chemical Communications</i> , 2019, 55, 6401-6404.	4.1	74
70	2020 Roadmap on gas-involved photo- and electro- catalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 2089-2109.	9.0	71
71	Greatly Enhanced Electrocatalytic N ₂ Reduction over V ₂ O ₃ /C by P Doping. <i>ChemNanoMat</i> , 2020, 6, 1315-1319.	2.8	71
72	Bi nanodendrites for efficient electrocatalytic N ₂ fixation to NH ₃ under ambient conditions. <i>Chemical Communications</i> , 2020, 56, 2107-2110.	4.1	71

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73	Fe(scp)-based coordination polymer nanoparticles: peroxidase-like catalytic activity and their application to hydrogen peroxide and glucose detection. <i>Catalysis Science and Technology</i> , 2012, 2, 432-436.	4.1	70
74	A Biomass-Derived Carbon-Based Electrocatalyst for Efficient N_2 Fixation to NH_3 under Ambient Conditions. <i>Chemistry - A European Journal</i> , 2019, 25, 1914-1917.	3.3	68
75	Unique nanosheet-nanowire structured CoMnFe layered triple hydroxide arrays as self-supporting electrodes for a high-efficiency oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13130-13141.	10.3	67
76	NiS ₂ nanosheet array: A high-active bifunctional electrocatalyst for hydrazine oxidation and water reduction toward energy-efficient hydrogen production. <i>Materials Today Energy</i> , 2017, 3, 9-14.	4.7	63
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.	9.9	63
78	Electrocatalytic N_2 Fixation over Hollow VO ₂ Microspheres at Ambient Conditions. <i>ChemElectroChem</i> , 2019, 6, 1014-1018.	3.4	59
79	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.	14.0	59
80	TiB ₂ thin film enabled efficient NH ₃ electrosynthesis at ambient conditions. <i>Materials Today Physics</i> , 2021, 18, 100396.	6.0	55
81	Biomass-derived oxygen-doped hollow carbon microtubes for electrocatalytic N_2 -to- NH_3 fixation under ambient conditions. <i>Chemical Communications</i> , 2019, 55, 2684-2687.	4.1	54
82	Cu ₃ P nanoparticle-reduced graphene oxide hybrid: an efficient electrocatalyst to realize N_2 -to- NH_3 conversion under ambient conditions. <i>Chemical Communications</i> , 2020, 56, 9328-9331.	4.1	54
83	Enabling electrochemical conversion of N_2 to NH_3 under ambient conditions by a CoP ₃ nanoneedle array. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17956-17959.	10.3	53
84	Hierarchically structured bimetallic electrocatalyst synthesized via template-directed fabrication MOF arrays for high-efficiency oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 298, 525-532.	5.2	51
85	Hollow Bi ₂ MoO ₆ Sphere Effectively Catalyzes the Ambient Electroreduction of N_2 to NH_3 . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12692-12696.	6.7	49
86	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.	6.0	49
87	Ti ³⁺ self-doped TiO _{2-x} nanowires for efficient electrocatalytic N_2 reduction to NH_3 . <i>Chemical Communications</i> , 2020, 56, 1074-1077.	4.1	49
88	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.	6.7	48
89	Electrocatalytic N ₂ reduction to NH ₃ with high Faradaic efficiency enabled by vanadium phosphide nanoparticle on V foil. <i>Nano Research</i> , 2020, 13, 2967-2972.	10.4	45
90	Activator-induced tuning of micromorphology and electrochemical properties in biomass carbonaceous materials derived from mushroom for lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2017, 242, 146-158.	5.2	44

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91	Hierarchical CoTe ₂ Nanowire Array: An Effective Oxygen Evolution Catalyst in Alkaline Media. ACS Sustainable Chemistry and Engineering, 2018, 6, 4481-4485.	6.7	44
92	Greatly Improving Electrochemical N ₂ Reduction over TiO ₂ Nanoparticles by Iron Doping. Angewandte Chemie, 2019, 131, 18620-18624.	2.0	44
93	Enabling the electrocatalytic fixation of N ₂ to NH ₃ by C-doped TiO ₂ nanoparticles under ambient conditions. Nanoscale Advances, 2019, 1, 961-964.	4.6	44
94	An Eco-friendly Microorganism Method To Activate Biomass for Cathode Materials for High-Performance Lithium-Sulfur Batteries. Energy & Fuels, 2018, 32, 9997-10007.	5.1	43
95	Nitrogen-Doped Hierarchical Porous Carbon Framework Derived from Waste Pig Nails for High-Performance Supercapacitors. ChemElectroChem, 2017, 4, 3181-3187.	3.4	41
96	La ₂ O ₃ nanoplate: An efficient electrocatalyst for artificial N ₂ fixation to NH ₃ with excellent selectivity at ambient condition. Electrochimica Acta, 2019, 298, 106-111.	5.2	38
97	Ambient electrocatalytic N ₂ reduction to NH ₃ by metal fluorides. Journal of Materials Chemistry A, 2019, 7, 17761-17765.	10.3	37
98	La-doped TiO ₂ nanorods toward boosted electrocatalytic N ₂ -to-NH ₃ conversion at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1755-1762.	14.0	35
99	Hierarchical nitrogen-doped porous carbon/carbon nanotube composites for high-performance supercapacitor. Superlattices and Microstructures, 2019, 130, 50-60.	3.1	34
100	Cu ₃ Mo ₂ O ₉ Nanosheet Array as a High-Efficiency Oxygen Evolution Electrode in Alkaline Solution. Inorganic Chemistry, 2018, 57, 1220-1225.	4.0	29
101	Cycling- and heating-induced evolution of piezoelectric and ferroelectric properties of CuO-doped K _{0.5} Na _{0.5} NbO ₃ ceramic. Journal of the American Ceramic Society, 2019, 102, 351-361.	3.8	29
102	Defect-driven evolution of piezoelectric and ferroelectric properties in CuSb ₂ O ₆ -doped K _{0.5} Na _{0.5} NbO ₃ lead-free ceramics. Journal of the American Ceramic Society, 2017, 100, 5610-5619.	3.8	27
103	Nanostructured Bromide-Derived Ag Film: An Efficient Electrocatalyst for N ₂ Reduction to NH ₃ under Ambient Conditions. Inorganic Chemistry, 2018, 57, 14692-14697.	4.0	27
104	Synergistic electrocatalytic N ₂ reduction using a PTCA nanorod-rGO hybrid. Journal of Materials Chemistry A, 2019, 7, 12446-12450.	10.3	27
105	Porous NiTe ₂ nanosheet array: An effective electrochemical sensor for glucose detection. Sensors and Actuators B: Chemical, 2018, 274, 427-432.	7.8	26
106	A comparative study of electrocatalytic oxidation of glucose on conductive Ni-MOF nanosheet arrays with different ligands. New Journal of Chemistry, 2020, 44, 17849-17853.	2.8	26
107	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 10677-10681.	2.0	26
108	Metal-Organic Framework-Derived ZnSe- and Co _{0.85} Se-Filled Porous Nitrogen-Doped Carbon Nanocubes Interconnected by Reduced Graphene Oxide for Sodium-Ion Battery Anodes. Inorganic Chemistry, 2021, 60, 11693-11702.	4.0	24

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109	Vanadium Doped Nickel Phosphide Nanosheets Self-Assembled Microspheres as a High-Efficiency Oxygen Evolution Catalyst. <i>ChemCatChem</i> , 2020, 12, 917-925.	3.7	22
110	Oxygen-Doped Porous Carbon Nanosheet for Efficient N_2 Fixation to NH_3 at Ambient Conditions. <i>ChemistrySelect</i> , 2019, 4, 3547-3550.	1.5	21
111	Hydrangea flower-like nanostructure of dysprosium-doped Fe-MOF for highly efficient oxygen evolution reaction. <i>Rare Metals</i> , 2022, 41, 844-850.	7.1	17
112	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. <i>Materials Advances</i> , 2022, 3, 1359-1400.	5.4	17
113	Ambient electrochemical N_2 reduction to NH_3 under alkaline conditions enabled by a layered $K_2Ti_4O_9$ nanobelt. <i>Chemical Communications</i> , 2019, 55, 7546-7549.	4.1	16
114	Structured Polyaniline: An Efficient and Durable Electrocatalyst for the Nitrogen Reduction Reaction in Acidic Media. <i>ChemElectroChem</i> , 2019, 6, 2215-2218.	3.4	16
115	Hornwort-like hollow porous MoO_3/NiF_2 heterogeneous nanowires as high-performance electrocatalysts for efficient water oxidation. <i>Electrochimica Acta</i> , 2021, 379, 138146.	5.2	16
116	Modulation of the Crystal Structure and Ultralong Life Span of a $Na_3V_2(PO_4)_3$ -Based Cathode for a High-Performance Sodium-Ion Battery by Niobium-Vanadium Substitution. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 21039-21046.	3.7	15
117	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N_2 Reduction to NH_3 . <i>Inorganic Chemistry</i> , 2021, 60, 7584-7589.	4.0	15
118	3D shell-core structured $NiCu-OH@Cu(OH)_2$ nanorod: A high-performance catalytic electrode for non-enzymatic glucose detection. <i>Journal of Electroanalytical Chemistry</i> , 2020, 876, 114477.	3.8	14
119	One-Step Synthesis of a Coral-Like Cobalt Iron Oxyhydroxide Porous Nanoarray: An Efficient Catalyst for Oxygen Evolution Reactions. <i>ChemPlusChem</i> , 2019, 84, 1681-1687.	2.8	13
120	Highly Enhanced OER Performance by Er-Doped Fe-MOF Nanoarray at Large Current Densities. <i>Nanomaterials</i> , 2021, 11, 1847.	4.1	8
121	Mn-Doped NiFe Layered Double Hydroxide Nanosheets Decorated by $Co(OH)_2$ Nanosheets: A 3-Dimensional Core-Shell Catalyst for Efficient Oxygen Evolution Reaction. <i>Catalysis Letters</i> , 2022, 152, 1719-1728.	2.6	5
122	$Ag@TiO_2$ as an Efficient Electrocatalyst for N_2 Fixation to NH_3 under Ambient Conditions. <i>ChemistrySelect</i> , 2021, 6, 5271-5274.	1.5	3
123	Communication-Fe-MOF Exhibits Higher Oxygen Evolution Ability by Electronic Modulation of Sodium Hypochlorite. <i>Journal of the Electrochemical Society</i> , 2021, 168, 126508.	2.9	3