Huijun Zhao

List of Publications by Year
in descending order

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570 papers	49,015 citations	1040 113 h-index	2812 191 g-index
585 all docs	585 docs citations	585 times ranked	43084 citing authors

#	Article	IF	Citations
1	Ru(bpy)32+-sensitized {001} facets LiCoO2 nanosheets catalyzed CO2 reduction reaction with 100% carbonaceous products. Nano Research, 2022, 15, 1061-1068.	5.8	24
2	Interpolation between W Dopant and Co Vacancy in CoOOH for Enhanced Oxygen Evolution Catalysis. Advanced Materials, 2022, 34, e2104667.	11.1	45
3	Elemental 2D Materials: Solutionâ€Processed Synthesis and Applications in Electrochemical Ammonia Production. Advanced Functional Materials, 2022, 32, 2107280.	7.8	20
4	Molecularly Dispersed Cobalt Phthalocyanine Mediates Selective and Durable CO₂ Reduction in a Membrane Flow Cell. Advanced Functional Materials, 2022, 32, 2107301.	7.8	43
5	Adsorption and desorption mechanism of aromatic VOCs onto porous carbon adsorbents for emission control and resource recovery: recent progress and challenges. Environmental Science: Nano, 2022, 9, 81-104.	2.2	35
6	hcp-phased Ni nanoparticles with generic catalytic hydrogenation activities toward different functional groups. Science China Materials, 2022, 65, 1252-1261.	3.5	5
7	TMN4 complex embedded graphene as efficient and selective electrocatalysts for chlorine evolution reactions. Journal of Electroanalytical Chemistry, 2022, 907, 116071.	1.9	16
8	High-throughput split-protein profiling by combining transposon mutagenesis and regulated protein-protein interactions with deep sequencing. International Journal of Biological Macromolecules, 2022, 203, 543-552.	3.6	0
9	Hollow carbon sphere encapsulated nickel nanoreactor for aqueous-phase hydrogenation-rearrangement tandem reaction with enhanced catalytic performance. Applied Catalysis B: Environmental, 2022, 306, 121140.	10.8	22
10	The stress response mechanisms of biofilm formation under sub-lethal photocatalysis. Applied Catalysis B: Environmental, 2022, 307, 121200.	10.8	24
11	Î²-Arsenene Monolayer: A Promising Electrocatalyst for Anodic Chlorine Evolution Reaction. Catalysts, 2022, 12, 296.	1.6	3
12	Molecularly Dispersed Cobalt Phthalocyanine Mediates Selective and Durable CO₂ Reduction in a Membrane Flow Cell (Adv. Funct. Mater. 11/2022). Advanced Functional Materials, 2022, 32, .	7.8	1
13	Hydrogen Spillover-Bridged Volmer/Tafel Processes Enabling Ampere-Level Current Density Alkaline Hydrogen Evolution Reaction under Low Overpotential. Journal of the American Chemical Society, 2022, 144, 6028-6039.	6.6	179
14	Enhanced Desalination Performance by a Novel Archimedes Spiral Flow Channel for Flow-Electrode Capacitive Deionization. ACS ES&T Engineering, 2022, 2, 1250-1259.	3.7	15
15	The typical structural evolution of silicon anode. Cell Reports Physical Science, 2022, 3, 100811.	2.8	10
16	Facile synthesis of N, P co-doped carbon encapsulated Ni catalyst for green production of cyclopentanone from biomass derivative furfural. Fuel, 2022, 319, 123815.	3.4	9
17	Low-Dimensional Metalâ€“Organic Frameworks with High Activity and Selectivity toward Electrocatalytic Chlorine Evolution Reactions. Journal of Physical Chemistry C, 2022, 126, 7066-7075.	1.5	20
18	Atomically-dispersed Mn-(N-C2)2(O-C2)2 sites on carbon for efficient oxygen reduction reaction. Energy Storage Materials, 2022, 49, 209-218.	9.5	26

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19	Operando Converting BiOCl into Bi2O2(CO3)xCly for Efficient Electrocatalytic Reduction of Carbon Dioxide to Formate. Nano-Micro Letters, 2022, 14, 121.	14.4	15
20	Flow-electrode capacitive deionization utilizing three-dimensional foam current collector for real seawater desalination. Water Research, 2022, 220, 118642.	5.3	27
21	Fabrication of Highâ€Quality CsBi₃I₁₀ Films via a Gasâ€Assisted Approach for Efficient Leadâ€Free Perovskite Solar Cells. Energy Technology, 2022, 10, .	1.8	4
22	Synergistic Cr₂O₃@Ag Heterostructure Enhanced Electrocatalytic CO₂ Reduction to CO. Advanced Materials, 2022, 34, .	11.1	51
23	Integration of Fe2O3-based photoanode and atomically dispersed cobalt cathode for efficient photoelectrochemical NH3 synthesis. Chinese Chemical Letters, 2021, 32, 805-810.	4.8	13
24	Robust enhanced hydrogen production at acidic conditions over molybdenum oxides-stabilized ultrafine palladium electrocatalysts. Nano Research, 2021, 14, 268-274.	5.8	19
25	Tunable synthesis of imines and secondary-amines from tandem hydrogenation-coupling of aromatic nitro and aldehyde over NiCo5 bi-metallic catalyst. Applied Catalysis B: Environmental, 2021, 280, 119448.	10.8	17
26	Membrane-based colorimetric flow-injection system for online free chlorine monitoring in drinking water. Sensors and Actuators B: Chemical, 2021, 327, 128905.	4.0	10
27	Membrane-Based Portable Colorimetric Gaseous Chlorine Sensing Probe. Analytical Chemistry, 2021, 93, 769-776.	3.2	7
28	Single-atom Fe with Fe1N3 structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. Science China Materials, 2021, 64, 642-650.	3.5	98
29	Efficient electrocatalytic nitrogen reduction to ammonia with aqueous silver nanodots. Communications Chemistry, 2021, 4, .	2.0	36
30	Scalable and controllable fabrication of CNTs improved yolk-shelled Si anodes with advanced in operando mechanical quantification. Energy and Environmental Science, 2021, 14, 3502-3509.	15.6	45
31	Converting Co2+-impregnated g-C3N4 into N-doped CNTs-confined Co nanoparticles for efficient hydrogenation rearrangement reactions of furanic aldehydes. Nano Research, 2021, 14, 2846-2852.	5.8	18
32	Synergistic catalysis of cluster and atomic copper induced by copper-silica interface in transfer-hydrogenation. Nano Research, 2021, 14, 4601-4609.	5.8	12
33	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	5.8	156
34	Grey hematite photoanodes decrease the onset potential in photoelectrochemical water oxidation. Science Bulletin, 2021, 66, 1013-1021.	4.3	7
35	Pseudocapacitive desalination via valence engineering with spindle-like manganese oxide/carbon composites. Nano Research, 2021, 14, 4878-4884.	5.8	21
36	In Situ Growth of Ultrathin Ni(OH)₂ Nanosheets as Catalyst for Electrocatalytic Oxidation Reactions. ChemSusChem, 2021, 14, 2935-2942.	3.6	35

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37	Anchoring Single Copper Atoms to Microporous Carbon Spheres as Highâ€Performance Electrocatalyst for Oxygen Reduction Reaction. Advanced Functional Materials, 2021, 31, 2104864.	7.8	115
38	Intrinsic Pseudocapacitive Affinity in Manganese Spinel Ferrite Nanospheres for High-Performance Selective Capacitive Removal of Ca²⁺ and Mg²⁺. ACS Applied Materials & Interfaces, 2021, 13, 38886-38896.	4.0	20
39	Highly Dispersed Ru Nanoparticles on Boronâ€Doped Ti₃C₂T_x (MXene) Nanosheets for Synergistic Enhancement of Electrocatalytic Hydrogen Evolution. Small, 2021, 17, e2102218.	5.2	83
40	Crystal plane effect of ceria on supported copper catalyst for liquid-phase hydrogenation of unsaturated aldehyde. Journal of Colloid and Interface Science, 2021, 596, 34-43.	5.0	10
41	Synchronous removal of tetracycline and water hardness ions by capacitive deionization. Journal of Cleaner Production, 2021, 316, 128251.	4.6	17
42	Encapsulated Ni-Co alloy nanoparticles as efficient catalyst for hydrodeoxygenation of biomass derivatives in water. Chinese Journal of Catalysis, 2021, 42, 2027-2037.	6.9	43
43	Metagenomic profiles and health risks of pathogens and antibiotic resistance genes in various industrial wastewaters and the associated receiving surface water. Chemosphere, 2021, 283, 131224.	4.2	39
44	Real-time on-site monitoring of soil ammonia emissions using membrane permeation-based sensing probe. Environmental Pollution, 2021, 289, 117850.	3.7	5
45	Selective electrocatalytic hydrogenation of nitrobenzene over copper-platinum alloying catalysts: Experimental and theoretical studies. Applied Catalysis B: Environmental, 2021, 298, 120545.	10.8	44
46	In situ growth of MOFs on Ni(OH)₂ for efficient electrocatalytic oxidation of 5-hydroxymethylfurfural. Chemical Communications, 2021, 57, 11358-11361.	2.2	6
47	Rational design of metal oxide catalysts for electrocatalytic water splitting. Nanoscale, 2021, 13, 20324-20353.	2.8	38
48	2D Electrocatalysts for Converting Earthâ€Abundant Simple Molecules into Valueâ€Added Commodity Chemicals: Recent Progress and Perspectives. Advanced Materials, 2020, 32, e1904870.	11.1	76
49	Porous carbon nanosheets functionalized with Fe₃O₄ nanoparticles for capacitive removal of heavy metal ions from water. Environmental Science: Water Research and Technology, 2020, 6, 331-340.	1.2	27
50	CoO_x@Co Nanoparticleâ€based Catalyst for Efficient Selective Transfer Hydrogenation of Î±,Î²â€Unsaturated Aldehydes. ChemCatChem, 2020, 12, 1019-1024.	1.8	10
51	Electrodeposition of hierarchically amorphous FeOOH nanosheets on carbonized bamboo as an efficient filter membrane for As(III) removal. Chemical Engineering Journal, 2020, 392, 123773.	6.6	34
52	Feâ€Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie, 2020, 132, 23727-23732.	1.6	1
53	Cobalt-doped Mn3O4 nanocrystals embedded in graphene nanosheets as a high-performance bifunctional oxygen electrocatalyst for rechargeable Znâ€“Air batteries. Green Energy and Environment, 2020, 5, 499-505.	4.7	59
54	Fast and cost-effective room temperature synthesis of high quality graphene oxide with excellent structural intactness. Sustainable Materials and Technologies, 2020, 25, e00198.	1.7	4

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55	Effects of compositional engineering and surface passivation on the properties of halide perovskites: a theoretical understanding. Physical Chemistry Chemical Physics, 2020, 22, 19718-19724.	1.3	11
56	Perovskite Microcrystals with Intercalated Monolayer MoS2 Nanosheets as Advanced Photocatalyst for Solar-Powered Hydrogen Generation. Matter, 2020, 3, 935-949.	5.0	81
57	Selective Growth of Highâ€Density Anatase {101} Twin Boundaries on Highâ€Energy {001} Facets. Small Structures, 2020, 1, 2000025.	6.9	16
58	Coexisting Singleâ€Atomic Fe and Ni Sites on Hierarchically Ordered Porous Carbon as a Highly Efficient ORR Electrocatalyst. Advanced Materials, 2020, 32, e2004670.	11.1	404
59	Rational Design of Cobaltâ€Platinum Alloy Decorated Cobalt Nanoparticles for Oneâ€Pot Synthesis of Imines from Nitroarenes and Aldehydes. ChemCatChem, 2020, 12, 5948-5958.	1.8	10
60	Feâ€Co Alloyed Nanoparticles Catalyzing Efficient Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol in Water. Angewandte Chemie - International Edition, 2020, 59, 23521-23526.	7.2	91
61	Selective Pseudocapacitive Deionization of Calcium Ions in Copper Hexacyanoferrate. ACS Applied Materials & Interfaces, 2020, 12, 41437-41445.	4.0	43
62	Materials Science in Australia. Advanced Materials, 2020, 32, e2001629.	11.1	4
63	Electrocatalytically Active Feâ€(Oâ€C₂)₄ Singleâ€Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie - International Edition, 2020, 59, 13423-13429.	7.2	161
64	Highly dispersed nickel anchored on a N-doped carbon molecular sieve derived from metalâ€“organic frameworks for efficient hydrodeoxygenation in the aqueous phase. Chemical Communications, 2020, 56, 6696-6699.	2.2	17
65	Activation strategies of water-splitting electrocatalysts. Journal of Materials Chemistry A, 2020, 8, 10096-10129.	5.2	67
66	Electrocatalytically Active Feâ€(Oâ€C₂)₄ Singleâ€Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie, 2020, 132, 13525-13531.	1.6	23
67	Recent Advances in Perovskiteâ€Based Buildingâ€Integrated Photovoltaics. Advanced Materials, 2020, 32, e2000631.	11.1	80
68	Lignosulfonate functionalized g-C₃N₄/carbonized wood sponge for highly efficient heavy metal ion scavenging. Journal of Materials Chemistry A, 2020, 8, 12687-12698.	5.2	48
69	Hierarchical Co₃O₄@N-Doped Carbon Composite as an Advanced Anode Material for Ultrastable Potassium Storage. ACS Nano, 2020, 14, 5027-5035.	7.3	121
70	Approaching the activity limit of CoSe2 for oxygen evolution via Fe doping and Co vacancy. Nature Communications, 2020, 11, 1664.	5.8	191
71	Transition Metal (Fe, Co, Mn) Boosting the Lithium Storage of the Multishelled NiO Anode. Energy Technology, 2020, 8, 2000008.	1.8	7
72	Laser Irradiation in Liquid to Release Cobalt Single-Atom Sites for Efficient Electrocatalytic N2 Reduction. ACS Applied Energy Materials, 2020, 3, 6079-6086.	2.5	19

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73	How Cobalt and Iron Doping Determine the Oxygen Evolution Electrocatalytic Activity of NiOOH. Cell Reports Physical Science, 2020, 1, 100077.	2.8	35
74	Phosphorus and Sulfur Coâ€Doped Cobaltous Oxide Synthesized by an Inorganicâ€Saltâ€Assisted Method: Reaction Mechanism and Electrocatalytic Application. ChemPlusChem, 2020, 85, 1602-1611.	1.3	4
75	Formation of Bï£¿Nï£¿C Coordination to Stabilize the Exposed Active Nitrogen Atoms in gâ€C₃N₄ for Dramatically Enhanced Photocatalytic Ammonia Synthesis Performance. Small, 2020, 16, e1906880.	5.2	88
76	Accelerated evolution of bacterial antibiotic resistance through early emerged stress responses driven by photocatalytic oxidation. Applied Catalysis B: Environmental, 2020, 269, 118829.	10.8	55
77	Fabrication of hierarchically porous NH2-MIL-53/wood-carbon hybrid membrane for highly effective and selective sequestration of Pb2+. Chemical Engineering Journal, 2020, 387, 124141.	6.6	44
78	Ensembles of Photonic Beads: Optical Properties and Enhanced Lightâ€"Matter Interactions. Advanced Optical Materials, 2020, 8, 1901537.	3.6	16
79	Manganese oxides transformed from orthorhombic phase to birnessite with enhanced electrochemical performance as supercapacitor electrodes. Journal of Materials Chemistry A, 2020, 8, 3746-3753.	5.2	22
80	An inverted BiI3/PCBM binary quasi-bulk heterojunction solar cell with a power conversion efficiency of 1.50%. Nano Energy, 2020, 73, 104799.	8.2	17
81	In situ growth of well-aligned Ni-MOF nanosheets on nickel foam for enhanced photocatalytic degradation of typical volatile organic compounds. Nanoscale, 2020, 12, 9462-9470.	2.8	66
82	Stable Seamless Interfaces and Rapid Ionic Conductivity of Caâ€"CeO₂/LiTFSI/PEO Composite Electrolyte for Highâ€Rate and Highâ€Voltage Allâ€Solidâ€State Battery. Advanced Energy Materials, 2020, 10, 2000049.	10.2	252
83	A versatile PDMS submicrobead/graphene oxide nanocomposite ink for the direct ink writing of wearable micron-scale tactile sensors. Applied Materials Today, 2019, 16, 482-492.	2.3	106
84	Recent Progress of Direct Ink Writing of Electronic Components for Advanced Wearable Devices. ACS Applied Electronic Materials, 2019, 1, 1718-1734.	2.0	108
85	The role of electrolyte acid concentration in the electrochemical exfoliation of graphite: Mechanism and synthesis of electrochemical graphene oxide. Nano Materials Science, 2019, 1, 215-223.	3.9	35
86	A Hollowâ€Shell Structured V₂O₅ Electrodeâ€Based Symmetric Full Liâ€Ion Battery with Highest Capacity. Advanced Energy Materials, 2019, 9, 1900909.	10.2	51
87	Liberating Nâ€CNTs Confined Highly Dispersed Coï£¿N_x Sites for Selective Hydrogenation of Quinolines. Advanced Materials, 2019, 31, e1906051.	11.1	56
88	Potassiumâ€Ionâ€Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visibleâ€Lightâ€Driven Photocatalytic Nitrogen Reduction. Angewandte Chemie, 2019, 131, 16797-16803.	1.6	26
89	Potassiumâ€Ionâ€Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visibleâ€Lightâ€Driven Photocatalytic Nitrogen Reduction. Angewandte Chemie - International Edition, 2019, 58, 16644-16650.	7.2	356
90	Theoretical Understanding of Electrocatalytic Hydrogen Production Performance by Low-Dimensional Metalâ€"Organic Frameworks on the Basis of Resonant Charge-Transfer Mechanisms. Journal of Physical Chemistry Letters, 2019, 10, 6955-6961.	2.1	15

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91	Sub-lethal photocatalysis bactericidal technology cause longer persistence of antibiotic-resistance mutant and plasmid through the mechanism of reduced fitness cost. Applied Catalysis B: Environmental, 2019, 245, 698-705.	10.8	24
92	Membrane-based conductivity probe for real-time in-situ monitoring rice field ammonia volatilization. Sensors and Actuators B: Chemical, 2019, 286, 62-68.	4.0	12
93	The electrochemical corrosion of an air thermally-treated carbon fiber cloth electrocatalyst with outstanding oxygen evolution activity under alkaline conditions. Chemical Communications, 2019, 55, 2344-2347.	2.2	10
94	Nitrogenâ€Ðoped Carbon Nanotube Confined Coâ€“N_x Sites for Selective Hydrogenation of Biomassâ€Ðerived Compounds. Advanced Materials, 2019, 31, e1808341.	11.1	138
95	Scalable Production of Graphene Oxide Using a 3D-Printed Packed-Bed Electrochemical Reactor with a Boron-Doped Diamond Electrode. ACS Applied Nano Materials, 2019, 2, 867-878.	2.4	41
96	Experimental and theoretical understanding on electrochemical activation and inactivation processes of Nb₃O₇(OH) for ambient electrosynthesis of NH₃. Journal of Materials Chemistry A, 2019, 7, 16969-16978.	5.2	39
97	Online Conductimetric Flow-Through Analyzer Based on Membrane Diffusion for Ammonia Control in Wastewater Treatment Process. ACS Sensors, 2019, 4, 1881-1888.	4.0	13
98	Encapsulation of Plasmid DNA by Nanoscale Metalâ€“Organic Frameworks for Efficient Gene Transportation and Expression. Advanced Materials, 2019, 31, e1901570.	11.1	130
99	Design of three-dimensional hierarchical TiO₂/SrTiO₃ heterostructures towards selective CO₂ photoreduction. Inorganic Chemistry Frontiers, 2019, 6, 1667-1674.	3.0	33
100	Enhanced CO₂ electroreduction performance over Cl-modified metal catalysts. Journal of Materials Chemistry A, 2019, 7, 12420-12425.	5.2	42
101	A hierarchical hybrid monolith: MoS₄^{2â^'}-intercalated NiFe layered double hydroxide nanosheet arrays assembled on carbon foam for highly efficient heavy metal removal. Journal of Materials Chemistry A, 2019, 7, 12869-12881.	5.2	58
102	A Yolkâ€“Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 8824-8828.	7.2	242
103	A Yolkâ€“Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithiumâ€Ion Batteries. Angewandte Chemie, 2019, 131, 8916-8920.	1.6	18
104	Converting eggplant biomass into multifunctional porous carbon electrodes for self-powered capacitive deionization. Environmental Science: Water Research and Technology, 2019, 5, 1054-1063.	1.2	21
105	Regulating the Catalytic Performance of Single-Atomic-Site Ir Catalyst for Biomass Conversion by Metalâ€“Support Interactions. ACS Catalysis, 2019, 9, 5223-5230.	5.5	87
106	Room temperature production of graphene oxide with thermally labile oxygen functional groups forÂimproved lithium ion battery fabrication and performance. Journal of Materials Chemistry A, 2019, 7, 9646-9655.	5.2	27
107	Housing Sulfur in Polymer Composite Frameworks for Liâ€“S Batteries. Nano-Micro Letters, 2019, 11, 17.	14.4	102
108	Catalyst-free activation of persulfate by visible light for water disinfection: Efficiency and mechanisms. Water Research, 2019, 157, 106-118.	5.3	145

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109	Construction of Pd/BiOCl Catalyst for Highlyâ€selective Synthesis of Benzoin Ethyl Ether by Chlorine Promoted Coupling Reaction. ChemCatChem, 2019, 11, 2676-2682.	1.8	4
110	Enhancement of the visible-light photocatalytic activity of CeO₂ by chemisorbed oxygen in the selective oxidation of benzyl alcohol. New Journal of Chemistry, 2019, 43, 7355-7362.	1.4	21
111	Highly sensitive detection of nitrite by using gold nanoparticle-decorated Î±-Fe₂O₃ nanorod arrays as self-supporting photo-electrodes. Inorganic Chemistry Frontiers, 2019, 6, 1432-1441.	3.0	18
112	Hierarchical Porous Carbon Materials Derived from Kelp for Superior Capacitive Applications. ACS Sustainable Chemistry and Engineering, 2019, 7, 8735-8743.	3.2	71
113	Ambient Electrosynthesis of Ammonia on a Coreâ€“Shellâ€Structured Au@CeO₂ Catalyst: Contribution of Oxygen Vacancies in CeO₂. Chemistry - A European Journal, 2019, 25, 5904-5911.	1.7	69
114	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by Inâ€Operando Created Liâ€“S Interactions on MoS₂ Electrocatalyst. Advanced Energy Materials, 2019, 9, 1803935.	10.2	176
115	Theoretical study of single transition metal atom modified MoP as a nitrogen reduction electrocatalyst. Physical Chemistry Chemical Physics, 2019, 21, 5950-5955.	1.3	43
116	Cu doping in CeO₂ to form multiple oxygen vacancies for dramatically enhanced ambient N₂ reduction performance. Chemical Communications, 2019, 55, 2952-2955.	2.2	138
117	EcoMat: Join us in the pursuit of functional materials for green energy and environment. EcoMat, 2019, 1, e12009.	6.8	0
118	Sulfur-doped cobalt oxide nanowires as efficient electrocatalysts for iodine reduction reaction. Journal of Alloys and Compounds, 2019, 772, 80-91.	2.8	11
119	2Dâ€“2D Heterostructured UNiMOF/g-C₃N₄ for Enhanced Photocatalytic H₂ Production under Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2019, 7, 2492-2499.	3.2	90
120	Rapid-Heating-Triggered in Situ Solid-State Transformation of Amorphous TiO₂ Nanotubes into Well-Defined Anatase Nanocrystals. Crystal Growth and Design, 2019, 19, 1086-1094.	1.4	4
121	Ambient Electrosynthesis of Ammonia on a Biomass-Derived Nitrogen-Doped Porous Carbon Electrocatalyst: Contribution of Pyridinic Nitrogen. ACS Energy Letters, 2019, 4, 377-383.	8.8	142
122	Manipulating the assembled structure of atomically thin CoSe2 nanomaterials for enhanced water oxidation catalysis. Nano Energy, 2019, 57, 371-378.	8.2	23
123	A Gradient Heterostructure Based on Tolerance Factor in Highâ€Performance Perovskite Solar Cells with 0.84 Fill Factor. Advanced Materials, 2019, 31, e1804217.	11.1	95
124	Antibiotic-resistance gene transfer in antibiotic-resistance bacteria under different light irradiation: Implications from oxidative stress and gene expression. Water Research, 2019, 149, 282-291.	5.3	115
125	Wet-chemistry grafted active pyridinic nitrogen sites on holey graphene edges as high performance ORR electrocatalyst for Zn-AirÂbatteries. Materials Today Energy, 2019, 11, 24-29.	2.5	23
126	Correlating electrocatalytic activities with sulfur species on sulfur-doped cobalt oxide. Materials Letters, 2019, 236, 614-617.	1.3	2

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127	Tungstenâ€Doped Nanocrystalline V₆O₁₃ Nanoparticles as Lowâ€Cost and Highâ€Performance Electrodes for Energy Storage Devices. Energy Technology, 2019, 7, 1801041.	1.8	10
128	Simultaneously high-rate furfural hydrogenation and oxidation upgrading on nanostructured transition metal phosphides through electrocatalytic conversion at ambient conditions. Applied Catalysis B: Environmental, 2019, 244, 899-908.	10.8	115
129	Twoâ€Step Activated Carbon Cloth with Oxygenâ€Rich Functional Groups as a Highâ€Performance Additiveâ€Free Air Electrode for Flexible Zincâ€“Air Batteries. Advanced Energy Materials, 2019, 9, 1802936.	10.2	170
130	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. Chemical Engineering Journal, 2019, 357, 579-588.	6.6	124
131	Cobalt-based composite films on electrochemically activated carbon cloth as high performance overall water splitting electrodes. International Journal of Hydrogen Energy, 2019, 44, 23-33.	3.8	34
132	Evaluating death and activity decay of Anammox bacteria during anaerobic and aerobic starvation. Chemosphere, 2018, 201, 25-31.	4.2	51
133	Transformation of carbon-encapsulated metallic Co into ultrafine Co/CoO nanoparticles exposed on N-doped graphitic carbon for high-performance rechargeable zinc-air battery. Applied Surface Science, 2018, 448, 369-379.	3.1	31
134	AgInS2/In2S3 heterostructure sensitization of Escherichia coli for sustainable hydrogen production. Nano Energy, 2018, 46, 234-240.	8.2	76
135	Xâ€Shaped Î±â€FeOOH with Enhanced Charge Separation for Visibleâ€Lightâ€Driven Photocatalytic Overall Water Splitting. ChemSusChem, 2018, 11, 1365-1373.	3.6	45
136	NiFe-Layered Double Hydroxide Nanosheet Arrays Supported on Carbon Cloth for Highly Sensitive Detection of Nitrite. ACS Applied Materials & Interfaces, 2018, 10, 6541-6551.	4.0	140
137	Nâ€Modified NiO Surface for Superior Alkaline Hydrogen Evolution. ChemSusChem, 2018, 11, 1020-1024.	3.6	12
138	A Hierarchical Zâ€Scheme Î±â€Fe₂O₃/gâ€C₃N₄ Hybrid for Enhanced Photocatalytic CO₂ Reduction. Advanced Materials, 2018, 30, 1706108.	11.1	761
139	Notable hydrogen production on LaxCa1â^'xCoO3 perovskites via two-step thermochemical water splitting. Journal of Materials Science, 2018, 53, 6796-6806.	1.7	30
140	Enhanced Thermochemical H2 Production on Ca-Doped Lanthanum Manganite Perovskites Through Optimizing the Dopant Level and Re-oxidation Temperature. Acta Metallurgica Sinica (English Letters), 2018, 31, 431-439.	1.5	13
141	Hydroxyapatite nanoparticles in root cells: reducing the mobility and toxicity of Pb in rice. Environmental Science: Nano, 2018, 5, 398-407.	2.2	22
142	Hierarchical MgFe-layered double hydroxide microsphere/graphene composite for simultaneous electrochemical determination of trace Pb(II) and Cd(II). Chemical Engineering Journal, 2018, 347, 953-962.	6.6	86
143	Sulfonate group modified Ni catalyst for highly efficient liquid-phase selective hydrogenation of bio-derived furfural. Chinese Chemical Letters, 2018, 29, 1617-1620.	4.8	22
144	Enhanced Visible-Light-Driven Photocatalytic Bacterial Inactivation by Ultrathin Carbon-Coated Magnetic Cobalt Ferrite Nanoparticles. Environmental Science & Technology, 2018, 52, 4774-4784.	4.6	108

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145	Electrolyte Effect on Electrocatalytic Hydrogen Evolution Performance of One-Dimensional Cobaltâ€“Dithiolene Metalâ€“Organic Frameworks: A Theoretical Perspective. ACS Applied Energy Materials, 2018, 1, 1688-1694.	2.5	27
146	Selective Determination of Cr(VI) by Glutaraldehyde Cross-Linked Chitosan Polymer Fluorophores. ACS Sensors, 2018, 3, 792-798.	4.0	60
147	Electrocatalytic oxidation of benzyl alcohol for simultaneously promoting H₂ evolution by a Co_{0.83}Ni_{0.17}/activated carbon electrocatalyst. New Journal of Chemistry, 2018, 42, 6381-6388.	1.4	27
148	One-step synthesis of cobalt-doped MoS₂ nanosheets as bifunctional electrocatalysts for overall water splitting under both acidic and alkaline conditions. Chemical Communications, 2018, 54, 3859-3862.	2.2	196
149	Micro/nanostructured porous ZnO as a new DGT binding phase for selective measurement of Cu(II) in water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 537, 109-115.	2.3	12
150	Bimetallic Carbide as a Stable Hydrogen Evolution Catalyst in Harsh Acidic Water. ACS Energy Letters, 2018, 3, 78-84.	8.8	42
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