

Yonglan Luo

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142
papers

7,242
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48
h-index

80
g-index

150
ext. papers

10,145
ext. citations

8.6
avg, IF

6.61
L-index

#	Paper	IF	Citations
142	Self-Supported FeP Nanorod Arrays: A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity. <i>ACS Catalysis</i> , 2014 , 4, 4065-4069	13.1	356
141	NiCo ₂ S ₄ nanowires array as an efficient bifunctional electrocatalyst for full water splitting with superior activity. <i>Nanoscale</i> , 2015 , 7, 15122-6	7.7	319
140	Greatly Improving Electrochemical N Reduction over TiO Nanoparticles by Iron Doping. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18449-18453	16.4	250
139	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	13.1	218
138	Efficient Electrochemical Water Splitting Catalyzed by Electrodeposited Nickel Diselenide Nanoparticles Based Film. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4718-23	9.5	207
137	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	13.1	180
136	Efficient Electrochemical N ₂ Reduction to NH ₃ on MoN Nanosheets Array under Ambient Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 9550-9554	8.3	164
135	CoSe ₂ nanowires array as a 3D electrode for highly efficient electrochemical hydrogen evolution. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3877-81	9.5	160
134	Aqueous electrocatalytic N ₂ reduction for ambient NH ₃ synthesis: recent advances in catalyst development and performance improvement. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1545-1556	13	158
133	Ambient N fixation to NH electrocatalyzed by a spinel FeO nanorod. <i>Nanoscale</i> , 2018 , 10, 14386-14389	7.7	142
132	In Situ Growth of NiSe Nanowire Film on Nickel Foam as an Electrode for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 1903-1907	4.3	132
131	3D macroporous MoS ₂ thin film: in situ hydrothermal preparation and application as a highly active hydrogen evolution electrocatalyst at all pH values. <i>Electrochimica Acta</i> , 2015 , 168, 133-138	6.7	128
130	TiO ₂ nanoparticles-reduced graphene oxide hybrid: an efficient and durable electrocatalyst toward artificial N ₂ fixation to NH ₃ under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17303-17306	13.1	127
129	Greatly Enhanced Electrocatalytic N ₂ Reduction on TiO ₂ via V Doping. <i>Small Methods</i> , 2019 , 3, 1900356	12.8	117
128	Ni ₃ Se ₂ film as a non-precious metal bifunctional electrocatalyst for efficient water splitting. <i>Catalysis Science and Technology</i> , 2015 , 5, 4954-4958	5.5	117
127	Ambient NH ₃ synthesis via electrochemical reduction of N over cubic sub-micron SnO particles. <i>Chemical Communications</i> , 2018 , 54, 12966-12969	5.8	115
126	Efficient and durable N reduction electrocatalysis under ambient conditions: FeOOH nanorods as a non-noble-metal catalyst. <i>Chemical Communications</i> , 2018 , 54, 11332-11335	5.8	113

125	Recent progress in the electrochemical ammonia synthesis under ambient conditions. <i>EnergyChem</i> , 2019 , 1, 100011	36.9	105
124	Boron Phosphide Nanoparticles: A Nonmetal Catalyst for High-Selectivity Electrochemical Reduction of CO to CH ₃ OH. <i>Advanced Materials</i> , 2019 , 31, e1903499	24	100
123	Electrocatalytic Hydrogenation of N ₂ to NH ₃ by MnO ₂ : Experimental and Theoretical Investigations. <i>Advanced Science</i> , 2019 , 6, 1801182	13.6	92
122	Sulfur dots-graphene nano hybrid: a metal-free electrocatalyst for efficient N ₂ -to-NH ₃ fixation under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 3152-3155	5.8	88
121	An ultrasmall Ru ₂ P nanoparticles-reduced graphene oxide hybrid: an efficient electrocatalyst for NH ₃ synthesis under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 77-81	13	87
120	Boosting electrocatalytic N ₂ reduction to NH ₃ on FeOOH by fluorine doping. <i>Chemical Communications</i> , 2019 , 55, 3987-3990	5.8	86
119	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. <i>Small Structures</i> , 2021 , 2, 2000048	8.7	86
118	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	13	84
117	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	5.8	84
116	High-performance water oxidation electrocatalysis enabled by a Ni-MOF nanosheet array. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1570-1574	6.8	84
115	Boosting electrocatalytic N ₂ reduction by MnO ₂ with oxygen vacancies. <i>Chemical Communications</i> , 2019 , 55, 4627-4630	5.8	83
114	Improving the electrocatalytic N ₂ reduction activity of Pd nanoparticles through surface modification. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21674-21677	13	80
113	A Ni ₂ P nanosheet array integrated on 3D Ni foam: an efficient, robust and reusable monolithic catalyst for the hydrolytic dehydrogenation of ammonia borane toward on-demand hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12407-12410	13	76
112	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10583-10587	16.4	76
111	CoP nanoarray: a robust non-noble-metal hydrogen-generating catalyst toward effective hydrolysis of ammonia borane. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 659-662	6.8	75
110	An MnO ₂ /Ti ₃ C ₂ T _x MXene nano hybrid: 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	13	73
109	Highly Selective Electrochemical Reduction of CO to Alcohols on an FeP Nanoarray. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 758-762	16.4	73
108	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. <i>Nanoscale</i> , 2020 , 12, 5359-5362	7.7	68

107	Electrodeposited Ni-P Alloy Nanoparticle Films for Efficiently Catalyzing Hydrogen- and Oxygen-Evolution Reactions. <i>ChemNanoMat</i> , 2015 , 1, 558-561	3.5	68
106	PdP2 nanoparticles/reduced graphene oxide for electrocatalytic N ₂ conversion to NH ₃ under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24760-24764	13	67
105	Efficient electrohydrogenation of N to NH by oxidized carbon nanotubes under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 4997-5000	5.8	66
104	Electrocatalytic N-to-NH conversion using oxygen-doped graphene: experimental and theoretical studies. <i>Chemical Communications</i> , 2019 , 55, 7502-7505	5.8	63
103	WO nanosheets rich in oxygen vacancies for enhanced electrocatalytic N reduction to NH. <i>Nanoscale</i> , 2019 , 11, 19274-19277	7.7	61
102	A NiCo LDH nanosheet array on graphite felt: an efficient 3D electrocatalyst for the oxygen evolution reaction in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	60
101	2020 Roadmap on gas-involved photo- and electro- catalysis. <i>Chinese Chemical Letters</i> , 2019 , 30, 2089-2109	10.9	59
100	Rational design of carbon materials as anodes for potassium-ion batteries. <i>Energy Storage Materials</i> , 2021 , 34, 483-507	19.4	59
99	A perovskite LaTiO nanosheet as an efficient electrocatalyst for artificial N fixation to NH in acidic media. <i>Chemical Communications</i> , 2019 , 55, 6401-6404	5.8	58
98	A hierarchical CuO@NiCo layered double hydroxide core-shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> ,	6.8	57
97	A magnetron sputtered Mo ₃ Si thin film: an efficient electrocatalyst for N ₂ reduction under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 884-888	13	53
96	Efficient oxygen evolution electrocatalyzed by a Cu nanoparticle-embedded N-doped carbon nanowire array. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1188-1192	6.8	52
95	Dendritic Cu: a high-efficiency electrocatalyst for N fixation to NH under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 14474-14477	5.8	52
94	Electrocatalytic CO ₂ Reduction to Alcohols with High Selectivity over a Two-Dimensional Fe ₂ P ₂ S ₆ Nanosheet. <i>ACS Catalysis</i> , 2019 , 9, 9721-9725	13.1	48
93	P-Doped graphene toward enhanced electrocatalytic N reduction. <i>Chemical Communications</i> , 2020 , 56, 1831-1834	5.8	48
92	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6650-6670	13	48
91	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. <i>Inorganic Chemistry Frontiers</i> ,	6.8	46
90	Alkylthiol surface engineering: an effective strategy toward enhanced electrocatalytic N ₂ -to-NH ₃ fixation by a CoP nanoarray. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 13861-13866	13	45

89	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS ₂ nanosheets. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6117-6122	13	45
88	Core-Shell NiFe-LDH@NiFe-B Nanoarray: In Situ Electrochemical Surface Derivation Preparation toward Efficient Water Oxidation Electrocatalysis in near-Neutral Media. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19502-19506	9.5	44
87	Commercial indium-tin oxide glass: A catalyst electrode for efficient N ₂ reduction at ambient conditions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1024-1029	11.3	44
86	Recent advances in strategies for highly selective electrocatalytic N ₂ reduction toward ambient NH ₃ synthesis. <i>Current Opinion in Electrochemistry</i> , 2021 , 29, 100766	7.2	43
85	High-Performance Electrochemical NO Reduction into NH by MoS Nanosheet. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25263-25268	16.4	42
84	Electrospun TiC/C nanofibers for ambient electrocatalytic N ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19657-19661	13	41
83	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. <i>Green Chemistry</i> , 2021 , 23, 2834-2867	10	40
82	Recent Progress in Electrocatalytic Methanation of CO ₂ at Ambient Conditions. <i>Advanced Functional Materials</i> , 2021 , 31, 2009449	15.6	40
81	Superior alkaline hydrogen evolution electrocatalysis enabled by an ultrafine PtNi nanoparticle-decorated Ni nanoarray with ultralow Pt loading. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1365-1369	6.8	39
80	Constructing a hollow microflower-like ZnS/CuS@C heterojunction as an effective ion-transport booster for an ultrastable and high-rate sodium storage anode. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6402-6412	13	39
79	CuP nanoparticle-reduced graphene oxide hybrid: an efficient electrocatalyst to realize N-to-NH conversion under ambient conditions. <i>Chemical Communications</i> , 2020 , 56, 9328-9331	5.8	38
78	TiB ₂ thin film enabled efficient NH ₃ electrosynthesis at ambient conditions. <i>Materials Today Physics</i> , 2021 , 18, 100396	8	37
77	NiFe Layered-Double-Hydroxide Nanosheet Arrays on Graphite Felt: A 3D Electrocatalyst for Highly Efficient Water Oxidation in Alkaline Media. <i>Inorganic Chemistry</i> , 2021 , 60, 12703-12708	5.1	36
76	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N ₂ Reduction Reaction under Ambient Condition. <i>Small Science</i> , 2021 , 1, 2000069		33
75	CuS concave polyhedral superstructures enabled efficient N ₂ electroreduction to NH ₃ at ambient conditions. <i>Inorganic Chemistry Frontiers</i> ,	6.8	32
74	TiO Nanoparticles with Ti Sites toward Efficient NH Electrosynthesis under Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 41715-41722	9.5	32
73	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	8.3	31
72	Greatly Improving Electrochemical N ₂ Reduction over TiO ₂ Nanoparticles by Iron Doping. <i>Angewandte Chemie</i> , 2019 , 131, 18620-18624	3.6	31

71	FeOOH quantum dots decorated graphene sheet: An efficient electrocatalyst for ambient N ₂ reduction. <i>Nano Research</i> , 2020 , 13, 209-214	10	31
70	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. <i>Nano Research</i> , 1	10	30
69	CdS quantum dots as a fluorescent sensing platform for nucleic acid detection. <i>Mikrochimica Acta</i> , 2011 , 175, 355-359	5.8	29
68	Ti self-doped TiO nanowires for efficient electrocatalytic N reduction to NH. <i>Chemical Communications</i> , 2020 , 56, 1074-1077	5.8	29
67	Enabling the electrocatalytic fixation of N ₂ to NH ₃ by C-doped TiO ₂ nanoparticles under ambient conditions. <i>Nanoscale Advances</i> , 2019 , 1, 961-964	5.1	29
66	Recent advances in perovskite oxides as electrode materials for supercapacitors. <i>Chemical Communications</i> , 2021 , 57, 2343-2355	5.8	29
65	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 11879-11907	13	28
64	Enhancing electrocatalytic N ₂ -to-NH ₃ fixation by suppressing hydrogen evolution with alkylthiols modified Fe ₃ P nanoarrays. <i>Nano Research</i> , 1	10	28
63	Ambient electrocatalytic N ₂ reduction to NH ₃ by metal fluorides. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17761-17765	13	26
62	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. <i>Electrochemistry Communications</i> , 2021 , 122, 106881	5.1	25
61	High-efficiency electrochemical nitrite reduction to ammonium using a Cu ₃ P nanowire array under ambient conditions. <i>Green Chemistry</i> , 2021 , 23, 5487-5493	10	25
60	Ceria-reduced graphene oxide nanocomposite as an efficient electrocatalyst towards artificial N conversion to NH under ambient conditions. <i>Chemical Communications</i> , 2019 , 55, 10717-10720	5.8	24
59	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	24
58	Enhanced Electrochemical HO ₂ Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 33182-33187	9.5	24
57	Cu ₂ Sb decorated Cu nanowire arrays for selective electrocatalytic CO ₂ to CO conversion. <i>Nano Research</i> , 2021 , 14, 2831-2836	10	24
56	In situ tailoring bimetallic organic framework-derived yolk-shell NiS ₂ /CuS hollow microspheres: an extraordinary kinetically pseudocapacitive nanoreactor for an effective sodium-ion storage anode. <i>Journal of Materials Chemistry A</i> ,	13	24
55	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 3580-3586	6.7	22
54	An Fe ₂ O ₃ nanoparticle-reduced graphene oxide composite for ambient electrocatalytic N ₂ reduction to NH ₃ . <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2682-2685	6.8	20

53	Recent Progress in Metal-Free Electrocatalysts toward Ambient N ₂ Reduction Reaction. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2009043-0	3.8	20
52	Synergistic electrocatalytic N ₂ reduction using a PTCA nanorod/GO hybrid. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12446-12450	13	19
51	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni ₂ P nanoarray under ambient conditions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 24268-24275	13	19
50	Unusual electrochemical N reduction activity in an earth-abundant iron catalyst via phosphorous modulation. <i>Chemical Communications</i> , 2020 , 56, 731-734	5.8	19
49	N-doped carbon nanotubes supported CoSe nanoparticles: A highly efficient and stable catalyst for HO ₂ electrosynthesis in acidic media. <i>Nano Research</i> , 2021 , 15, 1-6	10	19
48	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobalt-phosphorus alloy film. <i>Chemical Communications</i> , 2021 , 57, 9720-9723	5.8	19
47	An amorphous WC thin film enabled high-efficiency N reduction electrocatalysis under ambient conditions. <i>Chemical Communications</i> , 2021 , 57, 7806-7809	5.8	19
46	MnO ₂ nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH ₃ at ambient conditions. <i>Materials Today Physics</i> , 2021 , 22, 100586	8	18
45	Improving the intrinsic electronic conductivity of NiMoO ₄ anodes by phosphorous doping for high lithium storage. <i>Nano Research</i> , 2022 , 15, 186	10	18
44	Modulating Oxygen Vacancies of TiO ₂ Nanospheres by Mn-Doping to Boost Electrocatalytic N ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1512-1517	8.3	18
43	In situ grown Fe ₃ O ₄ particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. <i>Nano Research</i> , 1	10	17
42	Plasma-induced defective TiO _{2-x} with oxygen vacancies: A high-active and robust bifunctional catalyst toward H ₂ O ₂ electrosynthesis. <i>Chem Catalysis</i> , 2021 ,		17
41	Ultrasmall V ₈ C ₇ nanoparticles embedded in conductive carbon for efficient electrocatalytic N ₂ reduction toward ambient NH ₃ production. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26227-26230	13	17
40	NiP nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1055-1063	9.3	17
39	Enhanced Electrochemical N ₂ Reduction to NH ₃ on Reduced Graphene Oxide by Tannic Acid Modification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14368-14372	8.3	14
38	A MoN nanosheet array supported on carbon cloth as an efficient electrochemical sensor for nitrite detection. <i>Analyst, The</i> , 2019 , 144, 5378-5380	5	14
37	High-performance NH ₃ production NO electroreduction over a NiO nanosheet array. <i>Chemical Communications</i> , 2021 ,	5.8	14
36	Highly Selective Electrochemical Reduction of CO ₂ to Alcohols on a FeP Nanoarray. <i>Angewandte Chemie</i> , 2020 , 132, 768-772	3.6	14

35	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO by Mn Doping. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46659-46664	9.5	14
34	La-doped TiO ₂ nanorods toward boosted electrocatalytic N ₂ -to-NH ₃ conversion at ambient conditions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1755-1762	11.3	14
33	Electrochemical nitrogen reduction: recent progress and prospects. <i>Chemical Communications</i> , 2021 , 57, 7335-7349	5.8	13
32	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH ₃ at ambient conditions. <i>Materials Today Physics</i> , 2022 , 22, 100611	8	12
31	Honeycomb Carbon Nanofibers: A Superhydrophilic O ₂ -Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Two-Electron Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 10677-10681	3.6	12
30	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo ₂ O ₄ nanosheet array. <i>Materials Today Physics</i> , 2022 , 23, 100619	8	11
29	Ambient electrochemical N reduction to NH under alkaline conditions enabled by a layered KTiO nanobelt. <i>Chemical Communications</i> , 2019 , 55, 7546-7549	5.8	10
28	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. <i>Catalysis Letters</i> , 2021 , 151, 3516	2.8	10
27	ZnO microrods photodeposited with Au@Ag nanoparticles: Synthesis, characterization and application in SERS. <i>Colloid Journal</i> , 2009 , 71, 223-232	1.1	9
26	Functional integration of hierarchical core-shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 27615-27628	13	9
25	One-dimensional conductive metal-organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20345-20349	13	9
24	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H ₂ O ₂ electrosynthesis in acidic media. <i>Journal of Materials Chemistry A</i> ,	13	9
23	Self-supported NiS@NiP/MoS heterostructures on nickel foam for an outstanding oxygen evolution reaction and efficient overall water splitting. <i>Dalton Transactions</i> , 2021 , 50, 15094-15102	4.3	9
22	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 319-326	9.3	9
21	High-Performance Electrochemical NO Reduction into NH ₃ by MoS ₂ Nanosheet. <i>Angewandte Chemie</i> ,	3.6	8
20	Hydrothermal synthesis of one-dimensional ZnO/CdS core/shell nanocomposites. <i>Colloid Journal</i> , 2009 , 71, 370-374	1.1	7
19	Electrochemical two-electron O ₂ reduction reaction toward H ₂ O ₂ production: using cobalt porphyrin decorated carbon nanotubes as a nanohybrid catalyst. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26019-26027	13	7
18	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30693-30702	9.5	7

17	Hexagonal boron nitride nanosheet as an effective nanoquencher for the fluorescence detection of microRNA. <i>Chemical Communications</i> , 2021 , 57, 8039-8042	5.8	7
16	Biomass Juncus derived carbon decorated with cobalt nanoparticles enables high-efficiency ammonia electrosynthesis by nitrite reduction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2842-2848	13	6
15	Iron-Doped MoO Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7142-7151	9.5	6
14	A Cr-FeOOH@Ni-P/NF binder-free electrode as an excellent oxygen evolution reaction electrocatalyst. <i>Nanoscale</i> , 2021 , 13, 17003-17010	7.7	6
13	Synthesis of CuInSe ₂ and CuGaSe ₂ hexagonal microplates in oleic acid and oleylamine mixture. <i>Colloid Journal</i> , 2009 , 71, 375-379	1.1	5
12	Polyrrole-encapsulated Cu ₂ Se nanosheets in situ grown on Cu mesh for high stability sodium-ion battery anode. <i>Chemical Engineering Journal</i> , 2022 , 433, 134477	14.7	5
11	Recent advances in MoS-based materials for electrocatalysis.. <i>Chemical Communications</i> , 2022 ,	5.8	4
10	Biomimetic Assembly of a Polydopamine Layer on Graphene as an Electron Gate for Fluorescent MicroRNA Detection in Living Cells. <i>ChemBioChem</i> , 2020 , 21, 801-806	3.8	4
9	A general thermal process for the one-step preparation of well-stable noble metal nanoparticles. <i>Colloid Journal</i> , 2008 , 70, 669-672	1.1	3
8	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO ₂ . <i>Nano Research</i> , 1	10	3
7	Ag@TiO ₂ as an Efficient Electrocatalyst for N ₂ Fixation to NH ₃ under Ambient Conditions. <i>ChemistrySelect</i> , 2021 , 6, 5271-5274	1.8	3
6	Monodisperse Cu Cluster-Loaded Defective ZrO Nanofibers for Ambient N Fixation to NH ₃ . <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40724-40730	9.5	2
5	Supramolecular microrods can be prepared by mixing aqueous Ru(NH ₃) ₆ Cl ₃ and K ₃ Fe(CN) ₆ solutions at room temperature. <i>Colloid Journal</i> , 2010 , 72, 141-144	1.1	1
4	Controlled formation of novel supramolecular microbelts or microprisms from aniline and H ₂ PdCl ₄ driven by coordination and π interactions. <i>Supramolecular Chemistry</i> , 2008 , 20, 765-768	1.8	1
3	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. <i>Materials Advances</i> ,	3.3	1
2	Electrocatalytic H ₂ O ₂ production via two-electron O ₂ reduction by Mo-doped TiO ₂ nanocrystallines. <i>Catalysis Science and Technology</i> , 2021 , 11, 6970-6974	5.5	1
1	Solution self-assembly-based route towards hexagonal microdisks at room temperature. <i>Inorganic Materials</i> , 2010 , 46, 472-475	0.9	0