

# Fengyu Xie

## List of Publications by Year in Descending Order

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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.

122  
papers

14,387  
citations

63  
h-index

119  
g-index

123  
ext. papers

16,851  
ext. citations

8.4  
avg, IF

7.15  
L-index

#	Paper	IF	Citations
122	Ambient electrochemical N <sub>2</sub> -to-NH <sub>3</sub> conversion catalyzed by TiO <sub>2</sub> decorated juncus effusus-derived carbon microtubes. <i>Inorganic Chemistry Frontiers</i> , <b>2022</b> , 9, 1514-1519	6.8	9
121	Hydrangea flower-like nanostructure of dysprosium-doped Fe-MOF for highly efficient oxygen evolution reaction. <i>Rare Metals</i> , <b>2021</b> , 41, 844	5.5	2
120	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N <sub>2</sub> Reduction Reaction under Ambient Condition. <i>Small Science</i> , <b>2021</b> , 1, 200069		33
119	Honeycomb Carbon Nanofibers: A Superhydrophilic O <sub>2</sub> -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10677-10681	3.6	12
118	Honeycomb Carbon Nanofibers: A Superhydrophilic O <sub>2</sub> -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10583-10587	16.4	76
117	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N Reduction to NH <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 7584-7589	5.1	2
116	Hornwort-like hollow porous MoO <sub>3</sub> /NiF <sub>2</sub> heterogeneous nanowires as high-performance electrocatalysts for efficient water oxidation. <i>Electrochimica Acta</i> , <b>2021</b> , 379, 138146	6.7	6
115	TiB <sub>2</sub> thin film enabled efficient NH <sub>3</sub> electrosynthesis at ambient conditions. <i>Materials Today Physics</i> , <b>2021</b> , 18, 100396	8	37
114	Ag@TiO <sub>2</sub> as an Efficient Electrocatalyst for N <sub>2</sub> Fixation to NH <sub>3</sub> under Ambient Conditions. <i>ChemistrySelect</i> , <b>2021</b> , 6, 5271-5274	1.8	3
113	Metal-Organic Framework-Derived ZnSe- and CoSe-Filled Porous Nitrogen-Doped Carbon Nanocubes Interconnected by Reduced Graphene Oxide for Sodium-Ion Battery Anodes. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11693-11702	5.1	3
112	Highly Enhanced OER Performance by Er-Doped Fe-MOF Nanoarray at Large Current Densities. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
111	Commercial indium-tin oxide glass: A catalyst electrode for efficient N <sub>2</sub> reduction at ambient conditions. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1024-1029	11.3	44
110	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. <i>Nano Research</i> , <b>2021</b> , 14, 555-569	10	84
109	Modulating Oxygen Vacancies of TiO <sub>2</sub> Nanospheres by Mn-Doping to Boost Electrocatalytic N <sub>2</sub> Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 1512-1517	8.3	18
108	TiO Nanoparticles with Ti Sites toward Efficient NH <sub>3</sub> Electrosynthesis under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 41715-41722	9.5	32
107	Mn-Doped NiFe Layered Double Hydroxide Nanosheets Decorated by Co(OH) <sub>2</sub> Nanosheets: A 3-Dimensional Core-Shell Catalyst for Efficient Oxygen Evolution Reaction. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	1
106	La-doped TiO <sub>2</sub> nanorods toward boosted electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> conversion at ambient conditions. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 1755-1762	11.3	14

105	Modulation of the Crystal Structure and Ultralong Life Span of a Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -Based Cathode for a High-Performance Sodium-Ion Battery by Niobium/Vanadium Substitution. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 21039-21046	3.9	5
104	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5411-5415	7.3	63
103	Identifying the Origin of Ti Activity toward Enhanced Electrocatalytic N Reduction over TiO Nanoparticles Modulated by Mixed-Valent Copper. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000299	24	171
102	Greatly Enhanced Electrocatalytic N <sub>2</sub> Reduction over V <sub>2</sub> O <sub>3</sub> /C by P Doping. <i>ChemNanoMat</i> , <b>2020</b> , 6, 1315-1319	3.5	62
101	Bi nanodendrites for efficient electrocatalytic N fixation to NH under ambient conditions. <i>Chemical Communications</i> , <b>2020</b> , 56, 2107-2110	5.8	55
100	Bimetal-organic framework MIL-53(Co-Fe): an efficient and robust electrocatalyst for the oxygen evolution reaction. <i>Nanoscale</i> , <b>2020</b> , 12, 67-71	7.7	50
99	Ti self-doped TiO nanowires for efficient electrocatalytic N reduction to NH. <i>Chemical Communications</i> , <b>2020</b> , 56, 1074-1077	5.8	29
98	Aqueous electrocatalytic N <sub>2</sub> reduction for ambient NH <sub>3</sub> synthesis: recent advances in catalyst development and performance improvement. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1545-1556	13	158
97	Vanadium Doped Nickel Phosphide Nanosheets Self-Assembled Microspheres as a High-Efficiency Oxygen Evolution Catalyst. <i>ChemCatChem</i> , <b>2020</b> , 12, 917-925	5.2	8
96	A comparative study of electrocatalytic oxidation of glucose on conductive Ni-MOF nanosheet arrays with different ligands. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 17849-17853	3.6	10
95	Electrochemical non-enzymatic glucose sensors: recent progress and perspectives. <i>Chemical Communications</i> , <b>2020</b> , 56, 14553-14569	5.8	79
94	CuP nanoparticle-reduced graphene oxide hybrid: an efficient electrocatalyst to realize N-to-NH conversion under ambient conditions. <i>Chemical Communications</i> , <b>2020</b> , 56, 9328-9331	5.8	38
93	Electrocatalytic N <sub>2</sub> reduction to NH <sub>3</sub> with high Faradaic efficiency enabled by vanadium phosphide nanoparticle on V foil. <i>Nano Research</i> , <b>2020</b> , 13, 2967-2972	10	32
92	3D shell-core structured NiCu-OH@Cu(OH) <sub>2</sub> nanorod: A high-performance catalytic electrode for non-enzymatic glucose detection. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 876, 114477	4.1	10
91	Enabling electrochemical conversion of N <sub>2</sub> to NH <sub>3</sub> under ambient conditions by a CoP <sub>3</sub> nanoneedle array. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 17956-17959	13	35
90	Porous LaFeO <sub>3</sub> nanofiber with oxygen vacancies as an efficient electrocatalyst for N <sub>2</sub> conversion to NH <sub>3</sub> under ambient conditions. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 50, 402-408	12	62
89	Greatly Improving Electrochemical N Reduction over TiO Nanoparticles by Iron Doping. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18449-18453	16.4	250
88	Metal-organic framework-derived shuttle-like V <sub>2</sub> O <sub>3</sub> /C for electrocatalytic N <sub>2</sub> reduction under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 391-395	6.8	65

87	CrO Nanoparticle-Reduced Graphene Oxide Hybrid: A Highly Active Electrocatalyst for N Reduction at Ambient Conditions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2257-2260	5.1	79
86	Biomass-derived oxygen-doped hollow carbon microtubes for electrocatalytic N-to-NH fixation under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 2684-2687	5.8	39
85	Insights into defective TiO in electrocatalytic N reduction: combining theoretical and experimental studies. <i>Nanoscale</i> , <b>2019</b> , 11, 1555-1562	7.7	95
84	Ambient electrochemical N <sub>2</sub> -to-NH <sub>3</sub> fixation enabled by Nb <sub>2</sub> O <sub>5</sub> nanowire array. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 423-427	6.8	33
83	Greatly Enhanced Electrocatalytic N <sub>2</sub> Reduction on TiO <sub>2</sub> via V Doping. <i>Small Methods</i> , <b>2019</b> , 3, 1900356	12.8	117
82	Ambient electrohydrogenation of N <sub>2</sub> for NH <sub>3</sub> synthesis on non-metal boron phosphide nanoparticles: the critical role of P in boosting the catalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16117-16121	13	84
81	WO nanosheets rich in oxygen vacancies for enhanced electrocatalytic N reduction to NH <sub>3</sub> . <i>Nanoscale</i> , <b>2019</b> , 11, 19274-19277	7.7	61
80	Ambient electrochemical N reduction to NH <sub>3</sub> under alkaline conditions enabled by a layered KTiO nanobelts. <i>Chemical Communications</i> , <b>2019</b> , 55, 7546-7549	5.8	10
79	Electrocatalytic N-to-NH conversion using oxygen-doped graphene: experimental and theoretical studies. <i>Chemical Communications</i> , <b>2019</b> , 55, 7502-7505	5.8	63
78	A perovskite LaTiO nanosheet as an efficient electrocatalyst for artificial N fixation to NH <sub>3</sub> in acidic media. <i>Chemical Communications</i> , <b>2019</b> , 55, 6401-6404	5.8	58
77	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> , <b>2019</b> , 7, 13130-13141	13	49
76	Boron Nanosheet: An Elemental Two-Dimensional (2D) Material for Ambient Electrocatalytic N <sub>2</sub> -to-NH <sub>3</sub> Fixation in Neutral Media. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4609-4615	13.1	180
75	Synergistic electrocatalytic N <sub>2</sub> reduction using a PTCA nanorod-EGO hybrid. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12446-12450	13	19
74	Boosting electrocatalytic N reduction by MnO with oxygen vacancies. <i>Chemical Communications</i> , <b>2019</b> , 55, 4627-4630	5.8	83
73	Hexagonal boron nitride nanosheet for effective ambient N <sub>2</sub> fixation to NH <sub>3</sub> . <i>Nano Research</i> , <b>2019</b> , 12, 919-924	10	88
72	Defect-rich fluorographene nanosheets for artificial N fixation under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 4266-4269	5.8	87
71	Oxygen-Doped Porous Carbon Nanosheet for Efficient N <sub>2</sub> Fixation to NH <sub>3</sub> at Ambient Conditions. <i>ChemistrySelect</i> , <b>2019</b> , 4, 3547-3550	1.8	19
70	Boosting electrocatalytic N reduction to NH <sub>3</sub> on FeOOH by fluorine doping. <i>Chemical Communications</i> , <b>2019</b> , 55, 3987-3990	5.8	86

69	Mn3O4 nanoparticles@reduced graphene oxide composite: An efficient electrocatalyst for artificial N2 fixation to NH3 at ambient conditions. <i>Nano Research</i> , <b>2019</b> , 12, 1093-1098	10	66
68	Electrocatalytic N-to-NH conversion with high faradaic efficiency enabled using a Bi nanosheet array. <i>Chemical Communications</i> , <b>2019</b> , 55, 5263-5266	5.8	84
67	Hierarchical nitrogen-doped porous carbon/carbon nanotube composites for high-performance supercapacitor. <i>Superlattices and Microstructures</i> , <b>2019</b> , 130, 50-60	2.8	18
66	Efficient electrohydrogenation of N to NH by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 4997-5000	5.8	66
65	Structured Polyaniline: An Efficient and Durable Electrocatalyst for the Nitrogen Reduction Reaction in Acidic Media. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2215-2218	4.3	8
64	Sulfur-doped graphene for efficient electrocatalytic N-to-NH fixation. <i>Chemical Communications</i> , <b>2019</b> , 55, 3371-3374	5.8	131
63	Cycling- and heating-induced evolution of piezoelectric and ferroelectric properties of CuO-doped K0.5Na0.5NbO3 ceramic. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 351-361	3.8	21
62	Spinel LiMnO Nanofiber: An Efficient Electrocatalyst for N Reduction to NH under Ambient Conditions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9597-9601	5.1	72
61	Recent progress in the electrochemical ammonia synthesis under ambient conditions. <i>EnergyChem</i> , <b>2019</b> , 1, 100011	36.9	105
60	Hollow Bi2MoO6 Sphere Effectively Catalyzes the Ambient Electroreduction of N2 to NH3. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 12692-12696	8.3	31
59	An MnO2@Ti3C2Tx MXene nanohybrid: an efficient and durable electrocatalyst toward artificial N2 fixation to NH3 under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18823-18827	13	73
58	Ambient electrocatalytic N2 reduction to NH3 by metal fluorides. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17761-17765	13	26
57	One-Step Synthesis of a Coral-Like Cobalt Iron Oxyhydroxide Porous Nanoarray: An Efficient Catalyst for Oxygen Evolution Reactions. <i>ChemPlusChem</i> , <b>2019</b> , 84, 1681-1687	2.8	10
56	Greatly Improving Electrochemical N2 Reduction over TiO2 Nanoparticles by Iron Doping. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18620-18624	3.6	31
55	Sulfur dots-graphene nanohybrid: a metal-free electrocatalyst for efficient N-to-NH fixation under ambient conditions. <i>Chemical Communications</i> , <b>2019</b> , 55, 3152-3155	5.8	88
54	2020 Roadmap on gas-involved photo- and electro- catalysis. <i>Chinese Chemical Letters</i> , <b>2019</b> , 30, 2089-2109	10	59
53	Co-MOF nanosheet array: A high-performance electrochemical sensor for non-enzymatic glucose detection. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 278, 126-132	8.5	151
52	La2O3 nanoplate: An efficient electrocatalyst for artificial N2 fixation to NH3 with excellent selectivity at ambient condition. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 106-111	6.7	31

51	Electrocatalytic Hydrogenation of N to NH by MnO: Experimental and Theoretical Investigations. <i>Advanced Science</i> , <b>2019</b> , 6, 1801182	13.6	92
50	Boron-Doped TiO <sub>2</sub> for Efficient Electrocatalytic N <sub>2</sub> Fixation to NH <sub>3</sub> at Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 117-122	8.3	94
49	Enhancing Electrocatalytic N <sub>2</sub> Reduction to NH <sub>3</sub> by CeO <sub>2</sub> Nanorod with Oxygen Vacancies. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2889-2893	8.3	71
48	Hierarchically structured bimetallic electrocatalyst synthesized via template-directed fabrication MOF arrays for high-efficiency oxygen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 525-532	6.7	39
47	S-Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N <sub>2</sub> Fixation to NH <sub>3</sub> . <i>Small Methods</i> , <b>2019</b> , 3, 1800251	12.8	135
46	Electrocatalytic N <sub>2</sub> Fixation over Hollow VO <sub>2</sub> Microspheres at Ambient Conditions. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1014-1018	4.3	43
45	Enabling the electrocatalytic fixation of N <sub>2</sub> to NH <sub>3</sub> by C-doped TiO <sub>2</sub> nanoparticles under ambient conditions. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 961-964	5.1	29
44	A Biomass-Derived Carbon-Based Electrocatalyst for Efficient N Fixation to NH under Ambient Conditions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1914-1917	4.8	51
43	Hierarchical CoTe <sub>2</sub> Nanowire Array: An Effective Oxygen Evolution Catalyst in Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4481-4485	8.3	32
42	An Fe-MOF nanosheet array with superior activity towards the alkaline oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1405-1408	6.8	73
41	An Fe(TCNQ) nanowire array on Fe foil: an efficient non-noble-metal catalyst for the oxygen evolution reaction in alkaline media. <i>Chemical Communications</i> , <b>2018</b> , 54, 2300-2303	5.8	102
40	CuMoO Nanosheet Array as a High-Efficiency Oxygen Evolution Electrode in Alkaline Solution. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 1220-1225	5.1	24
39	MoO <sub>3</sub> nanosheets for efficient electrocatalytic N <sub>2</sub> fixation to NH <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 12974-12977	13	227
38	FeP nanorod arrays on carbon cloth: a high-performance anode for sodium-ion batteries. <i>Chemical Communications</i> , <b>2018</b> , 54, 9341-9344	5.8	76
37	Ambient N <sub>2</sub> fixation to NH <sub>3</sub> at ambient conditions: Using Nb <sub>2</sub> O <sub>5</sub> nanofiber as a high-performance electrocatalyst. <i>Nano Energy</i> , <b>2018</b> , 52, 264-270	17.1	256
36	Porous NiTe <sub>2</sub> nanosheet array: An effective electrochemical sensor for glucose detection. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 274, 427-432	8.5	18
35	High-Efficiency Electrosynthesis of Ammonia with High Selectivity under Ambient Conditions Enabled by VN Nanosheet Array. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9545-9549	8.3	127
34	Ambient N fixation to NH electrocatalyzed by a spinel FeO nanorod. <i>Nanoscale</i> , <b>2018</b> , 10, 14386-14389	7.7	142

33	Efficient Electrochemical N <sub>2</sub> Reduction to NH <sub>3</sub> on MoN Nanosheets Array under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9550-9554	8.3	164
32	Enabling Effective Electrocatalytic N Conversion to NH <sub>3</sub> by the TiO <sub>2</sub> Nanosheets Array under Ambient Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28251-28255	9.5	174
31	Ammonia Synthesis from Electrocatalytic N <sub>2</sub> Reduction under Ambient Conditions by Fe <sub>2</sub> O <sub>3</sub> Nanorods. <i>ChemCatChem</i> , <b>2018</b> , 10, 4530-4535	5.2	67
30	High-Performance Electrohydrogenation of N <sub>2</sub> to NH <sub>3</sub> Catalyzed by Multishelled Hollow Cr <sub>2</sub> O <sub>3</sub> Microspheres under Ambient Conditions. <i>ACS Catalysis</i> , <b>2018</b> , 8, 8540-8544	13.1	218
29	Rational design of a multidimensional N-doped porous carbon/MoS <sub>2</sub> /CNT nano-architecture hybrid for high performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13835-13847	13	74
28	Ambient NH <sub>3</sub> synthesis via electrochemical reduction of N <sub>2</sub> over cubic sub-micron SnO <sub>2</sub> particles. <i>Chemical Communications</i> , <b>2018</b> , 54, 12966-12969	5.8	115
27	Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> (T = F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N <sub>2</sub> to NH <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24031-24035	13	169
26	Nanostructured Bromide-Derived Ag Film: An Efficient Electrocatalyst for N <sub>2</sub> Reduction to NH <sub>3</sub> under Ambient Conditions. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14692-14697	5.1	22
25	Mn <sub>2</sub> O <sub>3</sub> Nanocube: An Efficient Electrocatalyst Toward Artificial N <sub>2</sub> Fixation to NH <sub>3</sub> . <i>Small</i> , <b>2018</b> , 14, e1803111	11	100
24	Ag nanosheets for efficient electrocatalytic N <sub>2</sub> fixation to NH <sub>3</sub> under ambient conditions. <i>Chemical Communications</i> , <b>2018</b> , 54, 11427-11430	5.8	185
23	An Eco-friendly Microorganism Method To Activate Biomass for Cathode Materials for High-Performance Lithium-Sulfur Batteries. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 9997-10007	4.1	35
22	Electrochemical Ammonia Synthesis via Nitrogen Reduction Reaction on a MoS <sub>2</sub> Catalyst: Theoretical and Experimental Studies. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800191	24	524
21	Electrochemical N <sub>2</sub> fixation to NH <sub>3</sub> under ambient conditions: MoN nanorod as a highly efficient and selective catalyst. <i>Chemical Communications</i> , <b>2018</b> , 54, 8474-8477	5.8	224
20	NiS <sub>2</sub> nanosheet array: A high-active bifunctional electrocatalyst for hydrazine oxidation and water reduction toward energy-efficient hydrogen production. <i>Materials Today Energy</i> , <b>2017</b> , 3, 9-14	7	47
19	Copper-Nitride Nanowires Array: An Efficient Dual-Functional Catalyst Electrode for Sensitive and Selective Non-Enzymatic Glucose and Hydrogen Peroxide Sensing. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4986-4989	4.8	114
18	Cobalt phosphide nanowire array as an effective electrocatalyst for non-enzymatic glucose sensing. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 1901-1904	7.3	83
17	Activator-induced tuning of micromorphology and electrochemical properties in biomass carbonaceous materials derived from mushroom for lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 242, 146-158	6.7	38
16	High-Performance Electrolytic Oxygen Evolution in Neutral Media Catalyzed by a Cobalt Phosphate Nanoarray. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1064-1068	16.4	305

15	An amorphous Co-carbonate-hydroxide nanowire array for efficient and durable oxygen evolution reaction in carbonate electrolytes. <i>Nanoscale</i> , <b>2017</b> , 9, 16612-16615	7.7	145
14	Nitrogen-Doped Hierarchical Porous Carbon Framework Derived from Waste Pig Nails for High-Performance Supercapacitors. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3181-3187	4.3	32
13	Defect-driven evolution of piezoelectric and ferroelectric properties in CuSb <sub>2</sub> O <sub>6</sub> -doped K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> lead-free ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5610-5619	3.8	19
12	Fe-Doped CoP Nanoarray: A Monolithic Multifunctional Catalyst for Highly Efficient Hydrogen Generation. <i>Advanced Materials</i> , <b>2017</b> , 29, 1602441	24	690
11	Ternary NiCoP nanosheet array on a Ti mesh: a high-performance electrochemical sensor for glucose detection. <i>Chemical Communications</i> , <b>2016</b> , 52, 14438-14441	5.8	84
10	Electrodeposited Co-doped NiSe <sub>2</sub> nanoparticles film: a good electrocatalyst for efficient water splitting. <i>Nanoscale</i> , <b>2016</b> , 8, 3911-5	7.7	299
9	Three-Dimensional Ni <sub>2</sub> P Nanoarray: An Efficient Catalyst Electrode for Sensitive and Selective Nonenzymatic Glucose Sensing with High Specificity. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 7885-9	7.8	172
8	NiSe Nanowire Film Supported on Nickel Foam: An Efficient and Stable 3D Bifunctional Electrode for Full Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9351-5	16.4	1100
7	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> , <b>2014</b> , 136, 7587-90	16.4	1859
6	Closely interconnected network of molybdenum phosphide nanoparticles: a highly efficient electrocatalyst for generating hydrogen from water. <i>Advanced Materials</i> , <b>2014</b> , 26, 5702-7	24	722
5	A cost-effective 3D hydrogen evolution cathode with high catalytic activity: FeP nanowire array as the active phase. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12855-9	16.4	736
4	Ni foam: a novel three-dimensional porous sensing platform for sensitive and selective nonenzymatic glucose detection. <i>Analyst, The</i> , <b>2013</b> , 138, 417-20	5	134
3	Fe(III)-based coordination polymer nanoparticles: peroxidase-like catalytic activity and their application to hydrogen peroxide and glucose detection. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 432-436	5.5	64
2	Self-assembled graphene platelet-glucose oxidase nanostructures for glucose biosensing. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 4491-6	11.8	158
1	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. <i>Materials Advances</i> ,	3.3	1