Chuanxin He

List of Publications by Year
in descending order

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194	11,488	28274	34986
papers	citations	55 h-index	98 g-index

202	202	202	11592
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scalable Production of Efficient Single-Atom Copper Decorated Carbon Membranes for CO₂ Electroreduction to Methanol. Journal of the American Chemical Society, 2019, 141, 12717-12723.	13.7	545
2	MXene/Polymer Membranes: Synthesis, Properties, and Emerging Applications. Chemistry of Materials, 2020, 32, 1703-1747.	6.7	429
3	Highly stable single Pt atomic sites anchored on aniline-stacked graphene for hydrogen evolution reaction. Energy and Environmental Science, 2019, 12, 1000-1007.	30.8	392
4	Nanomaterials and technologies for low temperature solid oxide fuel cells: Recent advances, challenges and opportunities. Nano Energy, 2018, 45, 148-176.	16.0	363
5	Carbon dioxide electroreduction on single-atom nickel decorated carbon membranes with industry compatible current densities. Nature Communications, 2020, 11, 593.	12.8	330
6	A review on energy chemistry of fast-charging anodes. Chemical Society Reviews, 2020, 49, 3806-3833.	38.1	323
7	Controlling Dendrite Growth in Solid-State Electrolytes. ACS Energy Letters, 2020, 5, 833-843.	17.4	322
8	Fast Charging Lithium Batteries: Recent Progress and Future Prospects. Small, 2019, 15, e1805389.	10.0	277
9	Subnanometric Ru clusters with upshifted D band center improve performance for alkaline hydrogen evolution reaction. Nature Communications, 2022, 13, .	12.8	262
10	Crafting MoC2-doped bimetallic alloy nanoparticles encapsulated within N-doped graphene as roust bifunctional electrocatalysts for overall water splitting. Nano Energy, 2018, 50, 212-219.	16.0	205
11	Understanding the Design Principles of Advanced Aqueous Zincâ€Ion Battery Cathodes: From Transport Kinetics to Structural Engineering, and Future Perspectives. Advanced Energy Materials, 2020, 10, 2002354.	19.5	193
12	Nitrogen and Sulfur Dualâ€Doped Nonâ€Noble Catalyst Using Fluidic Acrylonitrile Telomer as Precursor for Efficient Oxygen Reduction. Advanced Materials, 2013, 25, 4794-4799.	21.0	179
13	Applications of Few-Layer Nb₂C MXene: Narrow-Band Photodetectors and Femtosecond Mode-Locked Fiber Lasers. ACS Nano, 2021, 15, 954-965.	14.6	176
14	Trifunctional Electrocatalysis on Dualâ€Doped Graphene Nanoringsâ€“Integrated Boxes for Efficient Water Splitting and Znâ€“Air Batteries. Advanced Energy Materials, 2019, 9, 1803867.	19.5	173
15	Superhydrophilic Phyticâ€Acidâ€Doped Conductive Hydrogels as Metalâ€Free and Binderâ€Free Electrocatalysts for Efficient Water Oxidation. Angewandte Chemie - International Edition, 2019, 58, 4318-4322.	13.8	168
16	Composition Tailoring via N and S Coâ€doping and Structure Tuning by Constructing Hierarchical Pores: Metalâ€Free Catalysts for Highâ€Performance Electrochemical Reduction of CO₂. Angewandte Chemie - International Edition, 2018, 57, 15476-15480.	13.8	162
17	Recent advances in spinel-type electrocatalysts for bifunctional oxygen reduction and oxygen evolution reactions. Journal of Energy Chemistry, 2021, 53, 290-302.	12.9	154
18	Piezoâ€Photocatalysis over Metalâ€“Organic Frameworks: Promoting Photocatalytic Activity by Piezoelectric Effect. Advanced Materials, 2021, 33, e2106308.	21.0	154

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19	Facile Synthesis of Subâ€Nanometric Copper Clusters by Double Confinement Enables Selective Reduction of Carbon Dioxide to Methane. Angewandte Chemie - International Edition, 2020, 59, 19054-19059.	13.8	152
20	Heteroâ€MXenes: Theory, Synthesis, and Emerging Applications. Advanced Materials, 2021, 33, e2004129.	21.0	150
21	Reaction intermediate-mediated electrocatalyst synthesis favors specified facet and defect exposure for efficient nitrateâ€“ammonia conversion. Energy and Environmental Science, 2021, 14, 4989-4997.	30.8	145
22	Boosting the alkaline hydrogen evolution of Ru nanoclusters anchored on B/Nâ€“doped graphene by accelerating water dissociation. Nano Energy, 2020, 68, 104301.	16.0	138
23	Liquid metal sponges for mechanically durable, all-soft, electrical conductors. Journal of Materials Chemistry C, 2017, 5, 1586-1590.	5.5	136
24	Atomically dispersed nonmagnetic electron traps improve oxygen reduction activity of perovskite oxides. Energy and Environmental Science, 2021, 14, 1016-1028.	30.8	130
25	A New Insight into Ultrastable Zn Metal Batteries Enabled by In Situ Built Multifunctional Metallic Interphase. Advanced Functional Materials, 2022, 32, 2109749.	14.9	113
26	Recent progress in the hybrids of transition metals/carbon for electrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 14380-14390.	10.3	111
27	Oxygen-doped crystalline carbon nitride with greatly extended visible-light-responsive range for photocatalytic H2 generation. Applied Catalysis B: Environmental, 2021, 283, 119636.	20.2	111
28	Highly efficient utilization of single atoms via constructing 3D and free-standing electrodes for CO2 reduction with ultrahigh current density. Nano Energy, 2020, 70, 104454.	16.0	106
29	Ultrathin MoS2 anchored on 3D carbon skeleton containing SnS quantum dots as a high-performance anode for advanced lithium ion batteries. Chemical Engineering Journal, 2021, 403, 126251.	12.7	105
30	Engineering defect-rich Fe-doped NiO coupled Ni cluster nanotube arrays with excellent oxygen evolution activity. Applied Catalysis B: Environmental, 2021, 285, 119809.	20.2	103
31	Electrochemical Construction of Low-Crystalline CoOOH Nanosheets with Short-Range Ordered Grains to Improve Oxygen Evolution Activity. ACS Catalysis, 2021, 11, 6104-6112.	11.2	103
32	Construction of K⁺ Ion Gradient in Crystalline Carbon Nitride to Accelerate Exciton Dissociation and Charge Separation for Visible Light H₂ Production. ACS Catalysis, 2021, 11, 6995-7005.	11.2	100
33	Multifunctional Polymeric Micelles with Amplified Fenton Reaction for Tumor Ablation. Biomacromolecules, 2018, 19, 1990-1998.	5.4	96
34	Earthâ€Abundant Metalâ€Based Electrocatalysts Promoted Anodic Reaction in Hybrid Water Electrolysis for Efficient Hydrogen Production: Recent Progress and Perspectives. Advanced Energy Materials, 2022, 12, .	19.5	87
35	Coatings with a self-generating hydrogel surface for antifouling. Polymer, 2011, 52, 3738-3744.	3.8	86
36	Improved interfacial electronic contacts powering high sulfur utilization in all-solid-state lithiumâ€“sulfur batteries. Energy Storage Materials, 2020, 25, 436-442.	18.0	85

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37	Ultrafast Relaxation Dynamics and Nonlinear Response of Fewâ€Layer Niobium Carbide MXene. Small Methods, 2020, 4, 2000250.	8.6	84
38	Selfâ€Catalyzed Growth of Coâ€“Nâ€“C Nanobrushes for Efficient Rechargeable Znâ€“Air Batteries. Small, 2020, 16, e2001171.	10.0	84
39	A metal-free decarboxylative cyclization from natural Î±-amino acids to construct pyridine derivatives. Green Chemistry, 2011, 13, 578.	9.0	83
40	A unique space confined strategy to construct defective metal oxides within porous nanofibers for electrocatalysis. Energy and Environmental Science, 2020, 13, 5097-5103.	30.8	80
41	Novel Concept of Separator Design: Efficient Ions Transport Modulator Enabled by Dualâ€Interface Engineering Toward Ultraâ€Stable Zn Metal Anodes. Advanced Functional Materials, 2022, 32, .	14.9	79
42	Intracellular glutathione-depleting polymeric micelles for cisplatin prodrug delivery to overcome cisplatin resistance of cancers. Journal of Controlled Release, 2018, 273, 30-39.	9.9	77
43	A Selfâ€Limited Freeâ€Standing Sulfide Electrolyte Thin Film for Allâ€Solidâ€State Lithium Metal Batteries. Advanced Functional Materials, 2021, 31, 2101985.	14.9	77
44	Constructing a tunable defect structure in TiO₂ for photocatalytic nitrogen fixation. Journal of Materials Chemistry A, 2020, 8, 334-341.	10.3	73
45	Recent Progress in 2D Catalysts for Photocatalytic and Electrocatalytic Artificial Nitrogen Reduction to Ammonia. Advanced Energy Materials, 2021, 11, 2003294.	19.5	73
46	3D Stretchable, Compressible, and Highly Conductive Metalâ€Coated Polydimethylsiloxane Sponges. Advanced Materials Technologies, 2016, 1, 1600117.	5.8	71
47	In-Plane Charge Transport Dominates the Overall Charge Separation and Photocatalytic Activity in Crystalline Carbon Nitride. ACS Catalysis, 2022, 12, 4648-4658.	11.2	69
48	Three-dimensional network structure of silicon-graphene-polyaniline composites as high performance anodes for Lithium-ion batteries. Electrochimica Acta, 2016, 190, 1032-1040.	5.2	68
49	Unconventionally fabricating defect-rich NiO nanoparticles within ultrathin metalâ€“organic framework nanosheets to enable high-output oxygen evolution. Journal of Materials Chemistry A, 2020, 8, 2140-2146.	10.3	66
50	Unconventional molybdenum carbide phases with high electrocatalytic activity for hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 18030-18038.	10.3	64
51	Composition Tailoring via N and S Coâ€doping and Structure Tuning by Constructing Hierarchical Pores: Metalâ€Free Catalysts for Highâ€Performance Electrochemical Reduction of CO₂. Angewandte Chemie, 2018, 130, 15702-15706.	2.0	63
52	Insitu coating of nitrogen-doped graphene-like nanosheets on silicon as a stable anode for high-performance lithium-ion batteries. Journal of Materials Chemistry A, 2014, 2, 11254-11260.	10.3	62
53	Removing the barrier to water dissociation on single-atom Pt sites decorated with a CoP mesoporous nanosheet array to achieve improved hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 11246-11254.	10.3	62
54	A robust strategy for preparation of sequential stimuli-responsive block copolymer prodrugs via thiolactone chemistry to overcome multiple anticancer drug delivery barriers. Biomaterials, 2018, 154, 261-274.	11.4	60

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55	Matrix Metalloproteinase-Responsive Multifunctional Peptide-Linked Amphiphilic Block Copolymers for Intelligent Systemic Anticancer Drug Delivery. Bioconjugate Chemistry, 2017, 28, 2190-2198.	3.6	59
56	Amorphous MoS3 decoration on 2D functionalized MXene as a bifunctional electrode for stable and robust lithium storage. Chemical Engineering Journal, 2021, 406, 126775.	12.7	59
57	Integrating well-controlled core-shell structures into â€œsuperaerophobicâ€•electrodes for water oxidation at large current densities. Applied Catalysis B: Environmental, 2021, 286, 119920.	20.2	59
58	Organic sponge photocatalysis. Green Chemistry, 2017, 19, 2925-2930.	9.0	57
59	Hydrophilic Sponges for Leafâ€Inspired Continuous Pumping of Liquids. Advanced Science, 2017, 4, 1700028.	11.2	54
60	Coupling pentlandite nanoparticles and dual-doped carbon networks to yield efficient and stable electrocatalysts for acid water oxidation. Journal of Materials Chemistry A, 2019, 7, 461-468.	10.3	54
61	Surface Roughness Modulates Diffusion and Fibrillation of Amyloid-Î² Peptide. Langmuir, 2016, 32, 8238-8244.	3.5	53
62	Role of carbonate phase in ceria-carbonate composite for low temperature solid oxide fuel cells: A review. International Journal of Energy Research, 2017, 41, 465-481.	4.5	53
63	Functionalized carbon nanofiber interlayer towards dendrite-free, Zn-ion batteries. Chemical Engineering Journal, 2021, 425, 131862.	12.7	53
64	A NIR phosphorescent osmium(<scp>ii</scp>) complex as a lysosome tracking reagent and photodynamic therapeutic agent. Chemical Communications, 2017, 53, 12341-12344.	4.1	52
65	Coupled molybdenum carbide and nitride on carbon nanosheets: An efficient and durable hydrogen evolution electrocatalyst in both acid and alkaline media. Electrochimica Acta, 2018, 280, 323-331.	5.2	52
66	Strongly coupled Sm 0.2 Ce 0.8 O 2 -Na 2 CO 3 nanocomposite for low temperature solid oxide fuel cells: One-step synthesis and super interfacial proton conduction. Journal of Power Sources, 2018, 386, 56-65.	7.8	50
67	Slurryâ€Coated Sulfur/Sulfide Cathode with Li Metal Anode for Allâ€Solidâ€State Lithiumâ€Sulfur Pouch Cells. Batteries and Supercaps, 2020, 3, 596-603.	4.7	50
68	Ultraâ€Small 2D PbS Nanoplatelets: Liquidâ€Phase Exfoliation and Emerging Applications for Photoâ€Electrochemical Photodetectors. Small, 2021, 17, e2005913.	10.0	50
69	Nitrogen and sulfur dual-doped high-surface-area hollow carbon nanospheres for efficient CO2 reduction. Chinese Journal of Catalysis, 2020, 41, 830-838.	14.0	49
70	Recent Progress in Selfâ€Supported Catalysts for CO₂ Electrochemical Reduction. Small Methods, 2020, 4, 1900826.	8.6	48
71	Improved electrochemical performance of spinel LiMn 2 O 4 in situ coated with graphene-like membrane. Journal of Power Sources, 2014, 247, 721-728.	7.8	47
72	Slower Removing Ligands of Metal Organic Frameworks Enables Higher Electrocatalytic Performance of Derived Nanomaterials. Small, 2020, 16, e2002210.	10.0	47

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73	Construction of cobalt oxyhydroxide nanosheets with rich oxygen vacancies as high-performance lithium-ion battery anodes. Journal of Materials Chemistry A, 2021, 9, 453-462.	10.3	47
74	Activity and Thermal Stability Improvements of Glucose Oxidase upon Adsorption on Coreâ˜'Shell PMMAâ˜'BSA Nanoparticles. Langmuir, 2009, 25, 13456-13460.	3.5	46
75	Oxidative coupling of methylamine with an aminyl radical: direct amidation catalyzed by I₂/TBHP with HCl. Chemical Communications, 2014, 50, 4085-4088.	4.1	46
76	General Synthesis of Ultrathin Metal Borate Nanomeshes Enabled by 3D Barkâ€Like Nâ€Doped Carbon for Electrocatalysis. Advanced Energy Materials, 2019, 9, 1901130.	19.5	46
77	Optical Properties of Few-Layer Ti₃CN MXene: From Experimental Observations to Theoretical Calculations. ACS Nano, 2022, 16, 3059-3069.	14.6	46
78	Boosting Electrochemical Hydrogen Evolution of Porous Metal Phosphides Nanosheets by Coating Defective TiO₂ Overlayers. Small, 2018, 14, e1802755.	10.0	45
79	Interfacial redox behaviors of sulfide electrolytes in fast-charging all-solid-state lithium metal batteries. Energy Storage Materials, 2020, 31, 267-273.	18.0	45
80	Bifunctional organic sponge photocatalyst for efficient cross-dehydrogenative coupling of tertiary amines to ketones. Chemical Communications, 2017, 53, 12536-12539.	4.1	44
81	Redox route to ultrathin metal sulfides nanosheet arrays-anchored MnO 2 nanoparticles as self-supported electrocatalysts for efficient water splitting. Journal of Power Sources, 2018, 398, 159-166.	7.8	43
82	Strategic Design of Intelligent-Responsive Nanogel Carriers for Cancer Therapy. ACS Applied Materials & Interfaces, 2021, 13, 54621-54647.	8.0	43
83	Smart Asymmetric Vesicles with Triggered Availability of Inner Cell-Penetrating Shells for Specific Intracellular Drug Delivery. ACS Applied Materials & Interfaces, 2017, 9, 17727-17735.	8.0	42
84	Broadband Nonlinear Photonics in Fewâ€Layer Borophene. Small, 2021, 17, e2006891.	10.0	42
85	Restricted diffusion preparation of fully-exposed Fe single-atom catalyst on carbon nanospheres for efficient oxygen reduction reaction. Applied Catalysis B: Environmental, 2022, 305, 121058.	20.2	42
86	Microfluidic Patterning of Metal Structures for Flexible Conductors by In Situ Polymerâ€Assisted Electroless Deposition. Advanced Science, 2017, 4, 1600313.	11.2	41
87	A Highly Sensitive Glucose Biosensor Based on Gold Nanoparticles/Bovine Serum Albumin/Fe3O4 Biocomposite Nanoparticles. Electrochimica Acta, 2016, 222, 1709-1715.	5.2	40
88	Facile fabrication of a 3D network composed of N-doped carbon-coated coreâ€“shell metal oxides/phosphides for highly efficient water splitting. Sustainable Energy and Fuels, 2018, 2, 1085-1092.	4.9	40
89	Facile synthesis of polyacrylonitrile-based N/S-codoped porous carbon as an efficient oxygen reduction electrocatalyst for zincâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 11223-11233.	10.3	39
90	Band Engineering Induced Conducting 2Hâ€Phase MoS₂ by Pdï£¿Sï£¿Re Sites Modification for Hydrogen Evolution Reaction. Advanced Energy Materials, 2022, 12, .	19.5	37

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91	Coâ€“Moâ€“P carbon nanospheres derived from metalâ€“organic frameworks as a high-performance electrocatalyst towards efficient water splitting. Journal of Materials Chemistry A, 2021, 9, 1143-1149.	10.3	36
92	A novel stable amperometric glucose biosensor based on the adsorption of glucose oxidase on poly(methyl methacrylate)â€“bovine serum albumin coreâ€“shell nanoparticles. Sensors and Actuators B: Chemical, 2012, 166-167, 802-808.	7.8	35
93	Synthesis of Chromones through LiOtBu/Airâ€Mediated Oxidation and Regioselective Cyclization of oâ€Hydroxyphenyl Propargyl Carbinols. European Journal of Organic Chemistry, 2013, 2013, 2080-2083.	2.4	35
94	Interconnected phosphorus-doped CoO-nanoparticles nanotube with three-dimensional accessible surface enables high-performance electrochemical oxidation. Nano Energy, 2019, 66, 104194.	16.0	35
95	Construction of tetrahedral CoO₄ vacancies for activating the high oxygen evolution activity of Co_{3â^'x}O_{4â^'Î´} porous nanosheet arrays. Nanoscale, 2020, 12, 11079-11087.	5.6	35
96	PbSe Nanocrystals Produced by Facile Liquid Phase Exfoliation for Efficient UVâ€“Vis Photodetectors. Advanced Functional Materials, 2021, 31, 2010401.	14.9	35
97	Enhancing oxygen reduction performance of oxide-CNT through in-situ generated nanoalloy bridging. Applied Catalysis B: Environmental, 2020, 263, 118297.	20.2	34
98	Two dimensional ZIF-derived ultra-thin Cuâ€“N/C nanosheets as high performance oxygen reduction electrocatalysts for high-performance Znâ€“air batteries. Nanoscale, 2020, 12, 14259-14266.	5.6	34
99	Nitrogen/sulfur dual-doped mesoporous carbon with controllable morphology as a catalyst support for the methanol oxidation reaction. Carbon, 2015, 87, 424-433.	10.3	33
100	Electronic structure engineering of single atomic Ru by Ru nanoparticles to enable enhanced activity for alkaline water reduction. Journal of Materials Chemistry A, 2019, 7, 19531-19538.	10.3	33
101	ZIF-derived â€œsenbeiâ€•like Co₉S₈/CeO₂/Co heterostructural nitrogen-doped carbon nanosheets as bifunctional oxygen electrocatalysts for Zn-air batteries. Nanoscale, 2021, 13, 3227-3236.	5.6	33
102	A Coreâ€“Shellâ€Structured Silver Nanowire/Nitrogenâ€Doped Carbon Catalyst for Enhanced and Multifunctional Electrofixation of CO₂. ChemSusChem, 2018, 11, 3905-3910.	6.8	32
103	Efficient reversible CO/CO2 conversion in solid oxide cells with a phase-transformed fuel electrode. Science China Materials, 2021, 64, 1114-1126.	6.3	31
104	Regulation of the adsorption sites of Ni₂P by Ru and S co-doping for ultra-efficient alkaline hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 15648-15653.	10.3	30
105	Superhydrophilic Phyticâ€Acidâ€Doped Conductive Hydrogels as Metalâ€Free and Binderâ€Free Electrocatalysts for Efficient Water Oxidation. Angewandte Chemie, 2019, 131, 4362-4366.	2.0	29
106	Low-temperature thermal stabilization of polyacrylontrile-based precursor fibers towards efficient preparation of carbon fibers with improved mechanical properties. Polymer, 2015, 76, 131-139.	3.8	28
107	Scalable synthesis of heterostructure molybdenum and nickel sulfides nanosheets for efficient hydrogen generation in alkaline electrolyte. Catalysis Today, 2018, 316, 171-176.	4.4	28
108	Ultralight and robust aerogels based on nanochitin towards water-resistant thermal insulators. Carbohydrate Polymers, 2020, 248, 116755.	10.2	28

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109	Lanthanide chelate-encapsulated polystyrene nanoparticles for rapid and quantitative immunochromatographic assay of procalcitonin. RSC Advances, 2016, 6, 103463-103470.	3.6	27
110	Titanium-substituted ferrite perovskite: An excellent sulfur and coking tolerant anode catalyst for SOFCs. Catalysis Today, 2019, 330, 217-221.	4.4	27
111	Oxygen Vacancy Engineering in Titanium Dioxide for Sodium Storage. Chemistry - an Asian Journal, 2021, 16, 3-19.	3.3	27
112	Highâ€Performance Overall CO₂ Splitting on Hierarchical Structured Cobalt Disulfide with Partially Removed Sulfur Edges. Advanced Functional Materials, 2020, 30, 2000154.	14.9	26
113	Construction of cobalt-copper bimetallic oxide heterogeneous nanotubes for high-efficient and low-overpotential electrochemical CO2 reduction. Journal of Energy Chemistry, 2021, 54, 1-6.	12.9	26
114	Novel hybrid anti-biofouling coatings with a self-peeling and self-generated micro-structured soft and dynamic surface. Journal of Materials Chemistry B, 2013, 1, 2048.	5.8	25
115	Platinum/nitrogen-doped carbon/carbon cloth: a bifunctional catalyst for the electrochemical reduction and carboxylation of CO₂ with excellent efficiency. Chemical Communications, 2018, 54, 4108-4111.	4.1	25
116	BisGMA analogues as monomers and diluents for dental restorative composite materials. Materials Science and Engineering C, 2018, 88, 25-31.	7.3	25
117	In situ encapsulated and well dispersed Co3O4 nanoparticles as efficient and stable electrocatalysts for high-performance CO2 reduction. Journal of Materials Chemistry A, 2020, 8, 15675-15680.	10.3	24
118	Construction of single-atom copper sites with low coordination number for efficient CO₂ electroreduction to CH₄. Journal of Materials Chemistry A, 2022, 10, 6187-6192.	10.3	24
119	Bimetallic two-dimensional materials for electrocatalytic oxygen evolution. Chinese Chemical Letters, 2022, 33, 3657-3671.	9.0	24
120	High efficiency oxygen evolution reaction enabled by 3D network composed of nitrogen-doped graphitic carbon-coated metal/metal oxide heterojunctions. Electrochimica Acta, 2018, 265, 620-628.	5.2	23
121	Carbon nanotubes coupled with layered graphite to support SnTe nanodots as high-rate and ultra-stable lithium-ion battery anodes. Nanoscale, 2021, 13, 3782-3789.	5.6	23
122	Effects of hydrolyzable comonomer and cross-linking on anti-biofouling terpolymer coatings. Polymer, 2013, 54, 2966-2972.	3.8	22
123	A Tremella-Like Nanostructure of Silicon@void@graphene-Like Nanosheets Composite as an Anode for Lithium-Ion Batteries. Nanoscale Research Letters, 2016, 11, 204.	5.7	22
124	â€œTurn off-onâ€•phosphorescent sensor for biothiols based on a Ru-Cu ensemble. Sensors and Actuators B: Chemical, 2018, 255, 283-289.	7.8	22
125	C/N-co-doped Pd coated Ag nanowires as a high-performance electrocatalyst for hydrogen evolution reaction. Electrochimica Acta, 2018, 283, 221-227.	5.2	22
126	Bifunctional oxygen electrocatalysis on ultra-thin Co₉S₈/MnS carbon nanosheets for all-solid-state zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 22635-22642.	10.3	22

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127	Breaking the Limitation of Elevated Coulomb Interaction in Crystalline Carbon Nitride for Visible and Nearâ€Infrared Light Photoactivity. Advanced Science, 2022, 9, .	11.2	22
128	Self-assembly of lyotropic liquid crystal phases in ternary systems of 1,2-dimethyl-3-hexadecylimidazolium bromide/1-decanol/water. Journal of Colloid and Interface Science, 2010, 342, 354-360.	9.4	21
129	Berlin Green Framework-Based Gas Sensor for Room-Temperature and High-Selectivity Detection of Ammonia. Nano-Micro Letters, 2021, 13, 63.	27.0	21
130	Broadband few-layer niobium carbide MXene as saturable absorber for solid-state lasers. Optics and Laser Technology, 2021, 142, 107199.	4.6	21
131	Scallion-Inspired Graphene Scaffold Enabled High Rate Lithium Metal Battery. Nano Letters, 2021, 21, 2347-2355.	9.1	20
132	Bioinspired Unidirectional Silk Fibroinâ€“Silver Compound Nanowire Composite Scaffold via Interfaceâ€Mediated In Situ Synthesis. Angewandte Chemie - International Edition, 2019, 58, 14152-14156.	13.8	19
133	Insight into high electrochemical activity of reduced La0Â·3Sr0Â·7Fe0Â·7Ti0Â·3O3 electrode for high temperature CO2 electrolysis. Electrochimica Acta, 2020, 332, 135464.	5.2	19
134	Boosting the electrochemical water oxidation reaction of hierarchical nanoarrays through NiFe-oxides/Ag heterointerfaces. Chemical Communications, 2018, 54, 10187-10190.	4.1	18
135	Insight into Lithium-rich Layered Cathode Materials Li[Li0.1Ni0.45Mn0.45]O2 in situ Coated with Graphene-like Carbon. Electrochimica Acta, 2014, 149, 42-48.	5.2	16
136	Tuning and understanding the electronic effect of Coâ€“Moâ€“O sites in bifunctional electrocatalysts for ultralong-lasting rechargeable zincâ€“air batteries. Journal of Materials Chemistry A, 2021, 9, 21716-21722.	10.3	16
137	Fluorine-induced dual defects in NiP2 anode with robust sodium storage performance. Nano Research, 2022, 15, 2147-2156.	10.4	16
138	Nonmetal Doping as a Robust Route for Boosting the Hydrogen Evolution of Metalâ€Based Electrocatalysts. Chemistry - A European Journal, 2020, 26, 3930-3942.	3.3	15
139	An in-tether sulfilimine chiral center induces Î²-turn conformation in short peptides. Organic and Biomolecular Chemistry, 2016, 14, 9993-9999.	2.8	14
140	Confining ultrafine Ru clusters into TiO2 lattice frameworks to yield efficient and ultrastable electrocatalysts towards practical hydrogen evolution. Chemical Engineering Journal, 2022, 446, 137248.	12.7	14
141	Cyanamide-defect-induced built-in electric field in crystalline carbon nitride for enhanced visible to near-infrared light photocatalytic activity. Inorganic Chemistry Frontiers, 2022, 9, 4320-4328.	6.0	14
142	Controlling the Structure and Antimicrobial Function of N-Halamine-Based Polyurethane Semi-interpenetrating Polymer Networks. Industrial & Engineering Chemistry Research, 2017, 56, 12032-12037.	3.7	13
143	Facile Preparation of a Fluorineâ€Free, Robust, Superhydrophobic Coating through Dip Coating Combined with Nonâ€Solvent Induced Phase Separation (Dipâ€Coatingâ€NIPS) Method. Macromolecular Chemistry and Physics, 2020, 221, 2000023.	2.2	13
144	Unveiling the reaction mechanism of an Sb₂S₃â€“Co₉S₈/NC anode for high-performance lithium-ion batteries. Nanoscale, 2021, 13, 20041-20051.	5.6	13

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145	An Expedition Through the Last Decade of Heterocycle Construction by Using Palladium, Iron, Copper, or Iodine/tert-Butyl Hydroperoxide. Synlett, 2013, 24, 1322-1339.	1.8	12
146	Understanding CO2 electrochemical reduction kinetics of mixed-conducting cathodes by the electrical conductivity relaxation method. International Journal of Hydrogen Energy, 2021, 46, 9646-9652.	7.1	12
147	Preparation of Well-Defined Coreâ^'Shell Particles by Cu²⁺-Mediated Graft Copolymerization of Methyl Methacrylate from Bovine Serum Albumin. Langmuir, 2008, 24, 10717-10722.	3.5	11
148	In situ coating of graphene-like sheets on Li4Ti5O12 particles for lithium-ion batteries. Electrochimica Acta, 2017, 230, 508-513.	5.2	11
149	Pr2NiO4-Ag composite as cathode for low temperature solid oxide fuel cells: Effects of silver loading methods and amounts. International Journal of Hydrogen Energy, 2017, 42, 17544-17551.	7.1	11
150	Selective electrochemical reduction of CO2 by a binder-free platinum/nitrogen-doped carbon nanofiber/copper foil catalyst with remarkable efficiency and reusability. Electrochemistry Communications, 2018, 93, 138-142.	4.7	11
151	Facile Synthesis of Subâ€Nanometric Copper Clusters by Double Confinement Enables Selective Reduction of Carbon Dioxide to Methane. Angewandte Chemie, 2020, 132, 19216-19221.	2.0	11
152	Tailoring the ultrafast and nonlinear photonics of MXenes through elemental replacement. Nanoscale, 2021, 13, 15891-15898.	5.6	11
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154	Measuring the Interactions between Protein-Coated Microspheres and Polymer Brushes in Aqueous Solutions. Langmuir, 2018, 34, 8798-8806.	3.5	9
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