

Xun Wang

List of Publications by Year in descending order

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244
papers

21,926
citations

7568

77
h-index

10445

139
g-index

254
all docs

254
docs citations

254
times ranked

22847
citing authors

#	ARTICLE	IF	CITATIONS
1	A general strategy for nanocrystal synthesis. <i>Nature</i> , 2005, 437, 121-124.	27.8	2,439
2	Nearly Monodisperse Cu ₂ O and CuO Nanospheres: Preparation and Applications for Sensitive Gas Sensors. <i>Chemistry of Materials</i> , 2006, 18, 867-871.	6.7	1,053
3	Selected-Control Hydrothermal Synthesis of $\bar{1}\pm$ - and $\bar{1}^2$ -MnO ₂ Single Crystal Nanowires. <i>Journal of the American Chemical Society</i> , 2002, 124, 2880-2881.	13.7	1,003
4	Approaches for measuring the surface areas of metal oxide electrocatalysts for determining their intrinsic electrocatalytic activity. <i>Chemical Society Reviews</i> , 2019, 48, 2518-2534.	38.1	483
5	Synthesis and Characterization of Lanthanide Hydroxide Single-Crystal Nanowires. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4790-4793.	13.8	439
6	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. <i>Nature Communications</i> , 2018, 9, 2452.	12.8	431
7	Noble metal alloy complex nanostructures: controllable synthesis and their electrochemical property. <i>Chemical Society Reviews</i> , 2015, 44, 3056-3078.	38.1	421
8	Three-Dimensional Assembly of Single-Layered MoS ₂ . <i>Advanced Materials</i> , 2014, 26, 964-969.	21.0	415
9	Rare-Earth-Compound Nanowires, Nanotubes, and Fullerene-Like Nanoparticles: Synthesis, Characterization, and Properties. <i>Chemistry - A European Journal</i> , 2003, 9, 5627-5635.	3.3	348
10	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3493-3498.	13.8	341
11	Hydrothermal Synthesis of Rare-Earth Fluoride Nanocrystals. <i>Inorganic Chemistry</i> , 2006, 45, 6661-6665.	4.0	307
12	Ultrathin Pt-Cu Nanosheets and Nanocones. <i>Journal of the American Chemical Society</i> , 2013, 135, 18304-18307.	13.7	305
13	Well-Defined Metal-Organic Framework Hollow Nanocages. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 429-433.	13.8	300
14	Amorphous nickel-cobalt complexes hybridized with 1T-phase molybdenum disulfide via hydrazine-induced phase transformation for water splitting. <i>Nature Communications</i> , 2017, 8, 15377.	12.8	284
15	A 1D/2D Helical CdS/ZnIn ₂ S ₄ Nano-Heterostructure. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2339-2343.	13.8	232
16	Rational synthesis of $\bar{1}\pm$ -MnO ₂ single-crystal nanorods. <i>Chemical Communications</i> , 2002, , 764-765.	4.1	224
17	Hierarchical Zn/Ni-MOF ₂ Nanosheet-Assembled Hollow Nanocubes for Multicomponent Catalytic Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12517-12521.	13.8	222
18	Ni-Decorated Molybdenum Carbide Hollow Structure Derived from Carbon-Coated Metal-Organic Framework for Electrocatalytic Hydrogen Evolution Reaction. <i>Chemistry of Materials</i> , 2016, 28, 6313-6320.	6.7	207

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19	Dendritic defect-rich palladium-copper-cobalt nanoalloys as robust multifunctional non-platinum electrocatalysts for fuel cells. <i>Nature Communications</i> , 2018, 9, 3702.	12.8	204
20	Large-scale synthesis of metastable TiO ₂ (B) nanosheets with atomic thickness and their photocatalytic properties. <i>Chemical Communications</i> , 2010, 46, 6801.	4.1	203
21	MoO ₃ -Based Hybrids with Tunable Localized Surface Plasmon Resonances: Chemical Oxidation Driving Transformation from Ultrathin Nanosheets to Nanotubes. <i>Chemistry - A European Journal</i> , 2012, 18, 15283-15287.	3.3	192
22	Monodisperse nanocrystals: general synthesis, assembly, and their applications. <i>Chemical Communications</i> , 2007, , 2901.	4.1	174
23	Multimetallic nanosheets: synthesis and applications in fuel cells. <i>Chemical Society Reviews</i> , 2018, 47, 6175-6200.	38.1	171
24	Ultrathin 2D Zirconium Metal-Organic Framework Nanosheets: Preparation and Application in Photocatalysis. <i>Small</i> , 2018, 14, e1703929.	10.0	171
25	Solution-Based Synthetic Strategies for 1-D Nanostructures. <i>Inorganic Chemistry</i> , 2006, 45, 7522-7534.	4.0	170
26	Well-Defined Metal-Organic Framework Hollow Nanostructures for Catalytic Reactions Involving Gases. <i>Advanced Materials</i> , 2015, 27, 5365-5371.	21.0	162
27	Interface-Mediated Growth of Monodispersed Nanostructures. <i>Accounts of Chemical Research</i> , 2007, 40, 635-643.	15.6	155
28	The synthesis strategies and photocatalytic performances of TiO ₂ /MOFs composites: A state-of-the-art review. <i>Chemical Engineering Journal</i> , 2020, 391, 123601.	12.7	155
29	Ultrathin nanostructures: smaller size with new phenomena. <i>Chemical Society Reviews</i> , 2013, 42, 5577.	38.1	149
30	Face the Edges: Catalytic Active Sites of Nanomaterials. <i>Advanced Science</i> , 2015, 2, 1500085.	11.2	145
31	Metallic Transition-Metal Dichalcogenide Nanocatalysts for Energy Conversion. <i>CheM</i> , 2018, 4, 1510-1537.	11.7	141
32	Construction of Amphiphilic Polyoxometalate Mesostructures as a Highly Efficient Desulfurization Catalyst. <i>Advanced Materials</i> , 2011, 23, 1130-1135.	21.0	139
33	Polyoxometalate Nanocone Nanoreactors: Magnetic Manipulation and Enhanced Catalytic Performance. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3187-3192.	13.8	136
34	Fullerene-Like Rare-Earth Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3497-3500.	13.8	134
35	Pd-Pt random alloy nanocubes with tunable compositions and their enhanced electrocatalytic activities. <i>Chemical Communications</i> , 2010, 46, 1491.	4.1	132
36	An Efficient Cobalt Phosphide Electrocatalyst Derived from Cobalt Phosphonate Complex for All-pH Hydrogen Evolution Reaction and Overall Water Splitting in Alkaline Solution. <i>Small</i> , 2020, 16, e1900550.	10.0	132

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37	Ni ₃ Si ₂ O ₅ (OH) ₄ multi-walled nanotubes with tunable magnetic properties and their application as anode materials for lithium batteries. Nano Research, 2011, 4, 882-890.	10.4	131
38	Secondary-Component Incorporated Hollow MOFs and Derivatives for Catalytic and Energy-Related Applications. Advanced Materials, 2019, 31, e1800743.	21.0	129
39	Competitive coordination strategy for the synthesis of hierarchical-pore metal-organic framework nanostructures. Chemical Science, 2016, 7, 7101-7105.	7.4	125
40	Visible-light-switched electron transfer over single porphyrin-metal atom center for highly selective electroreduction of carbon dioxide. Nature Communications, 2019, 10, 3844.	12.8	121
41	Atomic-Level Nanorings (A-NRs) Therapeutic Agent for Photoacoustic Imaging and Photothermal/Photodynamic Therapy of Cancer. Journal of the American Chemical Society, 2020, 142, 1735-1739.	13.7	121
42	Thermally Stable Silicate Nanotubes. Angewandte Chemie - International Edition, 2004, 43, 2017-2020.	13.8	113
43	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	21.0	112
44	Heterostructural CsPbX ₃ -PbS (X = Cl, Br, I) Quantum Dots with Tunable Vis-NIR Dual Emission. Journal of the American Chemical Society, 2020, 142, 4464-4471.	13.7	107
45	Atomically Thick Pt-Cu Nanosheets: Self-Assembled Sandwich and Nanoring-Like Structures. Advanced Materials, 2015, 27, 2013-2018.	21.0	106
46	A redox targeting-based material recycling strategy for spent lithium ion batteries. Energy and Environmental Science, 2019, 12, 2672-2677.	30.8	106
47	A bifunctional MoS ₂ -based solar evaporator for both efficient water evaporation and clean freshwater collection. Journal of Materials Chemistry A, 2019, 7, 11177-11185.	10.3	105
48	Controlled Synthesis of Hollow Co-Mo Mixed Oxide Nanostructures and Their Electrocatalytic and Lithium Storage Properties. Chemistry of Materials, 2016, 28, 2417-2423.	6.7	104
49	Multi-node CdS hetero-nanowires grown with defect-rich oxygen-doped MoS ₂ ultrathin nanosheets for efficient visible-light photocatalytic H ₂ evolution. Nano Research, 2017, 10, 1377-1392.	10.4	104
50	Incorporation of clusters within inorganic materials through their addition during nucleation steps. Nature Chemistry, 2019, 11, 839-845.	13.6	104
51	Zirconium-Porphyrin-Based Metal-Organic Framework Hollow Nanotubes for Immobilization of Noble-Metal Single Atoms. Angewandte Chemie, 2018, 130, 3551-3556.	2.0	102
52	Inorganic Nanostructures with Sizes down to 1 nm: A Macromolecule Analogue. Journal of the American Chemical Society, 2013, 135, 11115-11124.	13.7	101
53	Rapid synthesis of mesoporous Ni _x Co _{3x} (PO ₄) ₂ hollow shells showing enhanced electrocatalytic and supercapacitor performance. Journal of Materials Chemistry A, 2014, 2, 20182-20188.	10.3	101
54	Trimetallic Sulfide Mesoporous Nanospheres as Superior Electrocatalysts for Rechargeable Zn-Air Batteries. Advanced Energy Materials, 2018, 8, 1801839.	19.5	101

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55	Magnesium Silicate Hollow Nanostructures as Highly Efficient Absorbents for Toxic Metal Ions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10441-10445.	3.1	99
56	Nickel Diselenide Ultrathin Nanowires Decorated with Amorphous Nickel Oxide Nanoparticles for Enhanced Water Splitting Electrocatalysis. <i>Small</i> , 2017, 13, 1701487.	10.0	99
57	The Sub-Nanometer Scale as a New Focus in Nanoscience. <i>Advanced Materials</i> , 2018, 30, e1802031.	21.0	99
58	Polyoxometalate Clusters: Sub-nanometer Building Blocks for Construction of Advanced Materials. <i>Matter</i> , 2020, 2, 816-841.	10.0	99
59	Fine Tuning of the Structure of Pt-Cu Alloy Nanocrystals by Glycine-Mediated Sequential Reduction Kinetics. <i>Small</i> , 2013, 9, 3063-3069.	10.0	95
60	Modifying Commercial Carbon with Trace Amounts of ZIF to Prepare Derivatives with Superior ORR Activities. <i>Advanced Materials</i> , 2017, 29, 1701354.	21.0	94
61	Microporous 2D NiCoFe phosphate nanosheets supported on Ni foam for efficient overall water splitting in alkaline media. <i>Nanoscale</i> , 2018, 10, 12975-12980.	5.6	94
62	Nanoconfined Water-Molecule Channels for High-Yield Solar Vapor Generation under Weaker Sunlight. <i>Advanced Materials</i> , 2020, 32, e2001544.	21.0	94
63	Surfactant-encapsulated polyoxometalate building blocks: controlled assembly and their catalytic properties. <i>Dalton Transactions</i> , 2012, 41, 9832.	3.3	93
64	Fine tuning of the dimensionality of zinc silicate nanostructures and their application as highly efficient absorbents for toxic metal ions. <i>Nano Research</i> , 2010, 3, 581-593.	10.4	91
65	Ultras-small Pd-Cu-Pt Trimetallic Twin Icosahedrons Boost the Electrocatalytic Performance of Glycerol Oxidation at the Operating Temperature of Fuel Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1908235.	14.9	89
66	Seed Displacement, Epitaxial Synthesis of Rh/Pt Bimetallic Ultrathin Nanowires for Highly Selective Oxidizing Ethanol to CO ₂ . <i>Chemistry of Materials</i> , 2010, 22, 2395-2402.	6.7	87
67	Cluster-Based Self-Assembly: Reversible Formation of Polyoxometalate Nanocones and Nanotubes. <i>Chemistry of Materials</i> , 2009, 21, 3745-3751.	6.7	86
68	Monodispersed sub-5.0 nm PtCu nanoalloys as enhanced bifunctional electrocatalysts for oxygen reduction reaction and ethanol oxidation reaction. <i>Nanoscale</i> , 2017, 9, 2963-2968.	5.6	85
69	Surfactant encapsulated palladium-polyoxometalates: controlled assembly and their application as single-atom catalysts. <i>Chemical Science</i> , 2016, 7, 1011-1015.	7.4	84
70	Porous Tetrametallic PtCuBiMn Nanosheets with a High Catalytic Activity and Methanol Tolerance Limit for Oxygen Reduction Reactions. <i>Advanced Materials</i> , 2017, 29, 1604994.	21.0	84
71	Molecule Channels Directed by Cation-Decorated Graphene Oxide Nanosheets and Their Application as Membrane Reactors. <i>Advanced Materials</i> , 2017, 29, 1606093.	21.0	83
72	Composition-driven shape evolution to Cu-rich PtCu octahedral alloy nanocrystals as superior bifunctional catalysts for methanol oxidation and oxygen reduction reaction. <i>Nanoscale</i> , 2018, 10, 4670-4674.	5.6	82

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73	Highly Active and Durable Pt ₇₂ Ru ₂₈ Porous Nanoalloy Assembled with Sub-4.0 nm Particles for Methanol Oxidation. <i>Advanced Energy Materials</i> , 2017, 7, 1601593.	19.5	81
74	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. <i>Nature Communications</i> , 2017, 8, 1559.	12.8	81
75	Fine tuning of the sizes and phases of ZrO ₂ nanocrystals. <i>Nano Research</i> , 2009, 2, 891.	10.4	79
76	Green and Size-Specific Synthesis of Stable Fe-Cu Oxides as Earth-Abundant Adsorbents for Malachite Green Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9229-9236.	6.7	79
77	Cobalt carbonate hydroxide superstructures for oxygen evolution reactions. <i>Chemical Communications</i> , 2017, 53, 8010-8013.	4.1	74
78	Fast and scalable synthesis of uniform zirconium-, hafnium-based metal-organic framework nanocrystals. <i>Nanoscale</i> , 2017, 9, 19209-19215.	5.6	74
79	Three-dimensional hierarchical Pt-Cu superstructures. <i>Nano Research</i> , 2015, 8, 832-838.	10.4	73
80	Self-assembly of polyoxometalate clusters into two-dimensional clusterphene structures featuring hexagonal pores. <i>Nature Chemistry</i> , 2022, 14, 433-440.	13.6	72
81	Water Delivery Channel Design in Solar Evaporator for Efficient and Durable Water Evaporation with Salt Rejection. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7753-7761.	6.7	69
82	Highly Flexible Sub-1 nm Tungsten Oxide Nanobelts as Efficient Desulfurization Catalysts. <i>Small</i> , 2015, 11, 1144-1149.	10.0	68
83	Nanoparticle Decorated Ultrathin Porous Nanosheets as Hierarchical Co ₃ O ₄ Nanostructures for Lithium Ion Battery Anode Materials. <i>Scientific Reports</i> , 2016, 6, 20592.	3.3	68
84	Assembling Polyoxometalate Clusters into Advanced Nanoarchitectures. <i>Chemistry of Materials</i> , 2010, 22, 3511-3518.	6.7	67
85	Hierarchical CoS/MoS ₂ and Co ₃ S ₄ /MoS ₂ /Ni ₂ P nanotubes for efficient electrocatalytic hydrogen evolution in alkaline media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25410-25419.	10.3	66
86	Heterogeneous Catalysts with Well-Defined Active Metal Sites toward CO ₂ Electrocatalytic Reduction. <i>Advanced Energy Materials</i> , 2020, 10, 2001142.	19.5	66
87	Tuning the growth of metal-organic framework nanocrystals by using polyoxometalates as coordination modulators. <i>Science China Materials</i> , 2015, 58, 370-377.	6.3	65
88	Locking volatile organic molecules by subnanometer inorganic nanowire-based organogels. <i>Science</i> , 2022, 377, 100-104.	12.6	65
89	Metal-Organic Framework Based Microcapsules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10148-10152.	13.8	64
90	Unique 1D Cd _{1-x} Zn _x S@O ₂ /MoS ₂ /NiO _x Nanohybrids: Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Evolution via Integrated Structural Regulation. <i>Small</i> , 2019, 15, e1804115.	10.0	64

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91	Polarized Optoelectronics of CsPbX ₃ (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. <i>Advanced Functional Materials</i> , 2018, 28, 1800283.	14.9	63
92	Redox Targeting-Based Vanadium Redox-Flow Battery. <i>ACS Energy Letters</i> , 2019, 4, 3028-3035.	17.4	63
93	Simple, Low-Dose, Durable, and Carbon-Nanotube-Based Floating Solar Still for Efficient Desalination and Purification. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3925-3932.	6.7	63
94	Edge-Exposed Molybdenum Disulfide with N-Doped Carbon Hybridization: A Hierarchical Hollow Electrocatalyst for Carbon Dioxide Reduction. <i>Advanced Energy Materials</i> , 2019, 9, 1900072.	19.5	62
95	Oxygen-Defected Molybdenum Oxides Hierarchical Nanostructure Constructed by Atomic-Level Thickness Nanosheets as an Efficient Absorber for Solar Steam Generation. <i>Solar Rrl</i> , 2019, 3, 1800277.	5.8	62
96	POM-Incorporated CoO Nanowires for Enhanced Photocatalytic Syngas Production from CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15527-15531.	13.8	62
97	General synthesis of inorganic single-walled nanotubes. <i>Nature Communications</i> , 2015, 6, 8756.	12.8	61
98	Chemistry and properties at a sub-nanometer scale. <i>Chemical Science</i> , 2016, 7, 3978-3991.	7.4	61
99	Single molecule-mediated assembly of polyoxometalate single-cluster rings and their three-dimensional superstructures. <i>Science Advances</i> , 2019, 5, eaax1081.	10.3	61
100	Ultrathin PdAuBiTe Nanosheets as High-Performance Oxygen Reduction Catalysts for a Direct Methanol Fuel Cell Device. <i>Advanced Materials</i> , 2021, 33, e2103383.	21.0	61
101	Polyoxometalate Cluster-Incorporated Metal-Organic Framework Hierarchical Nanotubes. <i>Small</i> , 2016, 12, 2982-2990.	10.0	60
102	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. <i>Small</i> , 2018, 14, e1703749.	10.0	60
103	The formation of (NiFe)S ₂ pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , 2018, 9, 2762-2767.	7.4	60
104	A facile and general strategy for the synthesis of porous flowerlike Pt-based nanocrystals as effective electrocatalysts for alcohol oxidation. <i>Nanoscale</i> , 2016, 8, 14705-14710.	5.6	58
105	Cluster-Nuclei Coassembled into Two-Dimensional Hybrid CuO-PMA Sub-1 nm Nanosheets. <i>Journal of the American Chemical Society</i> , 2019, 141, 18754-18758.	13.7	58
106	Size- and Surface-Determined Transformations: From Ultrathin InOOH Nanowires to Uniform c-In ₂ O ₃ Nanocubes and rh-In ₂ O ₃ Nanowires. <i>Inorganic Chemistry</i> , 2009, 48, 3890-3895.	4.0	57
107	Self-Adjustable Crystalline Inorganic Nanocoils. <i>Journal of the American Chemical Society</i> , 2013, 135, 6834-6837.	13.7	56
108	ZnO-POM Cluster Sub-1 nm Nanosheets as Robust Catalysts for the Oxidation of Thioethers at Room Temperature. <i>Journal of the American Chemical Society</i> , 2021, 143, 16217-16225.	13.7	56

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109	Fabrication of NiFe layered double hydroxide with well-defined laminar superstructure as highly efficient oxygen evolution electrocatalysts. <i>Nano Research</i> , 2019, 12, 1327-1331.	10.4	53
110	Ultra-small Tetrametallic Pt-Pd-Rh-Ag Nanoframes with Tunable Behavior for Direct Formic Acid/Methanol Oxidation. <i>Small</i> , 2016, 12, 5261-5268.	10.0	52
111	Shape controlled synthesis of porous tetrametallic PtAgBiCo nanoplates as highly active and methanol-tolerant electrocatalyst for oxygen reduction reaction. <i>Chemical Science</i> , 2017, 8, 4292-4298.	7.4	52
112	Perovskite Nano-Heterojunctions: Synthesis, Structures, Properties, Challenges, and Prospects. <i>Small Structures</i> , 2020, 1, 2000009.	12.0	52
113	Super-Hybrid Transition Metal Sulfide Nanoarrays of Co ₃ S ₄ Nanosheet/P-Doped WS ₂ Nanosheet/Co ₉ S ₈ Nanoparticle with Pt-Like Activities for Robust All-pH Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	52
114	Surface-specific interaction by structure-match confined pure high-energy facet of unstable TiO ₂ (B) polymorph. <i>Scientific Reports</i> , 2013, 3, 1411.	3.3	51
115	Enhancing CO ₂ Electrolysis on 2D Porphyrin-Based Metal-Organic Framework Nanosheets Coupled with Visible-Light. <i>Small Methods</i> , 2021, 5, e2000991.	8.6	50
116	Edge overgrowth of spiral bimetallic hydroxides ultrathin-nanosheets for water oxidation. <i>Chemical Science</i> , 2015, 6, 3572-3576.	7.4	49
117	Surface Confinement Etching and Polarization Matter: A New Approach To Prepare Ultrathin PtAgCo Nanosheets for Hydrogen-Evolution Reactions. <i>Chemistry of Materials</i> , 2017, 29, 6329-6335.	6.7	49
118	Polyoxometalate Interlayered Zinc-Metallophthalocyanine Molecular Layer Sandwich as Photocoupled Electrocatalytic CO ₂ Reduction Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 13721-13730.	13.7	49
119	Au/Ni ₁₂ P ₅ core/shell single-crystal nanoparticles as oxygen evolution reaction catalyst. <i>Nano Research</i> , 2017, 10, 3103-3112.	10.4	48
120	Sub-1 nm Nanowire Based Superlattice Showing High Strength and Low Modulus. <i>Journal of the American Chemical Society</i> , 2017, 139, 8579-8585.	13.7	47
121	Chirality Evolution from Sub-1 Nanometer Nanowires to the Macroscopic Helical Structure. <i>Journal of the American Chemical Society</i> , 2020, 142, 1375-1381.	13.7	47
122	Hybrid MoO ₃ -Polyoxometallate Sub-1 nm Nanobelt Superstructures. <i>Journal of the American Chemical Society</i> , 2020, 142, 17557-17563.	13.7	46
123	3D self-assembly of ultrafine molybdenum carbide confined in N-doped carbon nanosheets for efficient hydrogen production. <i>Nanoscale</i> , 2017, 9, 15895-15900.	5.6	45
124	Tailoring Layer Number of 2D Porphyrin-Based MOFs Towards Photocoupled Electroreduction of CO ₂ . <i>Advanced Materials</i> , 2022, 34, e2107293.	21.0	45
125	Freestanding Millimeter-Scale Porphyrin-Based Monoatomic Layers with 0.28-nm Thickness for CO ₂ Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18954-18959.	13.8	44
126	Multi-Functionalized Inorganic-Organic Rare Earth Hybrid Microcapsules. <i>Advanced Materials</i> , 2008, 20, 3739-3744.	21.0	43

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127	Epitaxy of Radial High-Energy-Faceted Ultrathin TiO ₂ Nanosheets onto Nanowires for Enhanced Photoreactivities. <i>Advanced Functional Materials</i> , 2016, 26, 1580-1589.	14.9	43
128	Sphagnum Inspired g-C ₃ N ₄ Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlight-Driven Water Purification. <i>Small</i> , 2021, 17, e2007122.	10.0	43
129	Electrostatic Interaction-Directed Growth of Nickel Phosphate Single-Walled Nanotubes for High Performance Oxygen Evolution Reaction Catalysts. <i>Small</i> , 2016, 12, 2969-2974.	10.0	42
130	Trimetallic PtCoFe Alloy Monolayer Superlattices as Bifunctional Oxygen-Reduction and Ethanol-Oxidation Electrocatalysts. <i>Small</i> , 2017, 13, 1700250.	10.0	42
131	Sub-Nanometer Nanobelts Based on Titanium Dioxide/Zirconium Dioxide-Polyoxometalate Heterostructures. <i>Advanced Materials</i> , 2021, 33, e2100576.	21.0	42
132	Polyoxometalate-based Supramolecular Gel. <i>Scientific Reports</i> , 2013, 3, 1833.	3.3	40
133	Fullerene-Like Nickel Oxysulfide Hollow Nanospheres as Bifunctional Electrocatalysts for Water Splitting. <i>Small</i> , 2017, 13, 1602637.	10.0	39
134	An All-Inorganic Colloidal Nanocrystal Flexible Polarizer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8730-8735.	13.8	39
135	Helical Microporous Nanorods Assembled by Polyoxometalate Clusters for the Photocatalytic Oxidation of Toluene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17404-17409.	13.8	39
136	Template-Free Synthesis and Characterization of Single-Phase Voided Poly(<i>o</i> -anisidine) and Polyaniline Colloidal Spheres. <i>Chemistry of Materials</i> , 2007, 19, 5773-5778.	6.7	38
137	Noble Metal Nanocrystal-Incorporated Fullerene-Like Polyoxometalate Based Microspheres. <i>Advanced Functional Materials</i> , 2009, 19, 860-865.	14.9	38
138	Iron Hydroxide-Modified Nickel Hydroxylphosphate Single-Wall Nanotubes as Efficient Electrocatalysts for Oxygen Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9407-9414.	8.0	38
139	Hydroxyapatite nanocrystals: colloidal chemistry, assembly and their biological applications. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 215-225.	6.0	37
140	Van der Waals Integrated Hybrid POM-Zirconia Flexible Belt-Like Superstructures. <i>Advanced Materials</i> , 2020, 32, e1906794.	21.0	37
141	A Monolayer Polyoxometalate Superlattice. <i>Advanced Materials</i> , 2014, 26, 4339-4344.	21.0	36
142	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22732-22738.	8.0	36
143	Solution-based routes to transition-metal oxide one-dimensional nanostructures. <i>Pure and Applied Chemistry</i> , 2006, 78, 45-64.	1.9	35
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