

Hangjia Shen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Mesoporous Ti _{0.5} Cr _{0.5} N for trace H ₂ S detection with excellent long-term stability. Journal of Hazardous Materials, 2022, 423, 127193.	12.4	9
2	Integrating trace amounts of Pd nanoparticles into Mo ₃ N ₂ 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	Boosting Oxygen Reduction for High-Efficiency H ₂ O ₂ Electrosynthesis on Oxygen-Coordinated Co ₂ Ni ₂ C Catalysts. Small, 2022, 18, e2200730.	10.0	25
5	Oxygen Release and Incorporation Behaviors Influenced by A-Site Cation Order/Disorder in LaCa ₂ Fe ₃ O ₉ with Unusually High Valence Fe ^{3.67+} . Chemistry of Materials, 2022, 34, 345-350.	6.7	4
6	Co ₄ N@WN composite for efficient piezocatalytic hydrogen evolution. Dalton Transactions, 2022, 51, 7127-7134.	3.3	9
7	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
8	High-density catalytic heterostructures strung by buried-in carbon tube network as monolithic holey host for durable Li-S batteries. Chemical Engineering Journal, 2022, 446, 137294.	12.7	17
9	Spin engineering of single-site metal catalysts. Innovation(China), 2022, 3, 100268.	9.1	6
10	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
11	pH-responsive copper-cluster-based dual-emission ratiometric fluorescent probe for imaging of bacterial metabolism. Talanta, 2021, 221, 121621.	5.5	15
12	Interface engineering of mesoporous triphasic cobalt-copper phosphides as active electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2021, 5, 1366-1373.	4.9	10
13	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
14	Nitrogen, sulfur co-doped carbon coated zinc sulfide for efficient hydrogen peroxide electrosynthesis. Dalton Transactions, 2021, 50, 5416-5419.	3.3	6
15	Titanium Nitride-Supported Platinum with Metal-Support Interaction for Boosting Photocatalytic H ₂ Evolution of Indium Sulfide. ACS Applied Materials & Interfaces, 2021, 13, 7238-7247.	8.0	40
16	Surface Functionalized Sensors for Humidity-Independent Gas Detection. Angewandte Chemie, 2021, 133, 6635-6640.	2.0	22
17	MOF Embedded and Cu Doped CeO ₂ Nanostructures as Efficient Catalyst for Adipic Acid Production: Green Catalysis. Catalysis, 2021, 11, 304.	3.5	16
18	Surface Functionalized Sensors for Humidity-Independent Gas Detection. Angewandte Chemie - International Edition, 2021, 60, 6561-6566.	13.8	66

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19	Recent Advances in Transition Metal Nitride-Based Materials for Photocatalytic Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2100553.	14.9	80
20	Surface Modification Using Polydopamine-Coated Liquid Metal Nanocapsules for Improving Performance of Graphene Paper-Based Thermal Interface Materials. <i>Nanomaterials</i> , 2021, 11, 1236.	4.1	17
21	Co ₃ Mo ₃ N ₄ —An efficient multifunctional electrocatalyst. <i>Innovation(China)</i> , 2021, 2, 100096.	9.1	26
22	Ni ₃ N-V ₂ O ₃ enables highly efficient 5-(Hydroxymethyl) furfural oxidation enabling membrane free hydrogen production. <i>Chemical Engineering Journal</i> , 2021, 415, 128864.	12.7	27
23	Integrated sensing array of the perovskite-type LnFeO ₃ (Ln=La, Pr, Nd, Sm) to discriminate detection of volatile sulfur compounds. <i>Journal of Hazardous Materials</i> , 2021, 413, 125380.	12.4	22
24	Intrinsic Electron Localization of Metastable MoS ₂ Boosts Electrocatalytic Nitrogen Reduction to Ammonia. <i>Advanced Materials</i> , 2021, 33, e2007509.	21.0	96
25	Facile Construction of Carbon Encapsulated of Earth-Abundant Metal Sulfides for Oxygen Electrocatalysis. <i>ChemElectroChem</i> , 2021, 8, 3533-3537.	3.4	6
26	Supporting nickel on vanadium nitride for comparable hydrogen evolution performance to platinum in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19669-19674.	10.3	19
27	Oxygen Coordination on Fe-N-C to Boost Oxygen Reduction Catalysis. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 517-524.	4.6	20
28	Ternary adsorbent photocatalyst hybrid (APH) nanomaterials for improved abstraction of tetracycline from water. <i>Separation Science and Technology</i> , 2020, 55, 2623-2641.	2.5	7
29	Experimental and Theoretical Insights of MoS ₂ /Mo ₃ N ₂ Nanoribbon Electrocatalysts for Efficient Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2020, 12, 122-128.	3.7	10
30	Orange Peel Derived Carbon Dots Decorated CuO Nanorods for the Selective Monitoring of Dopamine from Deboned Chicken. <i>Electroanalysis</i> , 2020, 32, 11-18.	2.9	23
31	Molten Salts-Assisted Fabrication of Fe, S, and N Doped Carbon as Efficient Oxygen Reduction Reaction Catalyst. <i>Energy Technology</i> , 2020, 8, 1900896.	3.8	4
32	<i>In situ</i> synthesis of stretchable and highly stable multi-color carbon-dots/polyurethane composite films for light-emitting devices. <i>RSC Advances</i> , 2020, 10, 1281-1286.	3.6	9
33	Zirconium nitride catalysts surpass platinum for oxygen reduction. <i>Nature Materials</i> , 2020, 19, 282-286.	27.5	293
34	Dual-Metal Interbonding as the Chemical Facilitator for Single-Atom Dispersions. <i>Advanced Materials</i> , 2020, 32, e2003484.	21.0	90
35	Interface catalysis by Pt nanocluster@Ni ₃ N for bifunctional hydrogen evolution and oxygen evolution. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2665-2672.	5.9	33
36	High-Performance Supercapacitor Electrode Obtained by Directly Bonding 2D Materials: Hierarchical MoS ₂ on Reduced Graphene Oxide. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	35

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37	Highly Localized Co^{II} Sites for Efficient Oxygen Reduction. <i>ACS Catalysis</i> , 2020, 10, 9366-9375.	11.2	21
38	Cobalt Nanoparticles Modified Single-Walled Titanium Carbonitride Nanotube Derived from Solid-Solid Separation for Oxygen Reduction Reaction in Alkaline Solution. <i>Electrocatalysis</i> , 2020, 11, 579-592.	3.0	3
39	Nickel- Fe Nitride-Nickel Sulfide Composites for Oxygen Evolution Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41464-41470.	8.0	44
40	FeNi_3 - FeNi_3N a high-performance catalyst for overall water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 6245-6250.	4.9	5
41	Ordered mesoporous transition metal nitrides prepared through hard template nanocasting and rapid nitridation process. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155375.	5.5	19
42	A size tunable bimetallic nickel-zinc nitride as a multi-functional co-catalyst on nitrogen doped titania boosts solar energy conversion. <i>Dalton Transactions</i> , 2020, 49, 4887-4895.	3.3	3
43	Flower-like FeS Coated with Heteroatom (S,N)-Doped Carbon as Highly Active and Durable Oxygen Reduction Electrocatalysts. <i>ChemElectroChem</i> , 2020, 7, 2433-2439.	3.4	6
44	Recent Advances in Nanocasting Cobalt-Based Mesoporous Materials for Energy Storage and Conversion. <i>Electrocatalysis</i> , 2020, 11, 465-484.	3.0	10
45	Dual-doping of ruthenium and nickel into Co_3O_4 for improving the oxygen evolution activity. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1390-1396.	5.9	26
46	Fe_3C cluster-promoted single-atom Fe, N doped carbon for oxygen-reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7218-7223.	2.8	17
47	Mesoporous Ternary Nitrides of Earth-Abundant Metals as Oxygen Evolution Electrocatalyst. <i>Nano-Micro Letters</i> , 2020, 12, 79.	27.0	63
48	Ultra-low Loading of Au Clusters on Nickel Nitride Efficiently Boosts Photocatalytic Hydrogen Production with Titanium Dioxide. <i>ChemCatChem</i> , 2020, 12, 2752-2759.	3.7	9
49	Metal organic framework-derived porous Fe_2N nanocubes by rapid-nitridation for efficient photocatalytic hydrogen evolution. <i>Materials Advances</i> , 2020, 1, 1161-1167.	5.4	22
50	Multifunctional hosts of Zinc sulfide coated carbon nanotubes for lithium sulfur batteries. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	3
51	A Surface-Oxide-Rich Activation Layer (SOAL) on $\text{Ni}_2\text{Mo}_3\text{N}$ for a Rapid and Durable Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18036-18041.	13.8	77
52	A Surface-Oxide-Rich Activation Layer (SOAL) on $\text{Ni}_2\text{Mo}_3\text{N}$ for a Rapid and Durable Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2020, 132, 18192-18197.	2.0	4
53	Chromium-titanium nitride as an efficient co-catalyst for photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15774-15781.	10.3	34
54	<i>In situ</i> growth of free-standing perovskite hydroxide electrocatalysts for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5919-5926.	10.3	21

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55	Three-Dimensional Mesoporous Phosphide-Spinel Oxide Heterojunctions with Dual Function as Catalysts for Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2020, 3, 1684-1693.	5.1	43
56	Hierarchical N-Doped Porous Carbons for Zn-Air Batteries and Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 20.	27.0	73
57	Nanoheterostructures of Partially Oxidized RuNi Alloy as Bifunctional Electrocatalysts for Overall Water Splitting. <i>ChemSusChem</i> , 2020, 13, 2739-2744.	6.8	23
58	Sandwich-Like Catalyst-Carbon-Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2020, 132, 12227-12236.	2.0	3
59	Ruthenium Triazine Composite: A Good Match for Increasing Hydrogen Evolution Activity through Contact Electrification. <i>Advanced Energy Materials</i> , 2020, 10, 2000067.	19.5	52
60	Nitridation of CoWO ₄ /CdS Nanocomposite Formed Metal Nitrides Assisting Efficiently Photocatalytic Hydrogen Evolution. <i>ACS Omega</i> , 2020, 5, 9969-9976.	3.5	9
61	Sandwich-Like Catalyst-Carbon-Catalyst Trilayer Structure as a Compact 2D Host for Highly Stable Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12129-12138.	13.8	130
62	Geometric Structure and Electronic Polarization Synergistically Boost Hydrogen Evolution Kinetics in Alkaline Medium. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3436-3442.	4.6	18
63	Physically Adsorbed Metal Ions in Porous Supports as Electrocatalysts for Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2020, 30, 1909889.	14.9	32
64	Communication-Fe/FeNi ₃ Embedded in Nitrogen-Doped Carbon Nanotubes as Bifunctional Oxygen Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2020, 167, 146504.	2.9	2
65	First-principles study of magnetism in some novel MXene materials. <i>RSC Advances</i> , 2020, 10, 44430-44436.	3.6	11
66	Conductive Holey MoO ₂ -Mo ₃ N ₂ Heterojunctions as Job-Synergistic Cathode Host with Low Surface Area for High-Loading Li-S Batteries. <i>ACS Nano</i> , 2019, 13, 10049-10061.	14.6	150
67	A review of oxygen reduction mechanisms for metal-free carbon-based electrocatalysts. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	480
68	Single-Step Formation of Ni Nanoparticle-Modified Graphene-Diamond Hybrid Electrodes for Electrochemical Glucose Detection. <i>Sensors</i> , 2019, 19, 2979.	3.8	18
69	Mechanochemical synthesis of multi-site electrocatalysts as bifunctional zinc-air battery electrodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19355-19363.	10.3	53
70	Nickel Hydroxide with Structural Defects for Sensitive Detection of Pb(II) and Cd(II) Ions in Aqueous Media. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1330-B1334.	2.9	3
71	Gold Nanocluster-Decorated Nickel Nitride as Stable Electrocatalyst for Oxygen Evolution Reaction in Alkaline Media. <i>ChemElectroChem</i> , 2019, 6, 5744-5749.	3.4	8
72	Ordered Mesoporous Cobalt-Nickel Nitride Prepared by Nanocasting for Oxygen Evolution Reaction Electrocatalysis. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900960.	3.7	57

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73	Three-Dimensional Hierarchically Ternary Iron Tungsten Nitride Nanosheets with Slight Ratio of Nickel Modulation for Oxygen Evolution Reaction. <i>Nano</i> , 2019, 14, 1950089.	1.0	3
74	Carbon-dot wrapped ZnO nanoparticle-based photoelectrochemical sensor for selective monitoring of H ₂ O ₂ released from cancer cells. <i>Mikrochimica Acta</i> , 2019, 186, 127.	5.0	35
75	Temperature-controlled spectral tuning of full-color carbon dots and their strongly fluorescent solid-state polymer composites for light-emitting diodes. <i>Nanoscale Advances</i> , 2019, 1, 1413-1420.	4.6	54
76	Solid-Separation Approach for Preparation of Carbon-Supported Cobalt Carbide Nanoparticle Catalysts for Oxygen Reduction. <i>ACS Applied Nano Materials</i> , 2019, 2, 3662-3670.	5.0	10
77	Oxygen-Defective Ultrathin BiVO ₄ Nanosheets for Enhanced Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23495-23502.	8.0	81
78	Nickel-Based Transition Metal Nitride Electrocatalysts for the Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2019, 12, 3941-3954.	6.8	150
79	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 2734-2742.	5.0	84
80	Oxygen Reduction Reactions of Fe-N-C Catalysts: Current Status and the Way Forward. <i>Electrochemical Energy Reviews</i> , 2019, 2, 252-276.	25.5	119
81	Hierarchical Co ₃ O ₄ @NiMoO ₄ core-shell nanowires for chemiresistive sensing of xylene vapor. <i>Mikrochimica Acta</i> , 2019, 186, 222.	5.0	26
82	A dual emission nanocomposite prepared from copper nanoclusters and carbon dots as a ratiometric fluorescent probe for sulfide and gaseous H ₂ S. <i>Mikrochimica Acta</i> , 2019, 186, 258.	5.0	30
83	Prussian blue derived Fe ₂ N for efficiently improving the photocatalytic hydrogen evolution activity of g-C ₃ N ₄ nanosheets. <i>Catalysis Science and Technology</i> , 2019, 9, 2571-2577.	4.1	32
84	Tungsten-Nitride-Coated Carbon Nanospheres as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , 2019, 6, 2074-2079.	3.4	16
85	High Oxidation Resistance of CVD Graphene-Reinforced Copper Matrix Composites. <i>Nanomaterials</i> , 2019, 9, 498.	4.1	16
86	Manganese-doped zinc oxide hollow balls for chemiresistive sensing of acetone vapors. <i>Mikrochimica Acta</i> , 2019, 186, 44.	5.0	11
87	Mixed ternary transition metal nitrides: A comprehensive review of synthesis, electronic structure, and properties of engineering relevance. <i>Progress in Solid State Chemistry</i> , 2019, 53, 1-26.	7.2	50
88	Adsorption Behaviors and Phase Equilibria for Clathrate Hydrates of Sulfur- and Nitrogen-Containing Small Molecules. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2691-2702.	3.1	10
89	Increased activity of nitrogen-doped graphene-like carbon sheets modified by iron doping for oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 42-52.	9.4	32
90	Highly integrated nanocomposites of RGO/TiO ₂ nanotubes for enhanced removal of microbes from water. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2567-2576.	2.2	13

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91	Hierarchical Ni ₃ ZnN Hollow Microspheres as Stable Non-Noble Metal Electrocatalysts for Oxygen Reduction Reactions. <i>Electrocatalysis</i> , 2018, 9, 452-458.	3.0	13
92	MoS ₂ -QD-Based Dual-Emission Photoluminescence Sensing Platform for Effective Determination of Al ³⁺ and Fe ³⁺ Simultaneously in Various Environment. <i>ChemistrySelect</i> , 2018, 3, 2326-2331.	1.5	19
93	Coordination Polymer-Derived Multishelled Mixed Ni-Co Oxide Microspheres for Robust and Selective Detection of Xylene. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15314-15321.	8.0	64
94	Gold-Cluster-Based Dual-Emission Nanocomposite Film as Ratiometric Fluorescent Sensing Paper for Specific Metal Ion. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700471.	2.3	19
95	Red-Emitting and highly stable carbon dots with dual response to pH values and ferric ions. <i>Mikrochimica Acta</i> , 2018, 185, 83.	5.0	94
96	Formation mechanism of highly dispersed semi-embedded ruthenium nanoparticles in porous carbon matrix determined by in situ temperature-programmed infrared spectroscopy. <i>Chinese Journal of Catalysis</i> , 2018, 39, 146-156.	14.0	6
97	Yellow-emitting carbon-dots-impregnated carboxy methyl cellulose/poly-vinyl-alcohol and chitosan: stable, freestanding, enhanced-quenching Cu ²⁺ -ions sensor. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4508-4515.	5.5	51
98	Morphology-controlled synthesis of TiO ₂ /MoS ₂ nanocomposites with enhanced visible-light photocatalytic activity. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 145-152.	6.0	40
99	Holey Sheets of Interconnected Carbon-Coated Nickel Nitride Nanoparticles as Highly Active and Durable Oxygen Evolution Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2018, 1, 6774-6780.	5.1	28
100	Large-Scale Synthesis of Flexible, Stable, and Transparent MoS ₂ Quantum Dots-Polyvinyl Alcohol Sensing Film. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800189.	2.3	3
101	A novel porous Mo ₃ N ₂ /MoO ₃ hybrid nanobelt as supercapacitor electrode material. <i>Nano Futures</i> , 2018, 2, 045001.	2.2	10
102	Graphene-wrapped nitrogen-doped hollow carbon spheres for high-activity oxygen electroreduction. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1489-1497.	5.9	19
103	Three-dimensional interconnected nitrogen-doped mesoporous carbons as active electrode materials for application in electrocatalytic oxygen reduction and supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 230-240.	9.4	56
104	Synthesis and application of nano-structured metal nitrides and carbides: A review. <i>Progress in Solid State Chemistry</i> , 2018, 50, 1-15.	7.2	104
105	Atomically Dispersed Fe, N Co-Doped Ordered Mesoporous Carbon for Non-Enzymatic Hydrogen Peroxide Sensing. <i>Journal of the Electrochemical Society</i> , 2018, 165, H348-H352.	2.9	12
106	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12091-12097.	10.3	88
107	Crucial Role of Donor Density in the Performance of Oxynitride Perovskite LaTiO ₂ N for Photocatalytic Water Oxidation. <i>ChemSusChem</i> , 2017, 10, 930-937.	6.8	19
108	In situ formation of a cellular graphene framework in thermoplastic composites leading to superior thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6164-6169.	10.3	149

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109	Three-dimensional carbon nanofiber derived from bacterial cellulose for use in a Nafion matrix on a glassy carbon electrode for simultaneous voltammetric determination of trace levels of Cd(II) and Pb(II). <i>Mikrochimica Acta</i> , 2017, 184, 2759-2766.	5.0	25
110	Microwave-assisted synthesis of multimetal oxygen-evolving catalysts. <i>Electrochemistry Communications</i> , 2017, 81, 116-119.	4.7	15
111	Atomically FeN ₂ moieties dispersed on mesoporous carbon: A new atomic catalyst for efficient oxygen reduction catalysis. <i>Nano Energy</i> , 2017, 35, 9-16.	16.0	289
112	Identification of active sites for hydrogenation over Ru/SBA-15 using in situ Fourier-transform infrared spectroscopy. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1597-1602.	14.0	14
113	Synergistic Effects between Atomically Dispersed Fe [~] N [~] C and C [~] S [~] C for the Oxygen Reduction Reaction in Acidic Media. <i>Angewandte Chemie</i> , 2017, 129, 13988-13992.	2.0	88
114	Synergistic Effects between Atomically Dispersed Fe [~] N [~] C and C [~] S [~] C for the Oxygen Reduction Reaction in Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13800-13804.	13.8	409
115	Protic salt-based nitrogen-doped mesoporous carbon for simultaneous electrochemical detection of Cd(ii) and Pb(ii). <i>RSC Advances</i> , 2017, 7, 36929-36934.	3.6	4
116	Amine coupled ordered mesoporous (Co [~] N) co-doped TiO ₂ : a green photocatalyst for the selective aerobic oxidation of thioether. <i>Catalysis Science and Technology</i> , 2017, 7, 4182-4192.	4.1	12
117	Clustered-Microcapsule-Shaped Microporous Carbon-Coated Sulfur Composite Synthesized via in Situ Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44512-44518.	8.0	9
118	A novel synthetic route to cathode materials for Li [~] S batteries: from organic sulfides to sulfur/nitrogenous carbon composites. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16796-16802.	10.3	20
119	Mesoporous WN/WO ₃ -Composite Nanosheets for the Chemiresistive Detection of NO ₂ at Room Temperature. <i>Inorganics</i> , 2016, 4, 24.	2.7	8
120	Low Working [~] Temperature Acetone Vapor Sensor Based on Zinc Nitride and Oxide Hybrid Composites. <i>Small</i> , 2016, 12, 3128-3133.	10.0	57
121	Luminescent properties and sensing performance of a carbon quantum dot encapsulated mesoporous silica/polyacrylonitrile electrospun nanofibrous membrane. <i>Journal of Materials Science</i> , 2016, 51, 6801-6811.	3.7	29
122	A mesoporous Ni ₃ N/NiO composite with a core [~] shell structure for room temperature, selective and sensitive NO ₂ gas sensing. <i>RSC Advances</i> , 2016, 6, 42917-42922.	3.6	6
123	Facile synthesis of iron oxide coupled and doped titania nanocomposites: tuning of physicochemical and photocatalytic properties. <i>RSC Advances</i> , 2016, 6, 72791-72802.	3.6	43
124	Designed formation through a metal organic framework route of ZnO/ZnCo ₂ O ₄ hollow core [~] shell nanocages with enhanced gas sensing properties. <i>Nanoscale</i> , 2016, 8, 16349-16356.	5.6	152
125	Effect of nitrogen substitution on the structural and magnetic ordering transitions of NiCr ₂ O ₄ . <i>RSC Advances</i> , 2016, 6, 112140-112147.	3.6	6
126	Enhanced photocatalytic degradation of dye under visible light on mesoporous microspheres by defects in manganese- and nitrogen-co-doped TiO ₂ . <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	10

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127	In situ Magnesiothermal Synthesis of Mesoporous MgO/OMC Composite for Sensitive Detection of Lead Ions. <i>Electroanalysis</i> , 2016, 28, 2939-2946.	2.9	7
128	Facile one-pot synthesis and application of nitrogen and sulfur-doped activated graphene in simultaneous electrochemical determination of hydroquinone and catechol. <i>Analyst</i> , The, 2016, 141, 5555-5562.	3.5	45
129	N-Doped Ordered Mesoporous Carbon Originated from a Green Biological Dye for Electrochemical Sensing and High-Pressure CO ₂ Storage. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 918-926.	8.0	30
130	Atomistic understanding of the origin of high oxygen reduction electrocatalytic activity of cuboctahedral Pt ₃ Co@Pt core-shell nanoparticles. <i>Catalysis Science and Technology</i> , 2016, 6, 1393-1401.	4.1	17
131	Reaction pathway and wiring network dependent Li/Na storage of micro-sized conversion anode with mesoporosity and metallic conductivity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 509-514.	10.3	37
132	Geometric effect of Ru/HSAG@mSiO ₂ : a catalyst for selective hydrogenation of cinnamaldehyde. <i>RSC Advances</i> , 2014, 4, 30180-30185.	3.6	17
133	Surface oxidation for enhancing the hydrogen evolution reaction of metal nitrides: a theoretical study on vanadium nitride. <i>Materials Advances</i> , 0, , .	5.4	4