Minghui Yang

List of Publications by Year
in descending order

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154 papers	6,020 citations	61984 43 h-index	91884 69 g-index
154 all docs	154 docs citations	154 times ranked	6925 citing authors

#	Article	IF	Citations
1	Mesoporous Ti0.5Cr0.5N for trace H2S detection with excellent long-term stability. Journal of Hazardous Materials, 2022, 423, 127193.	12.4	9
2	Integrating trace amounts of Pd nanoparticles into Mo₃N₂ nanobelts for an improved hydrogen evolution reaction. Physical Chemistry Chemical Physics, 2022, 24, 771-777.	2.8	12
3	Carbon-Encapsulated Cobalt Phosphide Catalyst for Efficient Electrochemical Synthesis of Hydrogen Peroxide. Journal of the Electrochemical Society, 2022, 169, 024509.	2.9	1
4	A dimethyl disulfide gas sensor based on nanosized Pt-loaded tetrakaidecahedral Î±-Fe₂O₃nanocrystals. Nanotechnology, 2022, 33, 405502.	2.6	7
5	Boosting Oxygen Reduction for Highâ€Efficiency H₂O₂ Electrosynthesis on Oxygenâ€Coordinated Coï£¿Nï£¿C Catalysts. Small, 2022, 18, e2200730.	10.0	25
6	Oxygen Release and Incorporation Behaviors Influenced by A-Site Cation Order/Disorder in LaCa₂Fe₃O₉ with Unusually High Valence Fe^{3.67+}. Chemistry of Materials, 2022, 34, 345-350.	6.7	4
7	Co₄Nâ€“WN_x composite for efficient piezocatalytic hydrogen evolution. Dalton Transactions, 2022, 51, 7127-7134.	3.3	9
8	Low platinum catalyst supported on titanium molybdenum nitride for efficient CO sensing. Sensors and Actuators B: Chemical, 2022, 364, 131917.	7.8	3
9	MOF-Derived Porous Ternary Nickel Iron Nitride Nanocube as a Functional Catalyst toward Water Splitting Hydrogen Evolution for Solar to Chemical Energy Conversion. ACS Applied Energy Materials, 2022, 5, 6155-6162.	5.1	11
10	High-density catalytic heterostructures strung by buried-in carbon tube network as monolithic holey host for endurable Li-S batteries. Chemical Engineering Journal, 2022, 446, 137294.	12.7	17
11	Caged-Cation-Induced Lattice Distortion in Bronze TiO₂for Cohering Nanoparticulate Hydrogen Evolution Electrocatalysts. ACS Nano, 2022, 16, 9920-9928.	14.6	17
12	Spin engineering of single-site metal catalysts. Innovation(China), 2022, 3, 100268.	9.1	6
13	Mo3N2/VO2 composite as electrocatalysts for hydrogen evolution reaction. Inorganic Chemistry Communication, 2022, 142, 109614.	3.9	1
14	Anti-perovskite metal carbides: A new family of promising electrocatalysts for oxygen reduction in alkaline solution. Materials Research Bulletin, 2021, 133, 111014.	5.2	8
15	Facile in situ nitrogen-doped carbon coated iron sulfide as green and efficient adsorbent for stable lithiumâ€“sulfur batteries. Chemical Engineering Journal, 2021, 404, 126462.	12.7	31
16	Efficient photocatalytic hydrogen evolution over carbon supported antiperovskite cobalt zinc nitride. Chemical Engineering Journal, 2021, 408, 127307.	12.7	20
17	Mesoporous WO₃ modified by Au nanoparticles for enhanced trimethylamine gas sensing properties. Dalton Transactions, 2021, 50, 970-978.	3.3	33
18	Interface engineering of mesoporous triphasic cobaltâ€“copper phosphides as active electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2021, 5, 1366-1373.	4.9	10

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19	Mesoporous titanium niobium nitrides supported Pt nanoparticles for highly selective and sensitive formaldehyde sensing. Journal of Materials Chemistry A, 2021, 9, 19840-19846.	10.3	14
20	Nitrogen, sulfur co-doped carbon coated zinc sulfide for efficient hydrogen peroxide electrosynthesis. Dalton Transactions, 2021, 50, 5416-5419.	3.3	6
21	Titanium Nitride-Supported Platinum with Metalâ€“Support Interaction for Boosting Photocatalytic H₂ Evolution of Indium Sulfide. ACS Applied Materials & Interfaces, 2021, 13, 7238-7247.	8.0	40
22	Surface Functionalized Sensors for Humidityâ€Independent Gas Detection. Angewandte Chemie, 2021, 133, 6635-6640.	2.0	22
23	Surface Functionalized Sensors for Humidityâ€Independent Gas Detection. Angewandte Chemie - International Edition, 2021, 60, 6561-6566.	13.8	66
24	Recent Advances in Transition Metal Nitrideâ€Based Materials for Photocatalytic Applications. Advanced Functional Materials, 2021, 31, 2100553.	14.9	80
25	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. Nanomaterials, 2021, 11, 1236.	4.1	17
26	Co3Mo3Nâ€”An efficient multifunctional electrocatalyst. Innovation(China), 2021, 2, 100096.	9.1	26
27	Ni3N-V2O3 enables highly efficient 5-(Hydroxymethyl) furfural oxidation enabling membrane free hydrogen production. Chemical Engineering Journal, 2021, 415, 128864.	12.7	27
28	Dual-phase metal nitrides as highly efficient co-catalysts for photocatalytic hydrogen evolution. Chemical Engineering Journal, 2021, 416, 129116.	12.7	28
29	Integrated sensing array of the perovskite-type LnFeO3 (LnËLa, Pr, Nd, Sm) to discriminate detection of volatile sulfur compounds. Journal of Hazardous Materials, 2021, 413, 125380.	12.4	22
30	In2O3 nanocubes modified with RuO2 for detection of TXM vapors containing benzyl group. Sensors and Actuators B: Chemical, 2021, 338, 129731.	7.8	8
31	Excellent stability fuel cell type methanol sensor based on platinum-decorated mesoporous CrN. Sensors and Actuators B: Chemical, 2021, 341, 129993.	7.8	8
32	Theoretical study on W-Co3O4 (1 1 1) surface: Acetone adsorption and sensing mechanism. Applied Surface Science, 2021, 566, 150642.	6.1	11
33	A fuel cell type gas sensor based on Pt/NbN for highly selective detection of hydrogen sulfide. Sensors and Actuators B: Chemical, 2021, 346, 130516.	7.8	6
34	Supporting nickel on vanadium nitride for comparable hydrogen evolution performance to platinum in alkaline solution. Journal of Materials Chemistry A, 2021, 9, 19669-19674.	10.3	19
35	Oxygen Coordination on Feâ€“Nâ€“C to Boost Oxygen Reduction Catalysis. Journal of Physical Chemistry Letters, 2021, 12, 517-524.	4.6	20
36	Oxidized impurity in transition metal nitride for improving the hydrogen evolution efficiency of transition metal nitride-based catalyst. Applied Materials Today, 2020, 18, 100476.	4.3	19

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37	Ni-Mo ternary nitrides based one-dimensional hierarchical structures for efficient hydrogen evolution. Chemical Engineering Journal, 2020, 381, 122611.	12.7	29
38	Experimental and Theoretical Insights of MoS 2 /Mo 3 N 2 Nanoribbonâ€Electrocatalysts for Efficient Hydrogen Evolution Reaction. ChemCatChem, 2020, 12, 122-128.	3.7	10
39	Molten Saltsâ€“Assisted Fabrication of Fe, S, and N Coâ€Doped Carbon as Efficient Oxygen Reduction Reaction Catalyst. Energy Technology, 2020, 8, 1900896.	3.8	4
40	Pt/WN based fuel cell type methanol sensor. Sensors and Actuators B: Chemical, 2020, 307, 127686.	7.8	26
41	Highly selective and sensitive xylene sensors based on Nb-doped NiO nanosheets. Sensors and Actuators B: Chemical, 2020, 308, 127520.	7.8	33
42	Edge-sited Fe-N4 atomic species improve oxygen reduction activity via boosting O2 dissociation. Applied Catalysis B: Environmental, 2020, 265, 118593.	20.2	63
43	Engineering Co3+ cations in Co3O4 multishelled microspheres by Mn doping: The roles of Co3+ and oxygen species for sensitive xylene detection. Sensors and Actuators B: Chemical, 2020, 308, 127651.	7.8	31
44	Zirconium nitride catalysts surpass platinum for oxygen reduction. Nature Materials, 2020, 19, 282-286.	27.5	293
45	S, N dual-doped porous carbon materials derived from biomass for Na ion storage and O2 electroreduction. Microporous and Mesoporous Materials, 2020, 294, 109930.	4.4	14
46	ZnO nanoflowers modified with RuO2 for enhancing acetone sensing performance. Nanotechnology, 2020, 31, 115502.	2.6	13
47	Ordered mesoporous carbon assisted Feâ€“Nâ€“C for efficient oxygen reduction catalysis in both acidic and alkaline media. Nanotechnology, 2020, 31, 165708.	2.6	5
48	Interface catalysis by Pt nanocluster@Ni₃N for bifunctional hydrogen evolution and oxygen evolution. Materials Chemistry Frontiers, 2020, 4, 2665-2672.	5.9	33
49	Selective and Continuous Electrosynthesis of Hydrogen Peroxide on Nitrogen-doped Carbon Supported Nickel. Cell Reports Physical Science, 2020, 1, 100255.	5.6	16
50	High-Performance Supercapacitor Electrode Obtained by Directly Bonding 2D Materials: Hierarchal MoS2 on Reduced Graphene Oxide. Frontiers in Materials, 2020, 7, .	2.4	35
51	Highly Localized Câ€“N2 Sites for Efficient Oxygen Reduction. ACS Catalysis, 2020, 10, 9366-9375.	11.2	21
52	Interface Engineering with Ultralow Ruthenium Loading for Efficient Water Splitting. ACS Applied Materials & Interfaces, 2020, 12, 36177-36185.	8.0	35
53	A review on nickel cobalt sulphide and their hybrids: Earth abundant, pH stable electro-catalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 24518-24543.	7.1	100
54	Cobalt Nanoparticles Modified Single-Walled Titanium Carbonitride Nanotube Derived from Solid-Solid Separation for Oxygen Reduction Reaction in Alkaline Solution. Electrocatalysis, 2020, 11, 579-592.	3.0	3

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55	Nickelâ€“Iron Nitrideâ€“Nickel Sulfide Composites for Oxygen Evolution Electrocatalysis. ACS Applied Materials & Interfaces, 2020, 12, 41464-41470.	8.0	44
56	Enhanced, stable, humidity-tolerant xylene sensing using ordered macroporous NiO/ZrO2 nanocomposites. Sensors and Actuators B: Chemical, 2020, 324, 128648.	7.8	24
57	FeNi₃â€“FeNi₃N â€“ a high-performance catalyst for overall water splitting. Sustainable Energy and Fuels, 2020, 4, 6245-6250.	4.9	5
58	Ordered mesoporous transition metal nitrides prepared through hard template nanocasting and rapid nitridation process. Journal of Alloys and Compounds, 2020, 838, 155375.	5.5	19
59	A size tunable bimetallic nickel-zinc nitride as a multi-functional co-catalyst on nitrogen doped titania boosts solar energy conversion. Dalton Transactions, 2020, 49, 4887-4895.	3.3	3
60	Flowerâ€like FeS Coated with Heteroatom (S,N)â€Doped Carbon as Highly Active and Durable Oxygen Reduction Electrocatalysts. ChemElectroChem, 2020, 7, 2433-2439.	3.4	6
61	Recent Advances in Nanocasting Cobalt-Based Mesoporous Materials for Energy Storage and Conversion. Electrocatalysis, 2020, 11, 465-484.	3.0	10
62	Fe₃C cluster-promoted single-atom Fe, N doped carbon for oxygen-reduction reaction. Physical Chemistry Chemical Physics, 2020, 22, 7218-7223.	2.8	17
63	Multidimensional graphene structures and beyond: Unique properties, syntheses and applications. Progress in Materials Science, 2020, 113, 100665.	32.8	61
64	Mesoporous Ternary Nitrides of Earth-Abundant Metals as Oxygen Evolution Electrocatalyst. Nano-Micro Letters, 2020, 12, 79.	27.0	63
65	Ultraâ€low Loading of Au Clusters on Nickel Nitride Efficiently Boosts Photocatalytic Hydrogen Production with Titanium Dioxide. ChemCatChem, 2020, 12, 2752-2759.	3.7	9
66	Metal organic framework-derived porous Fe2N nanocubes by rapid-nitridation for efficient photocatalytic hydrogen evolution. Materials Advances, 2020, 1, 1161-1167.	5.4	22
67	A Surfaceâ€Oxideâ€Rich Activation Layer (SOAL) on Ni₂Mo₃N for a Rapid and Durable Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2020, 59, 18036-18041.	13.8	77
68	A Surfaceâ€Oxideâ€Rich Activation Layer (SOAL) on Ni 2 Mo 3 N for a Rapid and Durable Oxygen Evolution Reaction. Angewandte Chemie, 2020, 132, 18192-18197.	2.0	4
69	Towards continuous ammonia electro-oxidation reaction on Pt catalysts with weakened adsorption of atomic nitrogen. International Journal of Hydrogen Energy, 2020, 45, 21816-21824.	7.1	7
70	Chromium-titanium nitride as an efficient co-catalyst for photocatalytic hydrogen production. Journal of Materials Chemistry A, 2020, 8, 15774-15781.	10.3	34
71	Ru-decorated WO3 nanosheets for efficient xylene gas sensing application. Journal of Alloys and Compounds, 2020, 826, 154196.	5.5	39
72	Three-Dimensional Mesoporous Phosphideâ€“Spinel Oxide Heterojunctions with Dual Function as Catalysts for Overall Water Splitting. ACS Applied Energy Materials, 2020, 3, 1684-1693.	5.1	43

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73	Construction of Co3O4/CoWO4 core-shell urchin-like microspheres through ion-exchange method for high-performance acetone gas sensing performance. Sensors and Actuators B: Chemical, 2020, 309, 127711.	7.8	38
74	Hierarchical N-Doped Porous Carbons for Znâ€“Air Batteries and Supercapacitors. Nano-Micro Letters, 2020, 12, 20.	27.0	73
75	Platinum decorated mesoporous titanium nitride for fuel-cell type methanol gas sensor. Sensors and Actuators B: Chemical, 2020, 308, 127713.	7.8	24
76	Nanoheterostructures of Partially Oxidized RuNi Alloy as Bifunctional Electrocatalysts for Overall Water Splitting. ChemSusChem, 2020, 13, 2739-2744.	6.8	23
77	Sandwichâ€like Catalystâ€“Carbonâ€“Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2020, 132, 12227-12236.	2.0	3
78	Nitridation of CoWO₄/CdS Nanocomposite Formed Metal Nitrides Assisting Efficiently Photocatalytic Hydrogen Evolution. ACS Omega, 2020, 5, 9969-9976.	3.5	9
79	Sandwichâ€like Catalystâ€“Carbonâ€“Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2020, 59, 12129-12138.	13.8	130
80	Geometric Structure and Electronic Polarization Synergistically Boost Hydrogen Evolution Kinetics in Alkaline Medium. Journal of Physical Chemistry Letters, 2020, 11, 3436-3442.	4.6	18
81	Conductive Holey MoO₂â€“Mo₃N₂ Heterojunctions as Job-Synergistic Cathode Host with Low Surface Area for High-Loading Liâ€“S Batteries. ACS Nano, 2019, 13, 10049-10061.	14.6	150
82	A review of oxygen reduction mechanisms for metal-free carbon-based electrocatalysts. Npj Computational Materials, 2019, 5, .	8.7	480
83	Mechanochemical synthesis of multi-site electrocatalysts as bifunctional zincâ€“air battery electrodes. Journal of Materials Chemistry A, 2019, 7, 19355-19363.	10.3	53
84	Ordered Mesoporous Cobaltâ€“Nickel Nitride Prepared by Nanocasting for Oxygen Evolution Reaction Electrocatalysis. Advanced Materials Interfaces, 2019, 6, 1900960.	3.7	57
85	Solidâ€“Solid Separation Approach for Preparation of Carbon-Supported Cobalt Carbide Nanoparticle Catalysts for Oxygen Reduction. ACS Applied Nano Materials, 2019, 2, 3662-3670.	5.0	10
86	Oxygen-Defective Ultrathin BiVO₄ Nanosheets for Enhanced Gas Sensing. ACS Applied Materials & Interfaces, 2019, 11, 23495-23502.	8.0	81
87	Novel 3D flower-like micro/nano-structure FeS/N-doped-C composites as advanced cathodes with high lithium storage performances. Journal of Power Sources, 2019, 431, 226-231.	7.8	25
88	Nickelâ€Based Transition Metal Nitride Electrocatalysts for the Oxygen Evolution Reaction. ChemSusChem, 2019, 12, 3941-3954.	6.8	150
89	High performance acetone sensor based on ZnO nanorods modified by Au nanoparticles. Journal of Alloys and Compounds, 2019, 797, 246-252.	5.5	67
90	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. ACS Applied Nano Materials, 2019, 2, 2734-2742.	5.0	84

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91	Template synthesis of CoFe₂O₄ extended surface microspheres for efficient water decontamination and absorption of electromagnetic waves: Twin behavior. Materials Research Express, 2019, 6, 075506.	1.6	7
92	Oxygen Reduction Reactions of Fe-N-C Catalysts: Current Status and the Way Forward. Electrochemical Energy Reviews, 2019, 2, 252-276.	25.5	119
93	Hierarchical Co3O4@NiMoO4 core-shell nanowires for chemiresistive sensing of xylene vapor. Mikrochimica Acta, 2019, 186, 222.	5.0	26
94	An acetone gas sensor based on nanosized Pt-loaded Fe2O3 nanocubes. Sensors and Actuators B: Chemical, 2019, 290, 59-67.	7.8	172
95	Co-precipitation strategy for engineering pH-tolerant and durable ZnO@MgO nanospheres for efficient, room-temperature, chemisorptive removal of Pb(II) from water. Journal of Environmental Chemical Engineering, 2019, 7, 103019.	6.7	16
96	Prussian blue derived Fe₂N for efficiently improving the photocatalytic hydrogen evolution activity of g-C₃N₄ nanosheets. Catalysis Science and Technology, 2019, 9, 2571-2577.	4.1	32
97	Sandwich-like composites of double-layer Co3O4 and reduced graphene oxide and their sensing properties to volatile organic compounds. Journal of Alloys and Compounds, 2019, 793, 24-30.	5.5	87
98	Fe2O3 nanoparticles-decorated MoO3 nanobelts for enhanced chemiresistive gas sensing. Journal of Alloys and Compounds, 2019, 782, 672-678.	5.5	60
99	Manganese-doped zinc oxide hollow balls for chemiresistive sensing of acetone vapors. Mikrochimica Acta, 2019, 186, 44.	5.0	11
100	Mixed ternary transition metal nitrides: A comprehensive review of synthesis, electronic structure, and properties of engineering relevance. Progress in Solid State Chemistry, 2019, 53, 1-26.	7.2	50
101	Large-scale synthesis of dual-emitting-based visualization sensing paper for humidity and ethanol detection. Sensors and Actuators B: Chemical, 2019, 282, 9-15.	7.8	25
102	Adsorption Behaviors and Phase Equilibria for Clathrate Hydrates of Sulfur- and Nitrogen-Containing Small Molecules. Journal of Physical Chemistry C, 2019, 123, 2691-2702.	3.1	10
103	Increased activity of nitrogen-doped graphene-like carbon sheets modified by iron doping for oxygen reduction. Journal of Colloid and Interface Science, 2019, 536, 42-52.	9.4	32
104	Magnetic micro scavengers: highly porous Ni1â^'x Co x Fe2O4 microcubes for efficient disintegration of nitrophenol. Nanotechnology, 2018, 29, 215710.	2.6	10
105	Hierarchical Ni3ZnN Hollow Microspheres as Stable Non-Noble Metal Electrocatalysts for Oxygen Reduction Reactions. Electrocatalysis, 2018, 9, 452-458.	3.0	13
106	Porous coral-like NiCo2O4 nanospheres with promising xylene gas sensing properties. Sensors and Actuators B: Chemical, 2018, 261, 203-209.	7.8	47
107	Flower-like nitrogen-oxygen-doped carbon encapsulating sulfur composite synthesized via in-situ oxidation approach. Chemical Engineering Journal, 2018, 345, 271-279.	12.7	21
108	Coordination Polymer-Derived Multishelled Mixed Niâ€“Co Oxide Microspheres for Robust and Selective Detection of Xylene. ACS Applied Materials & Interfaces, 2018, 10, 15314-15321.	8.0	64

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109	Facile synthesis of mesoporous Co3O4 nanofans as gas sensing materials for selective detection of xylene vapor. Materials Letters, 2018, 218, 127-130.	2.6	27
110	Goldâ€Clusterâ€Based Dualâ€Emission Nanocomposite Film as Ratiometric Fluorescent Sensing Paper for Specific Metal Ion. Particle and Particle Systems Characterization, 2018, 35, 1700471.	2.3	19
111	Functional Differentiation of Three Pores for Effective Sulfur Confinement in Liâ€“S Battery. Small, 2018, 14, e1703279.	10.0	21
112	Self-template derived ZnFe2O4 double-shell microspheres for chemresistive gas sensing. Sensors and Actuators B: Chemical, 2018, 265, 625-631.	7.8	64
113	Morphology-controlled synthesis of TiO₂/MoS₂ nanocomposites with enhanced visible-light photocatalytic activity. Inorganic Chemistry Frontiers, 2018, 5, 145-152.	6.0	40
114	A novel porous Mo₃N₂/MoO₃ hybrid nanobelts as supercapacitor electrode material. Nano Futures, 2018, , .	2.2	2
115	Holey Sheets of Interconnected Carbon-Coated Nickel Nitride Nanoparticles as Highly Active and Durable Oxygen Evolution Electrocatalysts. ACS Applied Energy Materials, 2018, 1, 6774-6780.	5.1	28
116	Aliovalent Fe(<scp>iii</scp>)-doped NiO microspheres for enhanced butanol gas sensing properties. Dalton Transactions, 2018, 47, 15181-15188.	3.3	34
117	Grand Canonical Monte Carlo Simulations on Phase Equilibria of Methane, Carbon Dioxide, and Their Mixture Hydrates. Journal of Physical Chemistry B, 2018, 122, 9724-9737.	2.6	13
118	Iron-nitrogen dual-doped three-dimensional mesoporous carbons for high-activity electrocatalytic oxygen reduction. Applied Materials Today, 2018, 13, 174-181.	4.3	14
119	A novel porous Mo₃N₂/MoO₃ hybrid nanobelt as supercapacitor electrode material. Nano Futures, 2018, 2, 045001.	2.2	10
120	Nanourchin ZnO@TiCN composites for Cr (VI) adsorption and thermochemical remediation. Journal of Environmental Chemical Engineering, 2018, 6, 3837-3848.	6.7	14
121	Synthesis and application of nano-structured metal nitrides and carbides: A review. Progress in Solid State Chemistry, 2018, 50, 1-15.	7.2	104
122	Self-sacrificing templated formation of Co3O4/ZnCo2O4 composite hollow nanostructures for highly sensitive detecting acetone vapor. Sensors and Actuators B: Chemical, 2018, 273, 1202-1210.	7.8	69
123	Facile synthesis of tin-doped mayenite electride composite as a non-noble metal durable electrocatalyst for oxygen reduction reaction (ORR). Dalton Transactions, 2018, 47, 13498-13506.	3.3	56
124	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. Journal of Materials Chemistry A, 2018, 6, 12091-12097.	10.3	88
125	Enhanced visible light photocatalytic activity in N-doped edge- and corner-truncated octahedral Cu2O. Solid State Sciences, 2017, 65, 22-28.	3.2	13
126	In situ formation of a cellular graphene framework in thermoplastic composites leading to superior thermal conductivity. Journal of Materials Chemistry A, 2017, 5, 6164-6169.	10.3	149

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127	¹¹⁹Sn MÃ¶ssbauer and Ferromagnetic Studies on Hierarchical Tin- and Nitrogen-Codoped TiO₂ Microspheres with Efficient Photocatalytic Performance. Journal of Physical Chemistry C, 2017, 121, 6662-6673.	3.1	17
128	Cobaltâ€“zinc nitride on nitrogen doped carbon black nanohybrids as a non-noble metal electrocatalyst for oxygen reduction reaction. Nanoscale, 2017, 9, 6259-6263.	5.6	55
129	Visible light photocatalysts (Fe, N):TiO 2 from ammonothermally processed, solvothermal self-assembly derived Fe-TiO 2 mesoporous microspheres. Materials Chemistry and Physics, 2017, 195, 259-267.	4.0	18
130	Analysis of gluconate metabolism for pyruvate production in engineeredEscherichia colibased on genome-wide transcriptomes. Letters in Applied Microbiology, 2017, 65, 165-172.	2.2	3
131	Metal-organic frameworks-derived porous ZnO/Ni0.9Zn0.1O double-shelled nanocages as gas sensing material for selective detection of xylene. Sensors and Actuators B: Chemical, 2017, 252, 649-656.	7.8	40
132	Effect of nitridation on visible light photocatalytic behavior of microporous (Ag, Ag 2 O) co-loaded TiO 2. Microporous and Mesoporous Materials, 2017, 240, 137-144.	4.4	15
133	Programmed Synthesis of Sn₃N₄ Nanoparticles via a Soft Chemistry Approach with Urea: Application for Ethanol Vapor Sensing. Chemistry of Materials, 2017, 29, 969-974.	6.7	45
134	Facile synthesis of In2O3 microcubes with exposed {1 0 0} facets as gas sensing material for selective detection of ethanol vapor. Materials Letters, 2017, 209, 618-621.	2.6	23
135	Amine coupled ordered mesoporous (Coâ€“N) co-doped TiO₂: a green photocatalyst for the selective aerobic oxidation of thioether. Catalysis Science and Technology, 2017, 7, 4182-4192.	4.1	12
136	Clustered-Microcapsule-Shaped Microporous Carbon-Coated Sulfur Composite Synthesized via in Situ Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 44512-44518.	8.0	9
137	Photoinduced Interfacial Electron Transfer in 2,2â€™â€Bipyridyl Iron(III) Complexâ€TiO₂ Nanoparticles in Aqueous Medium. ChemistrySelect, 2017, 2, 10648-10653.	1.5	3
138	A novel synthetic route to cathode materials for Liâ€“S batteries: from organic sulfides to sulfur/nitrogenous carbon composites. Journal of Materials Chemistry A, 2017, 5, 16796-16802.	10.3	20
139	Low Workingâ€Temperature Acetone Vapor Sensor Based on Zinc Nitride and Oxide Hybrid Composites. Small, 2016, 12, 3128-3133.	10.0	57
140	A mesoporous Ni₃N/NiO composite with a coreâ€“shell structure for room temperature, selective and sensitive NO₂ gas sensing. RSC Advances, 2016, 6, 42917-42922.	3.6	6
141	Facile synthesis of iron oxide coupled and doped titania nanocomposites: tuning of physicochemical and photocatalytic properties. RSC Advances, 2016, 6, 72791-72802.	3.6	43
142	Designed formation through a metal organic framework route of ZnO/ZnCo₂O₄hollow coreâ€“shell nanocages with enhanced gas sensing properties. Nanoscale, 2016, 8, 16349-16356.	5.6	152
143	Reaction pathway and wiring network dependent Li/Na storage of micro-sized conversion anode with mesoporosity and metallic conductivity. Journal of Materials Chemistry A, 2015, 3, 509-514.	10.3	37
144	Strong optical absorption in CuTaN2 nitride delafossite. Energy and Environmental Science, 2013, 6, 2994.	30.8	42

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145	Nano-structured ternary niobium titanium nitrides as durable non-carbon supports for oxygen reduction reaction. Chemical Communications, 2013, 49, 10853.	4.1	49
146	Mesoporous chromium nitride as a high performance non-carbon support for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2013, 15, 7041.	2.8	49
147	Mesoporous titanium nitride supported Pt nanoparticles as high performance catalysts for methanol electrooxidation. Physical Chemistry Chemical Physics, 2013, 15, 1088-1092.	2.8	70
148	Mesoporous Chromium Nitride as High Performance Catalyst Support for Methanol Electrooxidation. Chemistry of Materials, 2013, 25, 1783-1787.	6.7	82
149	Mesoporous Metal Nitride Materials Prepared from Bulk Oxides. Journal of the American Ceramic Society, 2012, 95, 3084-3089.	3.8	56
150	Template-Free Synthesis of Mesoporous Transition Metal Nitride Materials from Ternary Cadmium Transition Metal Oxides. Chemistry of Materials, 2012, 24, 4406-4409.	6.7	47
151	Mesoporous vanadium nitride as a high performance catalyst support for formic acid electrooxidation. Chemical Communications, 2012, 48, 10502.	4.1	44
152	A dendrochronological analysis of maximum summer half-year temperature variations over the past 700 years on the northeastern Tibetan Plateau. Theoretical and Applied Climatology, 2008, 93, 195-206.	2.8	46
153	Catalytic Wet Air Oxidation of Coke-Plant Wastewater on Ruthenium-Based Eggshell Catalysts in a Bubbling Bed Reactor. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 66-70.	2.7	20
154	Surface oxidation for enhancing the hydrogen evolution reaction of metal nitrides: a theoretical study on vanadium nitride. Materials Advances, 0, , .	5.4	4