Yonglan Luo

List of Publications by Year
in descending order

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149 papers	12,645 citations	12303 69 h-index	27345 106 g-index
150 all docs	150 docs citations	150 times ranked	8029 citing authors

#	Article	IF	Citations
1	Self-Supported FeP Nanorod Arrays: A Cost-Effective 3D Hydrogen Evolution Cathode with High Catalytic Activity. ACS Catalysis, 2014, 4, 4065-4069.	5.5	419
2	NiCo₂S₄nanowires array as an efficient bifunctional electrocatalyst for full water splitting with superior activity. Nanoscale, 2015, 7, 15122-15126.	2.8	390
3	Greatly Improving Electrochemical N₂ Reduction over TiO₂ Nanoparticles by Iron Doping. Angewandte Chemie - International Edition, 2019, 58, 18449-18453.	7.2	379
4	High-Performance Electrohydrogenation of N₂ to NH₃ Catalyzed by Multishelled Hollow Cr₂O₃ Microspheres under Ambient Conditions. ACS Catalysis, 2018, 8, 8540-8544.	5.5	280
5	Boron Nanosheet: An Elemental Two-Dimensional (2D) Material for Ambient Electrocatalytic N₂-to-NH₃ Fixation in Neutral Media. ACS Catalysis, 2019, 9, 4609-4615.	5.5	253
6	Efficient Electrochemical Water Splitting Catalyzed by Electrodeposited Nickel Diselenide Nanoparticles Based Film. ACS Applied Materials & Interfaces, 2016, 8, 4718-4723.	4.0	239
7	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.	5.2	226
8	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 10583-10587.	7.2	219
9	Efficient Electrochemical N₂ Reduction to NH₃ on MoN Nanosheets Array under Ambient Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 9550-9554.	3.2	210
10	Ambient N₂ fixation to NH₃ electrocatalyzed by a spinel Fe₃O₄ nanorod. Nanoscale, 2018, 10, 14386-14389.	2.8	199
11	A hierarchical CuO@NiCo layered double hydroxide coreâ€“shell nanoarray as an efficient electrocatalyst for the oxygen evolution reaction. Inorganic Chemistry Frontiers, 2021, 8, 3049-3054.	3.0	191
12	A NiCo LDH nanosheet array on graphite felt: an efficient 3D electrocatalyst for the oxygen evolution reaction in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3162-3166.	3.0	181
13	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie - International Edition, 2021, 60, 25263-25268.	7.2	180
14	CoSe₂ Nanowires Array as a 3D Electrode for Highly Efficient Electrochemical Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 3877-3881.	4.0	174
15	Boron Phosphide Nanoparticles: A Nonmetal Catalyst for Highâ€Selectivity Electrochemical Reduction of CO₂ to CH₃OH. Advanced Materials, 2019, 31, e1903499.	11.1	169
16	TiO₂ nanoparticlesâ€“reduced graphene oxide hybrid: an efficient and durable electrocatalyst toward artificial N₂ fixation to NH₃ under ambient conditions. Journal of Materials Chemistry A, 2018, 6, 17303-17306.	5.2	165
17	Greatly Enhanced Electrocatalytic N₂ Reduction on TiO₂ via V Doping. Small Methods, 2019, 3, 1900356.	4.6	164
18	Inâ€…Situ Growth of NiSe Nanowire Film on Nickel Foam as an Electrode for Highâ€Performance Supercapacitors. ChemElectroChem, 2015, 2, 1903-1907.	1.7	157

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19	Recent Advances in 1D Electrospun Nanocatalysts for Electrochemical Water Splitting. Small Structures, 2021, 2, 2000048.	6.9	157
20	Recent progress in the electrochemical ammonia synthesis under ambient conditions. EnergyChem, 2019, 1, 100011.	10.1	151
21	Recent advances in perovskite oxides as electrode materials for supercapacitors. Chemical Communications, 2021, 57, 2343-2355.	2.2	149
22	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.	2.6	147
23	Recent advances in strategies for highly selective electrocatalytic N2 reduction toward ambient NH3 synthesis. Current Opinion in Electrochemistry, 2021, 29, 100766.	2.5	147
24	A-site perovskite oxides: an emerging functional material for electrocatalysis and photocatalysis. Journal of Materials Chemistry A, 2021, 9, 6650-6670.	5.2	146
25	Ni₃Se₂film as a non-precious metal bifunctional electrocatalyst for efficient water splitting. Catalysis Science and Technology, 2015, 5, 4954-4958.	2.1	144
26	Efficient and durable N₂ reduction electrocatalysis under ambient conditions: Î²-FeOOH nanorods as a non-noble-metal catalyst. Chemical Communications, 2018, 54, 11332-11335.	2.2	144
27	A Ni-MOF nanosheet array for efficient oxygen evolution electrocatalysis in alkaline media. Inorganic Chemistry Frontiers, 2021, 8, 3007-3011.	3.0	143
28	Ambient NH₃ synthesis via electrochemical reduction of N₂ over cubic sub-micron SnO₂ particles. Chemical Communications, 2018, 54, 12966-12969.	2.2	138
29	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie - International Edition, 2020, 59, 758-762.	7.2	132
30	Rational design of carbon materials as anodes for potassium-ion batteries. Energy Storage Materials, 2021, 34, 483-507.	9.5	130
31	High-performance water oxidation electrocatalysis enabled by a Ni-MOF nanosheet array. Inorganic Chemistry Frontiers, 2018, 5, 1570-1574.	3.0	127
32	Improving the electrocatalytic N₂ reduction activity of Pd nanoparticles through surface modification. Journal of Materials Chemistry A, 2019, 7, 21674-21677.	5.2	118
33	Electrocatalytic Hydrogenation of N₂ to NH₃ by MnO: Experimental and Theoretical Investigations. Advanced Science, 2019, 6, 1801182.	5.6	117
34	An ultrasmall Ru₂P nanoparticlesâ€“reduced graphene oxide hybrid: an efficient electrocatalyst for NH₃ synthesis under ambient conditions. Journal of Materials Chemistry A, 2020, 8, 77-81.	5.2	115
35	Boosting electrocatalytic N₂ reduction by MnO₂ with oxygen vacancies. Chemical Communications, 2019, 55, 4627-4630.	2.2	113
36	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.	5.2	110

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37	CoFe-LDH nanowire arrays on graphite felt: A high-performance oxygen evolution electrocatalyst in alkaline media. Chinese Chemical Letters, 2022, 33, 890-892.	4.8	110
38	In situ grown Fe3O4 particle on stainless steel: A highly efficient electrocatalyst for nitrate reduction to ammonia. Nano Research, 2022, 15, 3050-3055.	5.8	108
39	An MnO₂â€“Ti₃C₂T_x MXene nanohybrid: an efficient and durable electrocatalyst toward artificial N₂ fixation to NH₃ under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 18823-18827.	5.2	107
40	Sulfur dotsâ€“graphene nanohybrid: a metal-free electrocatalyst for efficient N₂-to-NH₃ fixation under ambient conditions. Chemical Communications, 2019, 55, 3152-3155.	2.2	106
41	Ambient electrohydrogenation of N₂ for NH₃ synthesis on non-metal boron phosphide nanoparticles: the critical role of P in boosting the catalytic activity. Journal of Materials Chemistry A, 2019, 7, 16117-16121.	5.2	105
42	Boosting electrocatalytic N₂ reduction to NH₃ on Î²-FeOOH by fluorine doping. Chemical Communications, 2019, 55, 3987-3990.	2.2	104
43	Progress and perspective of metal phosphide/carbon heterostructure anodes for rechargeable ion batteries. Journal of Materials Chemistry A, 2021, 9, 11879-11907.	5.2	102
44	Highâ€Performance Electrochemical NO Reduction into NH₃ by MoS₂ Nanosheet. Angewandte Chemie, 2021, 133, 25467-25472.	1.6	102
45	Electrocatalytic hydrogen peroxide production in acidic media enabled by NiS₂ nanosheets. Journal of Materials Chemistry A, 2021, 9, 6117-6122.	5.2	102
46	Superior hydrogen evolution electrocatalysis enabled by CoP nanowire array on graphite felt. International Journal of Hydrogen Energy, 2022, 47, 3580-3586.	3.8	101
47	Ambient ammonia production via electrocatalytic nitrite reduction catalyzed by a CoP nanoarray. Nano Research, 2022, 15, 972-977.	5.8	98
48	Hierarchical CuO@ZnCo LDH heterostructured nanowire arrays toward enhanced water oxidation electrocatalysis. Nanoscale, 2020, 12, 5359-5362.	2.8	97
49	Magnetron sputtering enabled sustainable synthesis of nanomaterials for energy electrocatalysis. Green Chemistry, 2021, 23, 2834-2867.	4.6	96
50	Electrocatalytic N₂-to-NH₃ conversion with high faradaic efficiency enabled using a Bi nanosheet array. Chemical Communications, 2019, 55, 5263-5266.	2.2	95
51	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.	1.9	95
52	Improving the intrinsic electronic conductivity of NiMoO4 anodes by phosphorous doping for high lithium storage. Nano Research, 2022, 15, 186-194.	5.8	94
53	Recent Progress in Electrocatalytic Methanation of CO₂ at Ambient Conditions. Advanced Functional Materials, 2021, 31, 2009449.	7.8	92
54	A Ni₂P 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. Journal of Materials Chemistry A, 2016, 4, 12407-12410.	5.2	90

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55	N-doped carbon nanotubes supported CoSe2 nanoparticles: A highly efficient and stable catalyst for H2O2 electrosynthesis in acidic media. Nano Research, 2022, 15, 304-309.	5.8	90
56	Ti₂O₃ Nanoparticles with Ti³⁺ Sites toward Efficient NH₃ Electrosynthesis under Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 41715-41722.	4.0	89
57	CoP nanoarray: a robust non-noble-metal hydrogen-generating catalyst toward effective hydrolysis of ammonia borane. Inorganic Chemistry Frontiers, 2017, 4, 659-662.	3.0	88
58	ITO@TiO2 nanoarray: An efficient and robust nitrite reduction reaction electrocatalyst toward NH3 production under ambient conditions. EScience, 2022, 2, 382-388.	25.0	88
59	WO₃ nanosheets rich in oxygen vacancies for enhanced electrocatalytic N₂ reduction to NH₃. Nanoscale, 2019, 11, 19274-19277.	2.8	84
60	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.	5.2	83
61	Electrocatalytic CO₂ Reduction to Alcohols with High Selectivity over a Two-Dimensional Fe₂P₂S₆ Nanosheet. ACS Catalysis, 2019, 9, 9721-9725.	5.5	82
62	PdP₂ nanoparticlesâ€“reduced graphene oxide for electrocatalytic N₂ conversion to NH₃ under ambient conditions. Journal of Materials Chemistry A, 2019, 7, 24760-24764.	5.2	81
63	Electrodeposited Niâ€P Alloy Nanoparticle Films for Efficiently Catalyzing Hydrogenâ€•and Oxygenâ€Evolution Reactions. ChemNanoMat, 2015, 1, 558-561.	1.5	80
64	Efficient electrohydrogenation of N₂ to NH₃ by oxidized carbon nanotubes under ambient conditions. Chemical Communications, 2019, 55, 4997-5000.	2.2	79
65	Electrocatalytic N₂-to-NH₃ conversion using oxygen-doped graphene: experimental and theoretical studies. Chemical Communications, 2019, 55, 7502-7505.	2.2	78
66	Recent advances in lithium-based batteries using metal organic frameworks as electrode materials. Electrochemistry Communications, 2021, 122, 106881.	2.3	75
67	A perovskite La₂Ti₂O₇nanosheet as an efficient electrocatalyst for artificial N₂fixation to NH₃in acidic media. Chemical Communications, 2019, 55, 6401-6404.	2.2	74
68	Electrochemical nitrogen reduction: recent progress and prospects. Chemical Communications, 2021, 57, 7335-7349.	2.2	74
69	Enhancing electrocatalytic N2-to-NH3 fixation by suppressing hydrogen evolution with alkylthiols modified Fe3P nanoarrays. Nano Research, 2022, 15, 1039-1046.	5.8	74
70	High-efficiency electrochemical nitrite reduction to ammonium using a Cu₃P nanowire array under ambient conditions. Green Chemistry, 2021, 23, 5487-5493.	4.6	73
71	A magnetron sputtered Mo₃Si thin film: an efficient electrocatalyst for N₂ reduction under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 884-888.	5.2	72
72	High-efficiency ammonia electrosynthesis via selective reduction of nitrate on ZnCo2O4 nanosheet array. Materials Today Physics, 2022, 23, 100619.	2.9	72

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73	2020 Roadmap on gas-involved photo- and electro- catalysis. Chinese Chemical Letters, 2019, 30, 2089-2109.	4.8	71
74	Dendritic Cu: a high-efficiency electrocatalyst for N₂ fixation to NH₃ under ambient conditions. Chemical Communications, 2019, 55, 14474-14477.	2.2	68
75	High-efficiency electrohydrogenation of nitric oxide to ammonia on a Ni₂P nanoarray under ambient conditions. Journal of Materials Chemistry A, 2021, 9, 24268-24275.	5.2	68
76	Plasma-induced defective TiO2-x with oxygen vacancies: A high-active and robust bifunctional catalyst toward H2O2 electrosynthesis. Chem Catalysis, 2021, 1, 1437-1448.	2.9	68
77	P-Doped graphene toward enhanced electrocatalytic N₂ reduction. Chemical Communications, 2020, 56, 1831-1834.	2.2	67
78	Enhanced Electrochemical H₂O₂ Production via Two-Electron Oxygen Reduction Enabled by Surface-Derived Amorphous Oxygen-Deficient TiO_{2â€“x}. ACS Applied Materials & Interfaces, 2021, 13, 33182-33187.	4.0	67
79	Polyrrole-encapsulated Cu2Se nanosheets in situ grown on Cu mesh for high stability sodium-ion battery anode. Chemical Engineering Journal, 2022, 433, 134477.	6.6	66
80	Superior alkaline hydrogen evolution electrocatalysis enabled by an ultrafine PtNi nanoparticle-decorated Ni nanoarray with ultralow Pt loading. Inorganic Chemistry Frontiers, 2018, 5, 1365-1369.	3.0	64
81	Recent Advances in Nonprecious Metal Oxide Electrocatalysts and Photocatalysts for N₂ Reduction Reaction under Ambient Condition. Small Science, 2021, 1, 2000069.	5.8	63
82	Cu2Sb decorated Cu nanowire arrays for selective electrocatalytic CO2 to CO conversion. Nano Research, 2021, 14, 2831-2836.	5.8	62
83	Ni2P nanosheet array for high-efficiency electrohydrogenation of nitrite to ammonia at ambient conditions. Journal of Colloid and Interface Science, 2022, 606, 1055-1063.	5.0	62
84	In situ tailoring bimetallicâ€“organic framework-derived yolkâ€“shell NiS₂/CuS hollow microspheres: an extraordinary kinetically pseudocapacitive nanoreactor for an effective sodium-ion storage anode. Journal of Materials Chemistry A, 2021, 9, 15807-15819.	5.2	62
85	Efficient oxygen evolution electrocatalyzed by a Cu nanoparticle-embedded N-doped carbon nanowire array. Inorganic Chemistry Frontiers, 2018, 5, 1188-1192.	3.0	60
86	Commercial indium-tin oxide glass: A catalyst electrode for efficient N2 reduction at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1024-1029.	6.9	59
87	High-efficiency nitrate electroreduction to ammonia on electrodeposited cobaltâ€“phosphorus alloy film. Chemical Communications, 2021, 57, 9720-9723.	2.2	58
88	High-Performance Electrochemical Nitrate Reduction to Ammonia under Ambient Conditions Using a FeOOH Nanorod Catalyst. ACS Applied Materials & Interfaces, 2022, 14, 17312-17318.	4.0	58
89	Functional integration of hierarchical coreâ€“shell architectures via vertically arrayed ultrathin CuSe nanosheets decorated on hollow CuS microcages targeting highly effective sodium-ion storage. Journal of Materials Chemistry A, 2021, 9, 27615-27628.	5.2	56
90	TiB2 thin film enabled efficient NH3 electrosynthesis at ambient conditions. Materials Today Physics, 2021, 18, 100396.	2.9	55

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91	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.	5.2	55
92	Cu₃P nanoparticle-reduced graphene oxide hybrid: an efficient electrocatalyst to realize N₂-to-NH₃ conversion under ambient conditions. Chemical Communications, 2020, 56, 9328-9331.	2.2	54
93	CuS concave polyhedral superstructures enabled efficient N₂ electroreduction to NH₃ at ambient conditions. Inorganic Chemistry Frontiers, 2021, 8, 3105-3110.	3.0	54
94	MnO2 nanoarray with oxygen vacancies: An efficient catalyst for NO electroreduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100586.	2.9	54
95	High-performance NH₃ production via NO electroreduction over a NiO nanosheet array. Chemical Communications, 2021, 57, 13562-13565.	2.2	51
96	An amorphous WC thin film enabled high-efficiency N₂ reduction electrocatalysis under ambient conditions. Chemical Communications, 2021, 57, 7806-7809.	2.2	50
97	Ambient N₂-to-NH₃fixation over a CeO₂nanoparticle decorated three-dimensional carbon skeleton. Sustainable Energy and Fuels, 2022, 6, 3344-3348.	2.5	50
98	Hollow Bi₂MoO₆ Sphere Effectively Catalyzes the Ambient Electroreduction of N₂ to NH₃. ACS Sustainable Chemistry and Engineering, 2019, 7, 12692-12696.	3.2	49
99	Ti³⁺ self-doped TiO_{2â^'x} nanowires for efficient electrocatalytic N₂ reduction to NH₃. Chemical Communications, 2020, 56, 1074-1077.	2.2	49
100	Coreâ€“Shell NiFe-LDH@NiFe-B_i Nanoarray: In Situ Electrochemical Surface Derivation Preparation toward Efficient Water Oxidation Electrocatalysis in near-Neutral Media. ACS Applied Materials & Interfaces, 2017, 9, 19502-19506.	4.0	48
101	Electrospun TiC/C nanofibers for ambient electrocatalytic N₂ reduction. Journal of Materials Chemistry A, 2019, 7, 19657-19661.	5.2	48
102	FeOOH quantum dots decorated graphene sheet: An efficient electrocatalyst for ambient N2 reduction. Nano Research, 2020, 13, 209-214.	5.8	48
103	Modulating Oxygen Vacancies of TiO₂ Nanospheres by Mn-Doping to Boost Electrocatalytic N₂ Reduction. ACS Sustainable Chemistry and Engineering, 2021, 9, 1512-1517.	3.2	48
104	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.	5.2	47
105	Greatly Facilitated Two-Electron Electroreduction of Oxygen into Hydrogen Peroxide over TiO₂ by Mn Doping. ACS Applied Materials & Interfaces, 2021, 13, 46659-46664.	4.0	46
106	Greatly Improving Electrochemical N₂ Reduction over TiO₂ Nanoparticles by Iron Doping. Angewandte Chemie, 2019, 131, 18620-18624.	1.6	44
107	Enabling the electrocatalytic fixation of N₂ to NH₃ by C-doped TiO₂ nanoparticles under ambient conditions. Nanoscale Advances, 2019, 1, 961-964.	2.2	44
108	Highly efficient two-electron electroreduction of oxygen into hydrogen peroxide over Cu-doped TiO2. Nano Research, 2022, 15, 3880-3885.	5.8	38

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109	Ambient electrocatalytic N₂ reduction to NH₃ by metal fluorides. Journal of Materials Chemistry A, 2019, 7, 17761-17765.	5.2	37
110	One-dimensional conductive metalâ€“organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. Journal of Materials Chemistry A, 2021, 9, 20345-20349.	5.2	36
111	Bi nanodendrites for highly efficient electrocatalytic NO reduction to NH3 at ambient conditions. Materials Today Physics, 2022, 22, 100611.	2.9	36
112	An Fe₂O₃ nanoparticle-reduced graphene oxide composite for ambient electrocatalytic N₂ reduction to NH₃. Inorganic Chemistry Frontiers, 2019, 6, 2682-2685.	3.0	35
113	La-doped TiO2 nanorods toward boosted electrocatalytic N2-to-NH3 conversion at ambient conditions. Chinese Journal of Catalysis, 2021, 42, 1755-1762.	6.9	35
114	CdS quantum dots as a fluorescent sensing platform for nucleic acid detection. Mikrochimica Acta, 2011, 175, 355-359.	2.5	33
115	Ceria-reduced graphene oxide nanocomposite as an efficient electrocatalyst towards artificial N₂ conversion to NH₃ under ambient conditions. Chemical Communications, 2019, 55, 10717-10720.	2.2	33
116	Reduced graphene oxide supported ZIF-67 derived CoP enables high-performance potassium ion storage. Journal of Colloid and Interface Science, 2021, 604, 319-326.	5.0	32
117	Recent advances in MoS₂-based materials for electrocatalysis. Chemical Communications, 2022, 58, 2259-2278.	2.2	30
118	CoTe nanoparticle-embedded N-doped hollow carbon polyhedron: an efficient catalyst for H₂O₂ electrosynthesis in acidic media. Journal of Materials Chemistry A, 2021, 9, 21703-21707.	5.2	29
119	Recent Progress in Metal-Free Electrocatalysts toward Ambient N2 Reduction Reaction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	29
120	Synergistic electrocatalytic N₂ reduction using a PTCA nanorodâ€“rGO hybrid. Journal of Materials Chemistry A, 2019, 7, 12446-12450.	5.2	27
121	Self-supported Ni₃S₂@Ni₂P/MoS₂ heterostructures on nickel foam for an outstanding oxygen evolution reaction and efficient overall water splitting. Dalton Transactions, 2021, 50, 15094-15102.	1.6	27
122	Highly Selective Electrochemical Reduction of CO₂ to Alcohols on an FeP Nanoarray. Angewandte Chemie, 2020, 132, 768-772.	1.6	26
123	Honeycomb Carbon Nanofibers: A Superhydrophilic O₂â€Entrapping Electrocatalyst Enables Ultrahigh Mass Activity for the Twoâ€Electron Oxygen Reduction Reaction. Angewandte Chemie, 2021, 133, 10677-10681.	1.6	26
124	Ultrasmall V₈C₇ nanoparticles embedded in conductive carbon for efficient electrocatalytic N₂ reduction toward ambient NH₃ production. Journal of Materials Chemistry A, 2019, 7, 26227-26230.	5.2	25
125	Directionally Tailoring Macroporous Honeycomb-Like Structured Carbon Nanofibers toward High-Capacitive Potassium Storage. ACS Applied Materials & Interfaces, 2021, 13, 30693-30702.	4.0	25
126	Hexagonal boron nitride nanosheet as an effective nanoquencher for the fluorescence detection of microRNA. Chemical Communications, 2021, 57, 8039-8042.	2.2	24

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127	2D Vanadium Carbide (MXene) for Electrochemical Synthesis of Ammonia Under Ambient Conditions. Catalysis Letters, 2021, 151, 3516-3522.	1.4	23
128	Unusual electrochemical N₂ reduction activity in an earth-abundant iron catalyst via phosphorous modulation. Chemical Communications, 2020, 56, 731-734.	2.2	22
129	Iron-Doped MoO₃ Nanosheets for Boosting Nitrogen Fixation to Ammonia at Ambient Conditions. ACS Applied Materials & Interfaces, 2021, 13, 7142-7151.	4.0	21
130	Enhanced Electrochemical N₂ Reduction to NH₃ on Reduced Graphene Oxide by Tannic Acid Modification. ACS Sustainable Chemistry and Engineering, 2019, 7, 14368-14372.	3.2	17
131	A Cr-FeOOH@Niâ€“P/NF binder-free electrode as an excellent oxygen evolution reaction electrocatalyst. Nanoscale, 2021, 13, 17003-17010.	2.8	17
132	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. Materials Advances, 2022, 3, 1359-1400.	2.6	17
133	A MoN nanosheet array supported on carbon cloth as an efficient electrochemical sensor for nitrite detection. Analyst, The, 2019, 144, 5378-5380.	1.7	16
134	Ambient electrochemical N₂ reduction to NH₃ under alkaline conditions enabled by a layered K₂Ti₄O₉ nanobelt. Chemical Communications, 2019, 55, 7546-7549.	2.2	16
135	Monodisperse Cu Cluster-Loaded Defective ZrO₂ Nanofibers for Ambient N₂ Fixation to NH₃. ACS Applied Materials & Interfaces, 2021, 13, 40724-40730.	4.0	13
136	Fe(III) grafted MoO3 nanorods for effective electrocatalytic fixation of atmospheric N2 to NH3. International Journal of Hydrogen Energy, 2022, 47, 3550-3555.	3.8	11
137	ZnO microrods photodeposited with Au@Ag nanoparticles: Synthesis, characterization and application in SERS. Colloid Journal, 2009, 71, 223-232.	0.5	9
138	Hydrothermal synthesis of one-dimensional ZnO/CdS core/shell nanocomposites. Colloid Journal, 2009, 71, 370-374.	0.5	8
139	Synthesis of CuInSe2 and CuGaSe2 hexagonal microplates in oleic acid and oleylamine mixture. Colloid Journal, 2009, 71, 375-379.	0.5	6
140	Biomimetic Assembly of a Polydopamine Layer on Graphene as an Electron Gate for Fluorescent MicroRNA Detection in Living Cells. ChemBioChem, 2020, 21, 801-806.	1.3	4
141	YF₃: a nanoflower-like catalyst for efficient nitrogen fixation to ammonia under ambient conditions. Catalysis Science and Technology, 2021, 11, 6750-6754.	2.1	4
142	Electrocatalytic H₂O₂ production via two-electron O₂ reduction by Mo-doped TiO₂ nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	2.1	4
143	A general thermal process for the one-step preparation of well-stable noble metal nanoparticles. Colloid Journal, 2008, 70, 669-672.	0.5	3
144	Ag@TiO 2 as an Efficient Electrocatalyst for N 2 Fixation to NH 3 under Ambient Conditions. ChemistrySelect, 2021, 6, 5271-5274.	0.7	3

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145	Electrodeposition of Amorphous Feâ^'P Shell on Co(OH)F Nanowire Arrays for Boosting Oxygen Evolution Electrocatalysis in Alkaline Media. ChemNanoMat, 2022, 8, .	1.5	3
146	ZrO‹sub›2‹/sub›/C Nanosphere Enables Highâ€Efficiency Nitrogen Reduction to Ammonia at Ambient Conditions. ChemCatChem, 2022, 14, .	1.8	3
147	Controlled formation of novel supramolecular microbelts or microprisms from aniline and H2PdCl4 driven by coordination and Ï€â€"Ï€ interactions. Supramolecular Chemistry, 2008, 20, 765-768.	1.5	1
148	Supramolecular microrods can be prepared by mixing aqueous Ru(NH3)6Cl3 and K3Fe(CN)6 solutions at room temperature. Colloid Journal, 2010, 72, 141-144.	0.5	1
149	Solution self-assembly-based route towards hexagonal microdisks at room temperature. Inorganic Materials, 2010, 46, 472-475.	0.2	1