Qian Liu

List of Publications by Year in Descending Order

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	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	13	6
145	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo2O4 nanosheet array. *Materials Today Physics*, **2022**, 23, 100619	8	11
144	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH3 at ambient conditions. *Materials Today Physics*, **2022**, 22, 100611	8	12
143	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. *International Journal of Hydrogen Energy*, **2022**, 47, 3580-3586	6.7	22
142	Iron-doped cobalt oxide nanoarray for efficient electrocatalytic nitrate-to-ammonia conversion.. *Journal of Colloid and Interface Science*, **2022**, 615, 636-642	9.3	5
141	Ambient Ammonia Synthesis via Electrochemical Reduction of Nitrate Enabled by NiCo O Nanowire Array.. *Small*, **2022**, e2106961	11	27
140	High-efficiency ammonia electrosynthesis on self-supported Co2AlO4 nanoarray in neutral media by selective reduction of nitrate. *Chemical Engineering Journal*, **2022**, 435, 135104	14.7	9
139	Recent advances in MoS-based materials for electrocatalysis.. *Chemical Communications*, **2022**,	5.8	4
138	Polyrrole-encapsulated Cu2Se nanosheets in situ grown on Cu mesh for high stability sodium-ion battery anode. *Chemical Engineering Journal*, **2022**, 433, 134477	14.7	5
137	Improving the intrinsic electronic conductivity of NiMoO4 anodes by phosphorous doping for high lithium storage. *Nano Research*, **2022**, 15, 186	10	18
136	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. *Journal of Colloid and Interface Science*, **2022**, 606, 1055-1063	9.3	17
135	Co-NCNT nanohybrid as a highly active catalyst for the electroreduction of nitrate to ammonia.. *Chemical Communications*, **2022**,	5.8	1
134	Ambient electrochemical N2-to-NH3 conversion catalyzed by TiO2 decorated juncus effusus-derived carbon microtubes. *Inorganic Chemistry Frontiers*, **2022**, 9, 1514-1519	6.8	9
133	A TiO nanobelt array with oxygen vacancies: an efficient electrocatalyst toward nitrite conversion to ammonia.. *Chemical Communications*, **2022**,	5.8	4
132	Coupling denitrification and ammonia synthesis via selective electrochemical reduction of nitric oxide over Fe2O3 nanorods. *Journal of Materials Chemistry A*, **2022**, 10, 6454-6462	13	4
131	Amorphous Boron Carbide on Titanium Dioxide Nanobelt Arrays for High-Efficiency Electrocatalytic NO Reduction to NH3.. *Angewandte Chemie - International Edition*, **2022**,	16.4	13
130	High-efficiency NO electroreduction to NH over honeycomb carbon nanofiber at ambient conditions.. *Journal of Colloid and Interface Science*, **2022**, 616, 261-267	9.3	2

129	Nitrite reduction over Ag nanoarray electrocatalyst for ammonia synthesis. *Journal of Colloid and Interface Science*, **2022**,	9.3	4
128	Cu nanoparticles decorated juncus-derived carbon for efficient electrocatalytic nitrite-to-ammonia conversion. *Journal of Colloid and Interface Science*, **2022**, 624, 394-399	9.3	2
127	High-performance NH production NO electroreduction over a NiO nanosheet array. *Chemical Communications*, **2021**,	5.8	14
126	Boosting electrochemical nitrite-ammonia conversion properties by a Cu foam@CuO catalyst.. *Chemical Communications*, **2021**,	5.8	5
125	Plasma-induced defective TiO2-x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H2O2 electrosynthesis. *Chem Catalysis*, **2021**,		17
124	Functional integration of hierarchical core□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	13	9
123	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	13	7
122	Electrocatalytic H2O2 production via two-electron O2 reduction by Mo-doped TiO2 nanocrystallines. *Catalysis Science and Technology*, **2021**, 11, 6970-6974	5.5	1
121	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	13	12
120	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. *Chinese Chemical Letters*, **2021**,	8.1	24
119	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N2 Reduction Reaction under Ambient Condition. *Small Science*, **2021**, 1, 2000069		33
118	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. *Catalysis Letters*, **2021**, 151, 3516	2.8	10
117	Honeycomb Carbon Nanofibers: A Superhydrophilic O2-Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. *Angewandte Chemie*, **2021**, 133, 10677-10681	3.6	12
116	Honeycomb Carbon Nanofibers: A Superhydrophilic O -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2021**, 60, 10583-10587	16.4	76
115	2021 Roadmap: electrocatalysts for green catalytic processes. *JPhys Materials*, **2021**, 4, 022004	4.2	24
114	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N Reduction to NH. *Inorganic Chemistry*, **2021**, 60, 7584-7589	5.1	2
113	N-doped carbon nanotubes supported CoSe nanoparticles: A highly efficient and stable catalyst for HO electrosynthesis in acidic media. *Nano Research*, **2021**, 15, 1-6	10	19
112	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. *Materials Today Physics* , **2021**, 18, 100396	8	37

111	Co-MOF Nanosheet Arrays for Efficient Alkaline Oxygen Evolution Electrocatalysis. *ChemNanoMat*, **2021**, 7, 906-909	3.5	11
110	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. *ACS Applied Materials & Interfaces*, **2021**, 13, 30693-30702	9.5	7
109	Ag@TiO2 as an Efficient Electrocatalyst for N2 Fixation to NH3 under Ambient Conditions. *ChemistrySelect*, **2021**, 6, 5271-5274	1.8	3
108	Enhanced Electrochemical HO Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO. *ACS Applied Materials & Interfaces*, **2021**, 13, 33182-33187	9.5	24
107	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. *Small Structures*, **2021**, 2, 2000048	8.7	86
106	Rational design of carbon materials as anodes for potassium-ion batteries. *Energy Storage Materials* , **2021**, 34, 483-507	19.4	59
105	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. *Electrochemistry Communications*, **2021**, 122, 106881	5.1	25
104	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. *Chinese Journal of Catalysis*, **2021**, 42, 1024-1029	11.3	44
103	A magnetron sputtered Mo3Si thin film: an efficient electrocatalyst for N2 reduction under ambient conditions. *Journal of Materials Chemistry A*, **2021**, 9, 884-888	13	53
102	Iron-group electrocatalysts for ambient nitrogen reduction reaction in aqueous media. *Nano Research*, **2021**, 14, 555-569	10	84
101	One-dimensional conductive metal□organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. *Journal of Materials Chemistry A*, **2021**, 9, 20345-20349	13	9
100	Hexagonal boron nitride nanosheet as an effective nanoquencher for the fluorescence detection of microRNA. *Chemical Communications*, **2021**, 57, 8039-8042	5.8	7
99	Modulating Oxygen Vacancies of TiO2 Nanospheres by Mn-Doping to Boost Electrocatalytic N2 Reduction. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1512-1517	8.3	18
98	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. *Green Chemistry*, **2021**, 23, 2834-2867	10	40
97	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobalt-phosphorus alloy film. *Chemical Communications*, **2021**, 57, 9720-9723	5.8	19
96	Self-supported NiS@NiP/MoS heterostructures on nickel foam for an outstanding oxygen evolution reaction and efficient overall water splitting. *Dalton Transactions*, **2021**, 50, 15094-15102	4.3	9
95	Recent advances in perovskite oxides as electrode materials for supercapacitors. *Chemical Communications*, **2021**, 57, 2343-2355	5.8	29
94	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 11879-11907	13	28

93	Electrochemical nitrogen reduction: recent progress and prospects. *Chemical Communications*, **2021**, 57, 7335-7349	5.8	13
92	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. *Journal of Materials Chemistry A*, **2021**, 9, 6650-6670	13	48
91	TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions. *ACS Applied Materials & Interfaces*, **2021**, 13, 41715-41722	9.5	32
90	Monodisperse Cu Cluster-Loaded Defective ZrO Nanofibers for Ambient N Fixation to NH. *ACS Applied Materials & Interfaces*, **2021**, 13, 40724-40730	9.5	2
89	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	5.1	36
88	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO by Mn Doping. *ACS Applied Materials & Interfaces*, **2021**, 13, 46659-46664	9.5	14
87	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. *Angewandte Chemie - International Edition*, **2021**, 60, 25263-25268	16.4	42
86	La-doped TiO2 nanorods toward boosted electrocatalytic N2-to-NH3 conversion at ambient conditions. *Chinese Journal of Catalysis*, **2021**, 42, 1755-1762	11.3	14
85	Recent advances in strategies for highly selective electrocatalytic N2 reduction toward ambient NH3 synthesis. *Current Opinion in Electrochemistry*, **2021**, 29, 100766	7.2	43
84	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. *Journal of Colloid and Interface Science*, **2021**, 604, 319-326	9.3	9
83	An amorphous WC thin film enabled high-efficiency N reduction electrocatalysis under ambient conditions. *Chemical Communications*, **2021**, 57, 7806-7809	5.8	19
82	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	13	39
81	High-efficiency electrochemical nitrite reduction to ammonium using a Cu3P nanowire array under ambient conditions. *Green Chemistry*, **2021**, 23, 5487-5493	10	25
80	A Cr-FeOOH@Ni-P/NF binder-free electrode as an excellent oxygen evolution reaction electrocatalyst. *Nanoscale*, **2021**, 13, 17003-17010	7.7	6
79	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	13	45
78	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS2 nanosheets. *Journal of Materials Chemistry A*, **2021**, 9, 6117-6122	13	45
77	Oxidation-etching induced morphology regulation of Cu catalysts for high-performance electrochemical N2 reduction. *EcoMat*, **2020**, 2, e12026	9.4	7
76	High-performance non-enzymatic glucose detection: using a conductive Ni-MOF as an electrocatalyst. *Journal of Materials Chemistry B*, **2020**, 8, 5411-5415	7.3	63

75	A cobalt□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	5.8	94
74	Identifying the Origin of Ti Activity toward Enhanced Electrocatalytic N Reduction over TiO Nanoparticles Modulated by Mixed-Valent Copper. *Advanced Materials*, **2020**, 32, e2000299	24	171
73	Sn dendrites for electrocatalytic N2 reduction to NH3 under ambient conditions. *Sustainable Energy and Fuels*, **2020**, 4, 4469-4472	5.8	43
72	CuO@CoFe Layered Double Hydroxide Core-Shell Heterostructure as an Efficient Water Oxidation Electrocatalyst under Mild Alkaline Conditions. *Inorganic Chemistry*, **2020**, 59, 9491-9495	5.1	37
71	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. *Nanoscale*, **2020**, 12, 5359-5362	7.7	68
70	Ambient electrochemical NH synthesis from N and water enabled by ZrO nanoparticles. *Chemical Communications*, **2020**, 56, 3673-3676	5.8	54
69	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. *Advanced Functional Materials*, **2020**, 30, 2002731	15.6	38
68	Recent Progress in Metal-Free Electrocatalysts toward Ambient N2 Reduction Reaction. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2009043-0	3.8	20
67	Highly Selective Electrochemical Reduction of CO to Alcohols on an FeP Nanoarray. *Angewandte Chemie - International Edition*, **2020**, 59, 758-762	16.4	73
66	Unusual electrochemical N reduction activity in an earth-abundant iron catalyst via phosphorous modulation. *Chemical Communications*, **2020**, 56, 731-734	5.8	19
65	Ti self-doped TiO nanowires for efficient electrocatalytic N reduction to NH. *Chemical Communications*, **2020**, 56, 1074-1077	5.8	29
64	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	13	158
63	Noble-metal-free electrocatalysts toward H2O2 production. *Journal of Materials Chemistry A*, **2020**, 8, 23123-23141	13	53
62	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	12	62
61	Greatly Improving Electrochemical N Reduction over TiO Nanoparticles by Iron Doping. *Angewandte Chemie - International Edition*, **2019**, 58, 18449-18453	16.4	250
60	CrO Nanoparticle-Reduced Graphene Oxide Hybrid: A Highly Active Electrocatalyst for N Reduction at Ambient Conditions. *Inorganic Chemistry*, **2019**, 58, 2257-2260	5.1	79
59	Ambient electrochemical N2-to-NH3 fixation enabled by Nb2O5 nanowire array. *Inorganic Chemistry Frontiers*, **2019**, 6, 423-427	6.8	33
58	Defect-rich fluorographene nanosheets for artificial N fixation under ambient conditions. *Chemical Communications*, **2019**, 55, 4266-4269	5.8	87

57	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	66
56	Recent Advances in the Development of Water Oxidation Electrocatalysts at Mild pH. *Small*, **2019**, 15, e1805103	11	153
55	Greatly Improving Electrochemical N2 Reduction over TiO2 Nanoparticles by Iron Doping. *Angewandte Chemie*, **2019**, 131, 18620-18624	3.6	31
54	La2O3 nanoplate: An efficient electrocatalyst for artificial N2 fixation to NH3 with excellent selectivity at ambient condition. *Electrochimica Acta*, **2019**, 298, 106-111	6.7	31
53	High-Performance N-to-NH Conversion Electrocatalyzed by MoC Nanorod. *ACS Central Science*, **2019**, 5, 116-121	16.8	223
52	Electrocatalytic Hydrogenation of N to NH by MnO: Experimental and Theoretical Investigations. *Advanced Science*, **2019**, 6, 1801182	13.6	92
51	Boron-Doped TiO2 for Efficient Electrocatalytic N2 Fixation to NH3 at Ambient Conditions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 117-122	8.3	94
50	Enhancing Electrocatalytic N2 Reduction to NH3 by CeO2 Nanorod with Oxygen Vacancies. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 2889-2893	8.3	71
49	S-Doped Carbon Nanospheres: An Efficient Electrocatalyst toward Artificial N2 Fixation to NH3. *Small Methods*, **2019**, 3, 1800251	12.8	135
48	Electrocatalytic N2 Fixation over Hollow VO2 Microspheres at Ambient Conditions. *ChemElectroChem*, **2019**, 6, 1014-1018	4.3	43
47	A Biomass-Derived Carbon-Based Electrocatalyst for Efficient N Fixation to NH under Ambient Conditions. *Chemistry - A European Journal*, **2019**, 25, 1914-1917	4.8	51
46	Ti3C2Tx (T = F, OH) MXene nanosheets: conductive 2D catalysts for ambient electrohydrogenation of N2 to NH3. *Journal of Materials Chemistry A*, **2018**, 6, 24031-24035	13	169
45	Mn O Nanocube: An Efficient Electrocatalyst Toward Artificial N Fixation to NH. *Small*, **2018**, 14, e1803111	11	100
44	Recent Progress in Cobalt-Based Heterogeneous Catalysts for Electrochemical Water Splitting. *Advanced Materials*, **2016**, 28, 215-30	24	1708
43	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	3.6	28
42	Interconnected Co-Entrapped, N-Doped Carbon Nanotube Film as Active Hydrogen Evolution Cathode over the Whole pH Range. *ChemSusChem*, **2015**, 8, 1850-5	8.3	67
41	Rapid, sensitive, and selective fluorescent DNA detection using iron-based metal-organic framework nanorods: Synergies of the metal center and organic linker. *Biosensors and Bioelectronics*, **2015**, 71, 1-6	11.8	70
40	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	6.7	128

39	A Fe-doped Ni3S2 particle film as a high-efficiency robust oxygen evolution electrode with very high current density. *Journal of Materials Chemistry A*, **2015**, 3, 23207-23212	13	256
38	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	13	189
37	Electrodeposition of nickel–phosphorus nanoparticles film as a Janus electrocatalyst for electro-splitting of water. *Journal of Power Sources*, **2015**, 299, 342-346	8.9	101
36	High-Efficiency Electrochemical Hydrogen Evolution Catalyzed by Tungsten Phosphide Submicroparticles. *ACS Catalysis*, **2015**, 5, 145-149	13.1	200
35	N-doped carbon-coated tungsten oxynitride nanowire arrays for highly efficient electrochemical hydrogen evolution. *ChemSusChem*, **2015**, 8, 2487-91	8.3	28
34	In Situ Growth of NiSe Nanowire Film on Nickel Foam as an Electrode for High-Performance Supercapacitors. *ChemElectroChem*, **2015**, 2, 1903-1907	4.3	132
33	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, 5493-7	16.4	196
32	CoSe2 nanowires array as a 3D electrode for highly efficient electrochemical hydrogen evolution. *ACS Applied Materials & Interfaces*, **2015**, 7, 3877-81	9.5	160
31	Self-supported nanoporous cobalt phosphide nanowire arrays: an efficient 3D hydrogen-evolving cathode over the wide range of pH 0-14. *Journal of the American Chemical Society*, **2014**, 136, 7587-90	16.4	1859
30	Self-supported Cu3P nanowire arrays as an integrated high-performance three-dimensional cathode for generating hydrogen from water. *Angewandte Chemie - International Edition*, **2014**, 53, 9577-81	16.4	720
29	Self-Supported FeP Nanorod Arrays: A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity. *ACS Catalysis*, **2014**, 4, 4065-4069	13.1	356
28	CoP nanostructures with different morphologies: synthesis, characterization and a study of their electrocatalytic performance toward the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2014**, 2, 14634	13	205
27	CoP Nanosheet Arrays Supported on a Ti Plate: An Efficient Cathode for Electrochemical Hydrogen Evolution. *Chemistry of Materials*, **2014**, 26, 4326-4329	9.6	255
26	A cost-effective 3D hydrogen evolution cathode with high catalytic activity: FeP nanowire array as the active phase. *Angewandte Chemie - International Edition*, **2014**, 53, 12855-9	16.4	736
25	Ni nanoparticles-graphene hybrid film: one-step electrodeposition preparation and application as highly efficient oxygen evolution reaction electrocatalyst. *Journal of Applied Electrochemistry*, **2014**, 44, 1165-1170	2.6	18
24	Mo2C Nanoparticles Decorated Graphitic Carbon Sheets: Biopolymer-Derived Solid-State Synthesis and Application as an Efficient Electrocatalyst for Hydrogen Generation. *ACS Catalysis*, **2014**, 4, 2658-2661	13.1	295
23	Template-assisted synthesis of CoP nanotubes to efficiently catalyze hydrogen-evolving reaction. *Journal of Materials Chemistry A*, **2014**, 2, 14812-14816	13	125
22	One-step electrodeposition fabrication of graphene film-confined WS2 nanoparticles with enhanced electrochemical catalytic activity for hydrogen evolution. *Electrochimica Acta*, **2014**, 134, 8-12	6.7	61

21	A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity: FeP Nanowire Array as the Active Phase. *Angewandte Chemie*, **2014**, 126, 13069-13073	3.6	141
20	One-step solvothermal synthesis of MoS2/TiO2 nanocomposites with enhanced photocatalytic H2 production. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	46
19	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. *CrystEngComm*, **2013**, 15, 8300	3.3	42
18	A series of furan-aromatic polyesters synthesized via direct esterification method based on renewable resources. *Journal of Polymer Science Part A*, **2012**, 50, 1026-1036	2.5	224
17	A new nonlinear optical crystal: Bi2O2(OH)(NO3). *Crystal Research and Technology*, **2011**, 46, 655-658	1.3	21
16	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. *Nano Research*,1	10	3
15	Efficient nitric oxide electroreduction toward ambient ammonia synthesis catalyzed by a CoP nanoarray. *Inorganic Chemistry Frontiers*,	6.8	7
14	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. *Nano Research*,1	10	17
13	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. *Materials Advances*,	3.3	1
12	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. *Nano Research*,1	10	30
11	CuS concave polyhedral superstructures enabled efficient N2 electroreduction to NH3 at ambient conditions. *Inorganic Chemistry Frontiers*,	6.8	32
10	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H2O2 electrosynthesis in acidic media. *Journal of Materials Chemistry A*,	13	9
9	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. *Nano Research*,1	10	28
8	High-Performance Electrochemical NO Reduction into NH3 by MoS2 Nanosheet. *Angewandte Chemie*,	3.6	8
7	In situ tailoring bimetallic–organic framework-derived yolk–shell NiS2/CuS hollow microspheres: an extraordinary kinetically pseudocapacitive nanoreactor for an effective sodium-ion storage anode. *Journal of Materials Chemistry A*,	13	24
6	A NiCo LDH nanosheet array on graphite felt: an efficient 3D electrocatalyst for the oxygen evolution reaction in alkaline media. *Inorganic Chemistry Frontiers*,	6.8	60
5	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. *Inorganic Chemistry Frontiers*,	6.8	46
4	A hierarchical CuO@NiCo layered double hydroxide core–shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. *Inorganic Chemistry Frontiers*,	6.8	57

3	FeP nanorod array: A high-efficiency catalyst for electroreduction of NO to NH3 under ambient conditions. *Nano Research*,1	10	4
2	Ni(OH)2 nanoparticles encapsulated in conductive nanowire array for high-performance alkaline seawater oxidation. *Nano Research*,1	10	6
1	Conductive Two-Dimensional Magnesium Metal□rganic Frameworks for High-Efficiency O2 Electroreduction to H2O2. *ACS Catalysis*,6092-6099	13.1	7