Xun Wang

List of Publications by Year in descending order

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		7568	10445
244	21,926	77	139
papers	citations	h-index	g-index

254	254	254	22847
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Progress of Subâ€Nanometric Materials in Photothermal Energy Conversion. Advanced Science, 2022, 9, e2104225.	11.2	23
2	Tailoring Layer Number of 2D Porphyrinâ€Based MOFs Towards Photocoupled Electroreduction of CO₂. Advanced Materials, 2022, 34, e2107293.	21.0	45
3	Polyoxometalate-based materials: quasi-homogeneous single-atom catalysts with atomic-precision structures. Journal of Materials Chemistry A, 2022, 10, 5758-5770.	10.3	17
4	Superâ€Hybrid Transition Metal Sulfide Nanoarrays of Co₃S₄ Nanosheet/Pâ€Doped WS₂ Nanosheet/Co₉S₈ Nanoparticle with Ptâ€Like Activities for Robust Allâ€pH Hydrogen Evolution. Advanced Functional Materials, 2022, 32, .	14.9	52
5	Self-assembly of polyoxometalate clusters into two-dimensional clusterphene structures featuring hexagonal pores. Nature Chemistry, 2022, 14, 433-440.	13.6	72
6	2D Ï€â€conjugated metalâ€“organic frameworks for CO₂ electroreduction. SmartMat, 2022, 3, 54-67.	10.7	31
7	Tempering force with mercy: An innovative peri-implant ligament with combined osteointegration and energy-dissipation. Nano Research, 2022, 15, 4466-4467.	10.4	2
8	Architecting Hybrid Donorâ€“Acceptor Dendritic Nanosheets Based on Polyoxometalate and Porphyrin for Highâ€Yield Solar Water Purification. Advanced Functional Materials, 2022, 32, .	14.9	24
9	Functionally Guided Precise Synthesis of Manganous Oxideâ€Polyoxometalate 2D Hybrid Subâ€1â€‰nm Nanosheet Superstructures. Small Structures, 2022, 3, .	12.0	7
10	Sub-nanometric materials: Electron transfer, delocalization, and beyond. Chem Catalysis, 2022, 2, 1257-1266.	6.1	18
11	Promoting oxygen reduction via coordination environment modulation through secondary metal-atom incorporation. Journal of Materials Chemistry A, 2022, 10, 19626-19634.	10.3	9
12	Circularly and Linearly Polarized Luminescence from AIE Luminogens Induced by Superâ€Aligned Assemblies of Subâ€1â€…nm Nanowires. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
13	Dimensionalâ€Transformation of Ternaryâ€Alloy through the Manipulation of Reduction Kinetics. Advanced Functional Materials, 2022, 32, .	14.9	2
14	Locking volatile organic molecules by subnanometer inorganic nanowire-based organogels. Science, 2022, 377, 100-104.	12.6	65
15	Enhancing CO₂ Electrocatalysis on 2D Porphyrinâ€Based Metalâ€“Organic Framework Nanosheets Coupled with Visibleâ€Light. Small Methods, 2021, 5, e2000991.	8.6	50
16	Surface organic ligand-passivated quantum dots: toward high-performance light-emitting diodes with long lifetimes. Journal of Materials Chemistry C, 2021, 9, 2483-2490.	5.5	18
17	Sphagnum Inspired gâ€C₃N₄ Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlightâ€Driven Water Purification. Small, 2021, 17, e2007122.	10.0	43
18	Polyoxometalates Facilitating Synthesis of Subnanometer Nanowires. Advanced Functional Materials, 2021, 31, 2100703.	14.9	33

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19	Reversible Transformation between CsPbBr₃ Perovskite Nanowires and Nanorods with Polarized Optoelectronic Properties. Advanced Functional Materials, 2021, 31, 2011251.	14.9	29
20	Water Purification: Sphagnum Inspired gâ€C₃N₄ Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlightâ€Driven Water Purification (Small 12/2021). Small, 2021, 17, 2170054.	10.0	1
21	Singleâ€Unitâ€Cell Catalysis of CO₂ Electroreduction over Subâ€1 nm Cu₉S₅ Nanowires. Advanced Energy Materials, 2021, 11, 2100272.	19.5	29
22	Subâ€Nanometer Nanobelts Based on Titanium Dioxide/Zirconium Dioxideâ€“Polyoxometalate Heterostructures. Advanced Materials, 2021, 33, e2100576.	21.0	42
23	Clusterâ€assembled materials: Ordered structures with advanced properties. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 854-868.	17.3	17
24	Boosting CO₂ Electroreduction via the Synergistic Effect of Tuning Cationic Clusters and Visibleâ€Light Irradiation. Advanced Materials, 2021, 33, e2101886.	21.0	21
25	Temperatureâ€Responsive Selfâ€Assembly of Single Polyoxometalates Clusters Driven by Hydrogen Bonds. Advanced Functional Materials, 2021, 31, 2103561.	14.9	12
26	Super-aligned films of sub-1 nm Bi2O3-polyoxometalate nanowires as interlayers in lithium-sulfur batteries. Science China Materials, 2021, 64, 2949-2957.	6.3	27
27	Single-Crystal Inorganic Helical Architectures Induced by Asymmetrical Defects in Sub-Nanometric Wires. Journal of the American Chemical Society, 2021, 143, 9858-9865.	13.7	26
28	CsPbX₃â€ITO (X = Cl, Br, I) Nanoâ€Heterojunctions: Voltage Tuned Positive to Negative Photoresponse. Small, 2021, 17, e2101403.	10.0	15
29	A General Strategy to Synthesize Ultrathin Palladium/Transition Metal Alloy Nanowires: Anti-Poisoned Electrocatalytic Performance for the Oxygen Reduction Reaction in Acidic and Alkaline Media. Journal of Physical Chemistry C, 2021, 125, 14646-14655.	3.1	14
30	Redoxâ€Mediated Ambient Electrolytic Nitrogen Reduction for Hydrazine and Ammonia Generation. Angewandte Chemie, 2021, 133, 18869-18875.	2.0	3
31	Helical Microporous Nanorods Assembled by Polyoxometalate Clusters for the Photocatalytic Oxidation of Toluene. Angewandte Chemie - International Edition, 2021, 60, 17404-17409.	13.8	39
32	Redoxâ€Mediated Ambient Electrolytic Nitrogen Reduction for Hydrazine and Ammonia Generation. Angewandte Chemie - International Edition, 2021, 60, 18721-18727.	13.8	35
33	Helical Microporous Nanorods Assembled by Polyoxometalate Clusters for the Photocatalytic Oxidation of Toluene. Angewandte Chemie, 2021, 133, 17544-17549.	2.0	2
34	Polyoxometalate Interlayered Zincâ€“Metallophthalocyanine Molecular Layer Sandwich as Photocoupled Electrocatalytic CO₂ Reduction Catalyst. Journal of the American Chemical Society, 2021, 143, 13721-13730.	13.7	49
35	Ni(OH)₂-Polyoxometalate Cluster Hybrid Superstructures. Chemistry of Materials, 2021, 33, 7100-7105.	6.7	9
36	Ultrathin PdAuBiTe Nanosheets as Highâ€Performance Oxygen Reduction Catalysts for a Direct Methanol Fuel Cell Device. Advanced Materials, 2021, 33, e2103383.	21.0	61

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37	ZnOâ€“POM Cluster Sub-1 nm Nanosheets as Robust Catalysts for the Oxidation of Thioethers at Room Temperature. Journal of the American Chemical Society, 2021, 143, 16217-16225.	13.7	56
38	Ternary hybrid CuO-PMA-Ag sub-1 nm nanosheet heterostructures. Chemical Science, 2021, 12, 11490-11494.	7.4	7
39	Auâ€Polyoxometalates Aâ€Bâ€Aâ€B Type Copolymerâ€Analogue Subâ€1 nm Nanowires. Small, 2021, 17, e2006260.	10.0	22
40	Clusterâ€“Nuclei Coassembled One-Dimensional Subnanometer Heteronanostructures. Nano Letters, 2021, 21, 9845-9852.	9.1	11
41	Chiral Conformation of Subnanometric Materials. ACS Nano, 2021, 15, 17247-17256.	14.6	7
42	An Efficient Cobalt Phosphide Electrocatalyst Derived from Cobalt Phosphonate Complex for Allâ€pH Hydrogen Evolution Reaction and Overall Water Splitting in Alkaline Solution. Small, 2020, 16, e1900550.	10.0	132
43	Freeâ€Standing CoOâ€POM Janusâ€like Ultrathin Nanosheets. Angewandte Chemie - International Edition, 2020, 59, 8497-8501.	13.8	32
44	Freeâ€Standing CoOâ€POM Janusâ€like Ultrathin Nanosheets. Angewandte Chemie, 2020, 132, 8575-8579.	2.0	13
45	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
46	Chirality Evolution from Sub-1 Nanometer Nanowires to the Macroscopic Helical Structure. Journal of the American Chemical Society, 2020, 142, 1375-1381.	13.7	47
47	Recent progress in pyrolyzed carbon materials as electrocatalysts for the oxygen reduction reaction. Inorganic Chemistry Frontiers, 2020, 7, 28-36.	6.0	34
48	Van der Waals Integrated Hybrid POMâ€Zirconia Flexible Beltâ€Like Superstructures. Advanced Materials, 2020, 32, e1906794.	21.0	37
49	The synthesis strategies and photocatalytic performances of TiO2/MOFs composites: A state-of-the-art review. Chemical Engineering Journal, 2020, 391, 123601.	12.7	155
50	Freestanding Millimeterâ€Scale Porphyrinâ€Based Monoatomic Layers with 0.28â€…nm Thickness for CO₂ Electrocatalysis. Angewandte Chemie - International Edition, 2020, 59, 18954-18959.	13.8	44
51	Freestanding Millimeterâ€Scale Porphyrinâ€Based Monoatomic Layers with 0.28â€…nm Thickness for CO 2 Electrocatalysis. Angewandte Chemie, 2020, 132, 19116-19121.	2.0	4
52	Noble metal nanoclusters-decorated NiFe layered double hydroxide superstructure as nanoreactors for selective hydrogenation catalysis. Nanoscale, 2020, 12, 17780-17785.	5.6	3
53	Perovskite Nanoâ€Heterojunctions: Synthesis, Structures, Properties, Challenges, and Prospects. Small Structures, 2020, 1, 2000009.	12.0	52
54	Hybrid MoO₃â€“Polyoxometallate Sub-1 nm Nanobelt Superstructures. Journal of the American Chemical Society, 2020, 142, 17557-17563.	13.7	46

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55	Nanoconfined Waterâ€Molecule Channels for Highâ€Yield Solar Vapor Generation under Weaker Sunlight. Advanced Materials, 2020, 32, e2001544.	21.0	94
56	Sub-One-Nanometer Nanomaterials Showing Polymer-Analogue Properties. , 2020, 2, 639-643.		22
57	Water Delivery Channel Design in Solar Evaporator for Efficient and Durable Water Evaporation with Salt Rejection. ACS Sustainable Chemistry and Engineering, 2020, 8, 7753-7761.	6.7	69
58	POMâ€Incorporated CoO Nanowires for Enhanced Photocatalytic Syngas Production from CO₂. Angewandte Chemie - International Edition, 2020, 59, 15527-15531.	13.8	62
59	Heterogeneous Catalysts with Wellâ€Defined Active Metal Sites toward CO₂ Electrocatalytic Reduction. Advanced Energy Materials, 2020, 10, 2001142.	19.5	66
60	POMâ€Incorporated CoO Nanowires for Enhanced Photocatalytic Syngas Production from CO 2. Angewandte Chemie, 2020, 132, 15657-15661.	2.0	7
61	Polyoxometalateâ€“Zirconia Coassembled Microdumbbells for Efficient Capture of Iodine. , 2020, 2, 461-465.		15
62	Electrocatalysis: A Core Technique for a Sustainable Future. Chemistry - A European Journal, 2020, 26, 3897-3897.	3.3	11
63	Heterostructural CsPbX₃-PbS (X = Cl, Br, I) Quantum Dots with Tunable Visâ€“NIR Dual Emission. Journal of the American Chemical Society, 2020, 142, 4464-4471.	13.7	107
64	Ultrasmall Pdâ€Cuâ€Pt Trimetallic Twin Icosahedrons Boost the Electrocatalytic Performance of Glycerol Oxidation at the Operating Temperature of Fuel Cells. Advanced Functional Materials, 2020, 30, 1908235.	14.9	89
65	Puffing quaternary FexCoyNi1-x-yP nanoarray via kinetically controlled alkaline etching for robust overall water splitting. Science China Materials, 2020, 63, 1054-1064.	6.3	35
66	Bridging the Macroworld to Micro/Nanomaterials: Multidisciplinary Science at Tsinghua University. Small, 2020, 16, e2000856.	10.0	0
67	Polyoxometalate Clusters: Sub-nanometer Building Blocks for Construction of Advanced Materials. Matter, 2020, 2, 816-841.	10.0	99
68	The Synthesis of Sub-Nano-Thick Pd Nanobeltâ€“Based Materials for Enhanced Hydrogen Evolution Reaction Activity. CCS Chemistry, 2020, 2, 642-654.	7.8	14
69	The Synthesis of Sub-Nano-Thick Pd Nanobeltâ€“Based Materials for Enhanced Hydrogen Evolution Reaction Activity. CCS Chemistry, 2020, 2, 642-654.	7.8	7
70	Secondaryâ€Component Incorporated Hollow MOFs and Derivatives for Catalytic and Energyâ€Related Applications. Advanced Materials, 2019, 31, e1800743.	21.0	129
71	Incorporation of clusters within inorganic materials through their addition during nucleation steps. Nature Chemistry, 2019, 11, 839-845.	13.6	104
72	Trimetallic palladiumâ€“copperâ€“cobalt alloy wavy nanowires improve ethanol electrooxidation in alkaline medium. Nanoscale, 2019, 11, 19448-19454.	5.6	29

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73	A redox targeting-based material recycling strategy for spent lithium ion batteries. Energy and Environmental Science, 2019, 12, 2672-2677.	30.8	106
74	Self-Assembly of Ultrathin Nanocrystals to Multidimensional Superstructures. Langmuir, 2019, 35, 10246-10266.	3.5	17
75	Highly Flexible and Stretchable Nanowire Superlattice Fibers Achieved by Springâ€Like Structure of Subâ€1 nm Nanowires. Advanced Functional Materials, 2019, 29, 1903477.	14.9	20
76	Single moleculeâ€“mediated assembly of polyoxometalate single-cluster rings and their three-dimensional superstructures. Science Advances, 2019, 5, eaax1081.	10.3	61
77	Photo- and thermo-coupled electrocatalysis in carbon dioxide and methane conversion. Science China Materials, 2019, 62, 1369-1373.	6.3	25
78	Clusterâ€“Nuclei Coassembled into Two-Dimensional Hybrid CuO-PMA Sub-1 nm Nanosheets. Journal of the American Chemical Society, 2019, 141, 18754-18758.	13.7	58
79	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
80	Boosting the ORR performance of modified carbon black via Câ€“O bonds. Chemical Science, 2019, 10, 2118-2123.	7.4	26
81	Hybrid nanostructures of pit-rich TiO₂ nanocrystals with Ru loading and N doping for enhanced solar water splitting. Chemical Communications, 2019, 55, 2781-2784.	4.1	12
82	2-Methylimidazole assisted ultrafast synthesis of carboxylate-based metalâ€“organic framework nano-structures in aqueous medium at room temperature. Science Bulletin, 2019, 64, 1103-1109.	9.0	11
83	An Allâ€Inorganic Colloidal Nanocrystal Flexible Polarizer. Angewandte Chemie - International Edition, 2019, 58, 8730-8735.	13.8	39
84	An Allâ€Inorganic Colloidal Nanocrystal Flexible Polarizer. Angewandte Chemie, 2019, 131, 8822-8827.	2.0	16
85	Edgeâ€Exposed Molybdenum Disulfide with Nâ€Doped Carbon Hybridization: A Hierarchical Hollow Electrocatalyst for Carbon Dioxide Reduction. Advanced Energy Materials, 2019, 9, 1900072.	19.5	62
86	Approaches for measuring the surface areas of metal oxide electrocatalysts for determining their intrinsic electrocatalytic activity. Chemical Society Reviews, 2019, 48, 2518-2534.	38.1	483
87	A bifunctional MoS₂-based solar evaporator for both efficient water evaporation and clean freshwater collection. Journal of Materials Chemistry A, 2019, 7, 11177-11185.	10.3	105
88	Phase Control in Inorganic Nanocrystals through Finely Tuned Growth at an Ultrathin Scale. Accounts of Chemical Research, 2019, 52, 780-790.	15.6	27
89	Bio-inspired synthesis of mesoporous HfO2 nanoframes as reactors for piezotronic polymerization and Suzuki coupling reactions. Nanoscale, 2019, 11, 5240-5246.	5.6	6
90	Redox Targeting-Based Vanadium Redox-Flow Battery. ACS Energy Letters, 2019, 4, 3028-3035.	17.4	63

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91	Unique 1D Cd_{1â^'}_xZn_xS@Oâ€MoS₂/NiO_x Nanohybrids: Highly Efficient Visibleâ€Lightâ€Driven Photocatalytic Hydrogen Evolution via Integrated Structural Regulation. Small, 2019, 15, e1804115.	10.0	64
92	Fabrication of NiFe layered double hydroxide with well-defined laminar superstructure as highly efficient oxygen evolution electrocatalysts. Nano Research, 2019, 12, 1327-1331.	10.4	53
93	Simple, Low-Dose, Durable, and Carbon-Nanotube-Based Floating Solar Still for Efficient Desalination and Purification. ACS Sustainable Chemistry and Engineering, 2019, 7, 3925-3932.	6.7	63
94	Oxygenâ€Defected Molybdenum Oxides Hierarchical Nanostructure Constructed by Atomicâ€Level Thickness Nanosheets as an Efficient Absorber for Solar Steam Generation. Solar Rrl, 2019, 3, 1800277.	5.8	62
95	Solvothermal Synthesis of Nanomaterials. World Scientific Series in Nanoscience and Nanotechnology, 2019, , 23-58.	0.1	0
96	Surface Oxidation of AuNi Heterodimers to Achieve High Activities toward Hydrogen/Oxygen Evolution and Oxygen Reduction Reactions. Small, 2018, 14, e1703749.	10.0	60
97	Iron Hydroxide-Modified Nickel Hydroxylphosphate Single-Wall Nanotubes as Efficient Electrocatalysts for Oxygen Evolution Reactions. ACS Applied Materials & Interfaces, 2018, 10, 9407-9414.	8.0	38
98	Multimetallic nanosheets: synthesis and applications in fuel cells. Chemical Society Reviews, 2018, 47, 6175-6200.	38.1	171
99	Composition-driven shape evolution to Cu-rich PtCu octahedral alloy nanocrystals as superior bifunctional catalysts for methanol oxidation and oxygen reduction reaction. Nanoscale, 2018, 10, 4670-4674.	5.6	82
100	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie, 2018, 130, 3551-3556.	2.0	102
101	Zirconiumâ€“Porphyrinâ€Based Metalâ€“Organic Framework Hollow Nanotubes for Immobilization of Nobleâ€Metal Single Atoms. Angewandte Chemie - International Edition, 2018, 57, 3493-3498.	13.8	341
102	The formation of (NiFe)S₂ pyrite mesocrystals as efficient pre-catalysts for water oxidation. Chemical Science, 2018, 9, 2762-2767.	7.4	60
103	Mimic the Photosystem II for Water Oxidation in Neutral Solution: A Case of Co₃O₄. Advanced Energy Materials, 2018, 8, 1702313.	19.5	18
104	Biotechnology smart control over stem cell fate commitment at nanoscale. Science China Materials, 2018, 61, 435-436.	6.3	0
105	Nanosheetâ€Assembled Hierarchical Carbon Nanoframeworks Bearing a Multiactive Center for Oxygen Reduction Reaction. Small Methods, 2018, 2, 1800068.	8.6	28
106	Metallic Transition-Metal Dichalcogenide Nanocatalysts for Energy Conversion. CheM, 2018, 4, 1510-1537.	11.7	141
107	Polarized Optoelectronics of CsPbX₃ (X = Cl, Br, I) Perovskite Nanoplates with Tunable Size and Thickness. Advanced Functional Materials, 2018, 28, 1800283.	14.9	63
108	Ultrathin 2D Zirconium Metalâ€“Organic Framework Nanosheets: Preparation and Application in Photocatalysis. Small, 2018, 14, e1703929.	10.0	171

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109	Theoretical investigations of transport properties of organic solvents in cation-functionalized graphene oxide membranes: Implications for drug delivery. Nano Research, 2018, 11, 254-263.	10.4	7
110	Three-dimensional macroscale assembly of Pd nanoclusters. Nano Research, 2018, 11, 3175-3181.	10.4	3
111	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Moleculeâ€“Surface Interactions with One-Unit-Thin TiO₂ Nanosheets. Nano Letters, 2018, 18, 7809-7815.	9.1	30
112	Ultrathin Tungsten Bronze Nanowires with Efficient Photo-to-Thermal Conversion Behavior. Chemistry of Materials, 2018, 30, 8727-8731.	6.7	28
113	Trimetallic Sulfide Mesoporous Nanospheres as Superior Electrocatalysts for Rechargeable Znâ€“Air Batteries. Advanced Energy Materials, 2018, 8, 1801839.	19.5	101
114	Dendritic defect-rich palladiumâ€“copperâ€“cobalt nanoalloys as robust multifunctional non-platinum electrocatalysts for fuel cells. Nature Communications, 2018, 9, 3702.	12.8	204
115	Green and Size-Specific Synthesis of Stable Feâ€“Cu Oxides as Earth-Abundant Adsorbents for Malachite Green Removal. ACS Sustainable Chemistry and Engineering, 2018, 6, 9229-9236.	6.7	79
116	Metalâ€“Organic Framework Based Microcapsules. Angewandte Chemie, 2018, 130, 10305-10309.	2.0	15
117	Metalâ€“Organic Framework Based Microcapsules. Angewandte Chemie - International Edition, 2018, 57, 10148-10152.	13.8	64
118	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. Nature Communications, 2018, 9, 2452.	12.8	431
119	The Subâ€Nanometer Scale as a New Focus in Nanoscience. Advanced Materials, 2018, 30, e1802031.	21.0	99
120	Synthesis of self-assembled PtPdAg nanostructures with a high catalytic activity for oxygen reduction reactions. Nanoscale, 2018, 10, 17140-17147.	5.6	11
121	Microporous 2D NiCoFe phosphate nanosheets supported on Ni foam for efficient overall water splitting in alkaline media. Nanoscale, 2018, 10, 12975-12980.	5.6	94
122	Molecule Channels Directed by Cationâ€Đecorated Graphene Oxide Nanosheets and Their Application as Membrane Reactors. Advanced Materials, 2017, 29, 1606093.	21.0	83
123	Multi-node CdS hetero-nanowires grown with defect-rich oxygen-doped MoS2 ultrathin nanosheets for efficient visible-light photocatalytic H2 evolution. Nano Research, 2017, 10, 1377-1392.	10.4	104
124	Composition-controllable synthesis of defect-rich PtPdCu nanoalloys with hollow cavities as superior electrocatalysts for alcohol oxidation. Materials Chemistry Frontiers, 2017, 1, 1217-1222.	5.9	29
125	Monodispersed sub-5.0 nm PtCu nanoalloys as enhanced bifunctional electrocatalysts for oxygen reduction reaction and ethanol oxidation reaction. Nanoscale, 2017, 9, 2963-2968.	5.6	85
126	Au/Ni12P5 core/shell single-crystal nanoparticles as oxygen evolution reaction catalyst. Nano Research, 2017, 10, 3103-3112.	10.4	48

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127	Trimetallic PtCoFe Alloy Monolayer Superlattices as Bifunctional Oxygen-Reduction and Ethanol-Oxidation Electrocatalysts. Small, 2017, 13, 1700250.	10.0	42
128	Amorphous nickel-cobalt complexes hybridized with 1T-phase molybdenum disulfide via hydrazine-induced phase transformation for water splitting. Nature Communications, 2017, 8, 15377.	12.8	284
129	Modifying Commercial Carbon with Trace Amounts of ZIF to Prepare Derivatives with Superior ORR Activities. Advanced Materials, 2017, 29, 1701354.	21.0	94
130	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metalâ€“Organic Frameworks. ACS Applied Materials & Interfaces, 2017, 9, 22732-22738.	8.0	36
131	Cobalt carbonate hydroxide superstructures for oxygen evolution reactions. Chemical Communications, 2017, 53, 8010-8013.	4.1	74
132	Sub-1 nm Nanowire Based Superlattice Showing High Strength and Low Modulus. Journal of the American Chemical Society, 2017, 139, 8579-8585.	13.7	47
133	Shape controlled synthesis of porous tetrametallic PtAgBiCo nanoplates as highly active and methanol-tolerant electrocatalyst for oxygen reduction reaction. Chemical Science, 2017, 8, 4292-4298.	7.4	52
134	Porous Tetrametallic PtCuBiMn Nanosheets with a High Catalytic Activity and Methanol Tolerance Limit for Oxygen Reduction Reactions. Advanced Materials, 2017, 29, 1604994.	21.0	84
135	Titanocene dichloride (Cp₂TiCl₂) as a precursor for template-free fabrication of hollow TiO₂nanostructures with enhanced photocatalytic hydrogen production. Nanoscale, 2017, 9, 2074-2081.	5.6	24
136	Highly Active and Durable Pt₇₂Ru₂₈ Porous Nanoalloy Assembled with Subâ€4.0 nm Particles for Methanol Oxidation. Advanced Energy Materials, 2017, 7, 1601593.	19.5	81
137	3D self-assembly of ultrafine molybdenum carbide confined in N-doped carbon nanosheets for efficient hydrogen production. Nanoscale, 2017, 9, 15895-15900.	5.6	45
138	One-pot synthesis of dendritic Pt₃Ni nanoalloys as nonenzymatic electrochemical biosensors with high sensitivity and selectivity for dopamine detection. Nanoscale, 2017, 9, 10998-11003.	5.6	30
139	Nickel Diselenide Ultrathin Nanowires Decorated with Amorphous Nickel Oxide Nanoparticles for Enhanced Water Splitting Electrocatalysis. Small, 2017, 13, 1701487.	10.0	99
140	Finely Composition-Tunable Synthesis of Ultrafine Wavy PtRu Nanowires as Effective Electrochemical Sensors for Dopamine Detection. Langmuir, 2017, 33, 8070-8075.	3.5	25
141	Mesoporous ZrO₂ Nanoframes for Biomass Upgrading. ACS Applied Materials & Interfaces, 2017, 9, 26897-26906.	8.0	24
142	Cesium Lead Halide Perovskite Quantum Dots as a Photoluminescence Probe for Metal Ions. Advanced Materials, 2017, 29, 1700150.	21.0	112
143	Silver nanocrystal-decorated polyoxometalate single-walled nanotubes as nanoreactors for desulfurization catalysis at room temperature. Nanoscale, 2017, 9, 13334-13340.	5.6	28
144	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. Nature Communications, 2017, 8, 1559.	12.8	81

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145	Hierarchical CoS/MoS₂ and Co₃S₄/MoS₂/Ni₂P nanotubes for efficient electrocatalytic hydrogen evolution in alkaline media. Journal of Materials Chemistry A, 2017, 5, 25410-25419.	10.3	66
146	Fast and scalable synthesis of uniform zirconium-, hafnium-based metalâ€“organic framework nanocrystals. Nanoscale, 2017, 9, 19209-19215.	5.6	74
147	Surface Confinement Etching and Polarization Matter: A New Approach To Prepare Ultrathin PtAgCo Nanosheets for Hydrogen-Evolution Reactions. Chemistry of Materials, 2017, 29, 6329-6335.	6.7	49
148	Fullereneâ€Like Nickel Oxysulfide Hollow Nanospheres as Bifunctional Electrocatalysts for Water Splitting. Small, 2017, 13, 1602637.	10.0	39
149	Preface for special issue: Tsinghua-NTU Bilateral Workshop for Young Scientists. Science China Materials, 2017, 60, 1025-1025.	6.3	0
150	Polyoxometalate Clusterâ€Incorporated Metalâ€Organic Framework Hierarchical Nanotubes. Small, 2016, 12, 2982-2990.	10.0	60
151	Generalized Synthesis of Hierarchical Transition Metal Dichalcogenide Nanosheets from Polyoxometalates. ChemNanoMat, 2016, 2, 665-670.	2.8	2
152	Electrostatic Interactionâ€Directed Growth of Nickel Phosphate Singleâ€Walled Nanotubes for High Performance Oxygen Evolution Reaction Catalysts. Small, 2016, 12, 2969-2974.	10.0	42
153	Epitaxy of Radial Highâ€Energyâ€Facetted Ultrathin TiO₂ Nanosheets onto Nanowires for Enhanced Photoreactivities. Advanced Functional Materials, 2016, 26, 1580-1589.	14.9	43
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