

Xiao-Ming Sun

List of Publications by Year in descending order

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336
papers

51,215
citations

1531

109
h-index

1680

220
g-index

348
all docs

348
docs citations

348
times ranked

52887
citing authors

#	ARTICLE	IF	CITATIONS
1	Sandwich layered double hydroxides with graphene oxide for enhanced water desalination. <i>Science China Materials</i> , 2022, 65, 803-810.	3.5	17
2	Single-atom Zn for boosting supercapacitor performance. <i>Nano Research</i> , 2022, 15, 1715-1724.	5.8	26
3	Ultrathin Aluminum Nanosheets Grown on Carbon Nanotubes for High Performance Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2109112.	7.8	17
4	Copper nanowire with enriched high-index facets for highly selective CO ₂ reduction. <i>SmartMat</i> , 2022, 3, 142-150.	6.4	19
5	Surface hydrophobic modification enhanced catalytic performance of electrochemical nitrogen reduction reaction. <i>Nano Research</i> , 2022, 15, 3886-3893.	5.8	40
6	Strong Metal-Support Interaction Boosts Activity, Selectivity, and Stability in Electrosynthesis of H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2022, 144, 2255-2263.	6.6	90
7	SND1 Promotes Radioresistance in Cervical Cancer Cells by Targeting the DNA Damage Response. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2022, , .	0.7	1
8	Uncovering sulfur doping effect in MnO ₂ nanosheets as an efficient cathode for aqueous zinc ion battery. <i>Energy Storage Materials</i> , 2022, 47, 424-433.	9.5	161
9	3D printed hierarchical spinel monolithic catalysts for highly efficient semi-hydrogenation of acetylene. <i>Nano Research</i> , 2022, 15, 6010-6018.	5.8	8
10	Stabilizing single-atomic ruthenium by ferrous ion doped NiFe-LDH towards highly efficient and sustained water oxidation. <i>Chemical Engineering Journal</i> , 2022, 446, 136962.	6.6	25
11	Unraveling the effects of gas species and surface wettability on the morphology of interfacial nanobubbles. <i>Nanoscale Advances</i> , 2022, 4, 2893-2901.	2.2	3
12	Oxygenated P/N co-doped carbon for efficient 2e ⁻ oxygen reduction to H ₂ O ₂ . <i>Journal of Materials Chemistry A</i> , 2022, 10, 14355-14363.	5.2	22
13	Recycling synthesis of single-atom Zn-nitrogen-carbon catalyst for electrocatalytic reduction of O ₂ to H ₂ O ₂ . <i>Science China Materials</i> , 2022, 65, 3490-3496.	3.5	10
14	Construction of Dual-Atom Fe via Face-to-Face Assembly of Molecular Phthalocyanine for Superior Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2022, 34, 5598-5606.	3.2	29
15	Iridium Doped Pyrochlore Ruthenates for Efficient and Durable Electrocatalytic Oxygen Evolution in Acidic Media. <i>Small</i> , 2022, 18, .	5.2	34
16	Electrochemical Oxygen Reduction to Hydrogen Peroxide via a Two-Electron Transfer Pathway on Carbon-Based Single-Atom Catalysts. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001360.	1.9	35
17	Kinetic study of electrochemically produced hydrogen bubbles on Pt electrodes with tailored geometries. <i>Nano Research</i> , 2021, 14, 2154-2159.	5.8	15
18	Layered double hydroxide-based electrocatalysts for the oxygen evolution reaction: identification and tailoring of active sites, and superaerophobic nanoarray electrode assembly. <i>Chemical Society Reviews</i> , 2021, 50, 8790-8817.	18.7	331

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19	Oxygen Reduction Reaction: Mn ₄ Oxygen Reduction Electrocatalyst: Operando Investigation of Active Sites and High Performance in Zinc-Air Battery (Adv. Energy Mater. 6/2021). Advanced Energy Materials, 2021, 11, 2170025.	10.2	0
20	Rare-earth-regulated Ru-O interaction within the pyrochlore ruthenate for electrocatalytic oxygen evolution in acidic media. Science China Materials, 2021, 64, 1653-1661.	3.5	27
21	Synthesis of Nanosized Metal Sulfides Using Elemental Sulfur in Formamide: Implications for Energy Conversion and Optical Scenarios. ACS Applied Nano Materials, 2021, 4, 2357-2364.	2.4	6
22	Superwetting behaviors at the interface between electrode and electrolyte. Cell Reports Physical Science, 2021, 2, 100374.	2.8	22
23	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	5.8	156
24	Fast and Stable Electrochemical Production of H ₂ O ₂ by Electrode Architecture Engineering. ACS Sustainable Chemistry and Engineering, 2021, 9, 7120-7129.	3.2	24
25	Aerophilic Co-Embedded N-Doped Carbon Nanotube Arrays as Highly Efficient Cathodes for Aluminum-Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 26853-26860.	4.0	15
26	Hollow Carbon Spheres Embedded with VN Quantum Dots as an Efficient Cathode Host for Lithium-Sulfur Batteries. Energy & Fuels, 2021, 35, 10219-10226.	2.5	17
27	GILT in tumor cells improves T cell-mediated anti-tumor immune surveillance. Immunology Letters, 2021, 234, 1-12.	1.1	5
28	Energy-saving hydrogen production by chlorine-free hybrid seawater splitting coupling hydrazine degradation. Nature Communications, 2021, 12, 4182.	5.8	233
29	Ultrathin-shell epitaxial Ag@Au core-shell nanowires for high-performance and chemically-stable electronic, optical, and mechanical devices. Nano Research, 2021, 14, 4294-4303.	5.8	35
30	Flexible carbon nanofiber film with diatomic Fe-Co sites for efficient oxygen reduction and evolution reactions in wearable zinc-air batteries. Nano Energy, 2021, 87, 106147.	8.2	103
31	A mixed ion-electron conducting network derived from a porous CoP film for stable lithium metal anodes. Materials Chemistry Frontiers, 2021, 5, 5486-5496.	3.2	7
32	Controllable synthesis and electrocatalytic applications of atomically precise gold nanoclusters. Nanoscale Advances, 2021, 3, 6330-6341.	2.2	14
33	Catalytic separators with Co-N-C nanoreactors for high-performance lithium-sulfur batteries. Inorganic Chemistry Frontiers, 2021, 8, 3066-3076.	3.0	29
34	Mn ₄ Oxygen Reduction Electrocatalyst: Operando Investigation of Active Sites and High Performance in Zinc-Air Battery. Advanced Energy Materials, 2021, 11, 2002753.	10.2	83
35	Iridium in Tungsten Trioxide Matrix as an Efficient Bi-Functional Electrocatalyst for Overall Water Splitting in Acidic Media. Small, 2021, 17, e2102078.	5.2	28
36	Research Progress of Oxygen Evolution Reaction Catalysts for Electrochemical Water Splitting. ChemSusChem, 2021, 14, 5359-5383.	3.6	70

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37	MoS _x microgrid electrodes with geometric jumping effect for enhancing hydrogen evolution efficiency. <i>Science China Materials</i> , 2021, 64, 892-898.	3.5	3
38	The chemistry, recent advancements and activity descriptors for macrocycles based electrocatalysts in oxygen reduction reaction. <i>Coordination Chemistry Reviews</i> , 2020, 402, 213047.	9.5	78
39	Ternary NiCoFe-layered double hydroxide hollow polyhedrons as highly efficient electrocatalysts for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2020, 43, 104-107.	7.1	52
40	Ultra-thin metal-organic framework nanoribbons. <i>National Science Review</i> , 2020, 7, 46-52.	4.6	38
41	A multiphase nickel iron sulfide hybrid electrode for highly active oxygen evolution. <i>Science China Materials</i> , 2020, 63, 356-363.	3.5	23
42	Synthesis and Properties of Stable Sub-2-nm-Thick Aluminum Nanosheets: Oxygen Passivation and Two-Photon Luminescence. <i>CheM</i> , 2020, 6, 448-459.	5.8	15
43	Atomically Dispersed Mo Supported on Metallic Co ₉ S ₈ Nanoflakes as an Advanced Noble-Metal-Free Bifunctional Water Splitting Catalyst Working in Universal pH Conditions. <i>Advanced Energy Materials</i> , 2020, 10, 1903137.	10.2	162
44	An Artificial Electrode/Electrolyte Interface for CO ₂ Electroreduction by Cation Surfactant Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19095-19101.	7.2	71
45	Electronic coupling strategy to boost water oxidation efficiency based on the modelling of trimetallic hydroxides Ni _{1-x} Fe _x Cr(OH) ₂ : From theory to experiment. <i>Chemical Engineering Journal</i> , 2020, 402, 126144.	6.6	11
46	An Artificial Electrode/Electrolyte Interface for CO ₂ Electroreduction by Cation Surfactant Self-Assembly. <i>Angewandte Chemie</i> , 2020, 132, 19257-19263.	1.6	45
47	Trifunctional Single-Atomic Ru Sites Enable Efficient Overall Water Splitting and Oxygen Reduction in Acidic Media. <i>Small</i> , 2020, 16, e2002888.	5.2	120
48	Thiol-Branched Solid Polymer Electrolyte Featuring High Strength, Toughness, and Lithium Ionic Conductivity for Lithium-Metal Batteries. <i>Advanced Materials</i> , 2020, 32, e2001259.	11.1	139
49	Understanding of Dynamic Contacting Behaviors of Underwater Gas Bubbles on Solid Surfaces. <i>Langmuir</i> , 2020, 36, 11422-11428.	1.6	7
50	Antibuoyancy and Unidirectional Gas Evolution by Janus Electrodes with Asymmetric Wettability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23627-23634.	4.0	29
51	Bubble Consumption Dynamics in Electrochemical Oxygen Reduction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 473-478.	1.3	3
52	Boosting the bifunctional oxygen electrocatalytic performance of atomically dispersed Fe site via atomic Ni neighboring. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119091.	10.8	130
53	Assisting Atomic Dispersion of Fe in N-Doped Carbon by Aerosil for High-Efficiency Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25832-25842.	4.0	17
54	Atomically Dispersed Fe-N ₄ Modified with Precisely Located S for Highly Efficient Oxygen Reduction. <i>Nano-Micro Letters</i> , 2020, 12, 116.	14.4	99

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55	Acid-Base Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10918-10923.	7.2	40
56	Acid-Base Interaction Enhancing Oxygen Tolerance in Electrocatalytic Carbon Dioxide Reduction. <i>Angewandte Chemie</i> , 2020, 132, 11010-11015.	1.6	6
57	A pan-cancer analysis of the oncogenic role of staphylococcal nuclease domain-containing protein 1 (SND1) in human tumors. <i>Genomics</i> , 2020, 112, 3958-3967.	1.3	98
58	Pyrolysis-free formamide-derived N-doped carbon supporting atomically dispersed cobalt as high-performance bifunctional oxygen electrocatalyst. <i>Journal of Energy Chemistry</i> , 2020, 49, 283-290.	7.1	35
59	Insights into the Enhanced Catalytic Activity of Fe-Doped LiCoPO ₄ for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 2959-2965.	2.5	5
60	Hollow-Structured Layered Double Hydroxide: Structure Evolution Induced by Gradient Composition. <i>Inorganic Chemistry</i> , 2020, 59, 1804-1809.	1.9	10
61	Ultrasmall NiFe layered double hydroxide strongly coupled on atomically dispersed FeCo-NC nanoflowers as efficient bifunctional catalyst for rechargeable Zn-air battery. <i>Science China Materials</i> , 2020, 63, 1182-1195.	3.5	44
62	Electroreduction of CO ₂ to Formate on a Copper-Based Electrocatalyst at High Pressures with High Energy Conversion Efficiency. <i>Journal of the American Chemical Society</i> , 2020, 142, 7276-7282.	6.6	165
63	Sacrificial carbon nitride-templated hollow FeCo-NC material for highly efficient oxygen reduction reaction and Al-air battery. <i>Electrochimica Acta</i> , 2020, 341, 136066.	2.6	14
64	Hierarchical peony-like FeCo-NC with conductive network and highly active sites as efficient electrocatalyst for rechargeable Zn-air battery. <i>Nano Research</i> , 2020, 13, 1090-1099.	5.8	77
65	Recent Advances in Non-Precious Metal-Based Electrodes for Alkaline Water Electrolysis. <i>ChemNanoMat</i> , 2020, 6, 336-355.	1.5	92
66	Confined local oxygen gas promotes electrochemical water oxidation to hydrogen peroxide. <i>Nature Catalysis</i> , 2020, 3, 125-134.	16.1	252
67	Common-Ion Effect Triggered Highly Sustained Seawater Electrolysis with Additional NaCl Production. <i>Research</i> , 2020, 2020, 2872141.	2.8	28
68	Porous Copper Foam Co-operation with Thiourea for Dendrite-free Lithium Metal Anode. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2020, .	2.2	2
69	Zn Doped NiMn-Layered Double Hydroxide for High Performance Ni-Zn Battery. <i>Journal of the Electrochemical Society</i> , 2020, 167, 160550.	1.3	4
70	An advanced zinc air battery with nanostructured superwetting electrodes. <i>Energy Storage Materials</i> , 2019, 17, 358-365.	9.5	25
71	Ultrathin atomic Mn-decorated formamide-converted N-doped carbon for efficient oxygen reduction reaction. <i>Nanoscale</i> , 2019, 11, 15900-15906.	2.8	43
72	Hierarchical cobalt oxide@Nickel-vanadium layer double hydroxide core/shell nanowire arrays with enhanced areal specific capacity for nickel-zinc batteries. <i>Journal of Power Sources</i> , 2019, 436, 226867.	4.0	48

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73	Dendrite-free Lithium Deposition via a Superfilling Mechanism for High-performance Metal Batteries. <i>Advanced Materials</i> , 2019, 31, e1903248.	11.1	106
74	Amorphous Ruthenium Sulfide with Isolated Catalytic Sites for Pt-like Electrocatalytic Hydrogen Production Over Whole pH Range. <i>Small</i> , 2019, 15, e1904043.	5.2	71
75	Hydrogen Production: Amorphous Ruthenium Sulfide with Isolated Catalytic Sites for Pt-like Electrocatalytic Hydrogen Production Over Whole pH Range (<i>Small</i> 46/2019). <i>Small</i> , 2019, 15, 1970249.	5.2	0
76	Constructing Earth-abundant 3D Nanoarrays for Efficient Overall Water Splitting – A Review. <i>ChemCatChem</i> , 2019, 11, 1550-1575.	1.8	108
77	Superaerophilic copper nanowires for efficient and switchable CO ₂ electroreduction. <i>Nanoscale Horizons</i> , 2019, 4, 490-494.	4.1	39
78	Activating Layered Double Hydroxide with Multivacancies by Memory Effect for Energy-Efficient Hydrogen Production at Neutral pH. <i>ACS Energy Letters</i> , 2019, 4, 1412-1418.	8.8	115
79	Engineering Interfacial Aerophilicity of Nickel-Embedded Nitrogen-Doped CNTs for Electrochemical CO ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2019, 2, 3991-3998.	2.5	23
80	Enhancing oxygen evolution reaction by cationic surfactants. <i>Nano Research</i> , 2019, 12, 2302-2306.	5.8	28
81	Synthesis and performance optimization of ultrathin two-dimensional CoFePt alloy materials via in situ topotactic conversion for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9517-9522.	5.2	17
82	Solar-driven, highly sustained splitting of seawater into hydrogen and oxygen fuels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6624-6629.	3.3	524
83	A general route via formamide condensation to prepare atomically dispersed metal-nitrogen-carbon electrocatalysts for energy technologies. <i>Energy and Environmental Science</i> , 2019, 12, 1317-1325.	15.6	290
84	Highly efficient and stable solar-powered desalination by tungsten carbide nanoarray film with sandwich wettability. <i>Science Bulletin</i> , 2019, 64, 391-399.	4.3	32
85	Boosting oxygen evolution of single-atomic ruthenium through electronic coupling with cobalt-iron layered double hydroxides. <i>Nature Communications</i> , 2019, 10, 1711.	5.8	446
86	An electrodeposition approach to metal/metal oxide heterostructures for active hydrogen evolution catalysts in near-neutral electrolytes. <i>Nano Research</i> , 2019, 12, 1431-1435.	5.8	31
87	An Entangled Cobalt-Nitrogen-Carbon Nanotube Array Electrode with Synergetic Confinement and Electrocatalysis of Polysulfides for Stable S Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 2904-2912.	2.5	28
88	Breaking the symmetry: Gradient in NiFe layered double hydroxide nanoarrays for efficient oxygen evolution. <i>Nano Energy</i> , 2019, 60, 661-666.	8.2	52
89	Electronic Structure Engineering of 2D Carbon Nanosheets by Evolutionary Nitrogen Modulation for Synergizing CO ₂ Electroreduction. <i>ACS Applied Energy Materials</i> , 2019, 2, 3151-3159.	2.5	7
90	Recent Advances for MOF-Derived Carbon-Supported Single-Atom Catalysts. <i>Small Methods</i> , 2019, 3, 1800471.	4.6	315

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91	Surface Restraint Synthesis of an Organic-Inorganic Hybrid Layer for Dendrite-Free Lithium Metal Anode. ACS Applied Materials & Interfaces, 2019, 11, 8717-8724.	4.0	39
92	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. Angewandte Chemie, 2019, 131, 746-750.	1.6	55
93	Selectivity regulation of CO ₂ electroreduction through contact interface engineering on superwetting Cu nanoarray electrodes. Nano Research, 2019, 12, 345-349.	5.8	80
94	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. Angewandte Chemie - International Edition, 2019, 58, 736-740.	7.2	335
95	Janus electrode with simultaneous management on gas and liquid transport for boosting oxygen reduction reaction. Nano Research, 2019, 12, 177-182.	5.8	43
96	Global Tudor-SN transgenic mice are protected from obesity-induced hepatic steatosis and insulin resistance. FASEB Journal, 2019, 33, 3731-3745.	0.2	4
97	Recent progress on earth abundant electrocatalysts for hydrogen evolution reaction (HER) in alkaline medium to achieve efficient water splitting – A review. Journal of Energy Chemistry, 2019, 34, 111-160.	7.1	323
98	Nitrogen-doped tungsten carbide nanoarray as an efficient bifunctional electrocatalyst for water splitting in acid. Nature Communications, 2018, 9, 924.	5.8	571
99	A highly-efficient oxygen evolution electrode based on defective nickel-iron layered double hydroxide. Science China Materials, 2018, 61, 939-947.	3.5	69
100	Oncoprotein Tudor-SN is a key determinant providing survival advantage under DNA damaging stress. Cell Death and Differentiation, 2018, 25, 1625-1637.	5.0	23
101	Tuning Electronic Structure of NiFe Layered Double Hydroxides with Vanadium Doping toward High Efficient Electrocatalytic Water Oxidation. Advanced Energy Materials, 2018, 8, 1703341.	10.2	505
102	Understanding the incorporating effect of Co ²⁺ /Co ³⁺ in NiFe-layered double hydroxide for electrocatalytic oxygen evolution reaction. Journal of Catalysis, 2018, 358, 100-107.	3.1	194
103	Scalable fabrication of hierarchically porous N-doped carbon electrode materials for high-performance aqueous symmetric supercapacitor. Journal of Materials Science, 2018, 53, 5194-5203.	1.7	12
104	Density gradient ultracentrifugation for colloidal nanostructures separation and investigation. Science Bulletin, 2018, 63, 645-662.	4.3	35
105	Layered double hydroxides with atomic-scale defects for superior electrocatalysis. Nano Research, 2018, 11, 4524-4534.	5.8	130
106	Metal-organic framework-derived, Zn-doped porous carbon polyhedra with enhanced activity as bifunctional catalysts for rechargeable zinc-air batteries. Nano Research, 2018, 11, 163-173.	5.8	105
107	Single-Crystalline Ultrathin Co ₃ O ₄ Nanosheets with Massive Vacancy Defects for Enhanced Electrocatalysis. Advanced Energy Materials, 2018, 8, 1701694.	10.2	451
108	Nanoporous Zn-doped Co ₃ O ₄ sheets with single-unit-cell-wide lateral surfaces for efficient oxygen evolution and water splitting. Nano Energy, 2018, 44, 371-377.	8.2	138

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109	NiCoFe-layered Double Hydroxides/N-doped Graphene Oxide Array Colloid Composite as an Efficient Bifunctional Catalyst for Oxygen Electrocatalytic Reactions. <i>Advanced Energy Materials</i> , 2018, 8, 1701905.	10.2	276
110	Fabricating Sulfur/Oxygen Co-doped Crumpled Graphene for High-performance Oxygen Reduction Reaction Electrocatalysis. <i>ChemElectroChem</i> , 2018, 5, 242-246.	1.7	4
111	Co/CoP embedded in a hairy nitrogen-doped carbon polyhedron as an advanced tri-functional electrocatalyst. <i>Materials Horizons</i> , 2018, 5, 108-115.	6.4	184
112	Effects of redox-active interlayer anions on the oxygen evolution reactivity of NiFe-layered double hydroxide nanosheets. <i>Nano Research</i> , 2018, 11, 1358-1368.	5.8	134
113	Topotactic conversion of calcium carbide to highly crystalline few-layer graphene in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23638-23643.	5.2	8
114	Polyvinylchloride-derived N, S co-doped carbon as an efficient sulfur host for high-performance Li-S batteries. <i>RSC Advances</i> , 2018, 8, 37811-37816.	1.7	10
115	Boosting oxygen reaction activity by coupling sulfides for high-performance rechargeable metal-air battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21162-21166.	5.2	38
116	Micro-Nanohoneycomb Solid Oxide Electrolysis Cell Anodes with Ultralarge Current Tolerance. <i>Advanced Energy Materials</i> , 2018, 8, 1802203.	10.2	40
117	Self-powered H ₂ production with bifunctional hydrazine as sole consumable. <i>Nature Communications</i> , 2018, 9, 4365.	5.8	178
118	Unlocking Bifunctional Electrocatalytic Activity for CO ₂ Reduction Reaction by Win-Win Metal-Oxide Cooperation. <i>ACS Energy Letters</i> , 2018, 3, 2816-2822.	8.8	76
119	Flame-Engraved Nickel-Iron Layered Double Hydroxide Nanosheets for Boosting Oxygen Evolution Reactivity. <i>Small Methods</i> , 2018, 2, 1800083.	4.6	115
120	Activating basal plane in NiFe layered double hydroxide by Mn ²⁺ doping for efficient and durable oxygen evolution reaction. <i>Nanoscale Horizons</i> , 2018, 3, 532-537.	4.1	144
121	Systematic design of superaerophobic nanotube-array electrode comprised of transition-metal sulfides for overall water splitting. <i>Nature Communications</i> , 2018, 9, 2452.	5.8	431
122	Nanoseparation Using Density Gradient Ultracentrifugation. <i>Springer Briefs in Molecular Science</i> , 2018, . .	0.1	1
123	Aligned N-doped carbon nanotube bundles with interconnected hierarchical structure as an efficient bi-functional oxygen electrocatalyst. <i>RSC Advances</i> , 2018, 8, 26004-26010.	1.7	11
124	Recent progress on earth abundant electrocatalysts for oxygen evolution reaction (OER) in alkaline medium to achieve efficient water splitting - A review. <i>Journal of Power Sources</i> , 2018, 400, 31-68.	4.0	418
125	Plasma-activated Co ₃ (PO ₄) ₂ nanosheet arrays with Co ³⁺ -Rich surfaces for overall water splitting. <i>Journal of Power Sources</i> , 2018, 400, 190-197.	4.0	86
126	Superwetting Electrodes for Gas-Involving Electrocatalysis. <i>Accounts of Chemical Research</i> , 2018, 51, 1590-1598.	7.6	411

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127	Introducing Fe ²⁺ into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie</i> , 2018, 130, 9536-9540.	1.6	86
128	Introducing Fe ²⁺ into Nickel-Iron Layered Double Hydroxide: Local Structure Modulated Water Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9392-9396.	7.2	284
129	Room-temperature rapid synthesis of metal-free doped carbon materials. <i>Carbon</i> , 2017, 115, 28-33.	5.4	18
130	Phosphorus oxoanion-intercalated layered double hydroxides for high-performance oxygen evolution. <i>Nano Research</i> , 2017, 10, 1732-1739.	5.8	139
131	Nickel-cobalt oxides supported on Co/N decorated graphene as an excellent bifunctional oxygen catalyst. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5594-5600.	5.2	119
132	Regulating the spatial distribution of metal nanoparticles within metal-organic frameworks to enhance catalytic efficiency. <i>Nature Communications</i> , 2017, 8, 14429.	5.8	179
133	A two-volt aqueous supercapacitor from porous dehalogenated carbon. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6734-6739.	5.2	23
134	Construction of Hierarchical Copper-Based Metal-Organic Framework Nanoarrays as Functional Structured Catalysts. <i>ChemCatChem</i> , 2017, 9, 1771-1775.	1.8	18
135	A promising energy storage system: rechargeable Ni-Zn battery. <i>Rare Metals</i> , 2017, 36, 381-396.	3.6	69
136	Thin sandwich graphene oxide@N-doped carbon composites for high-performance supercapacitors. <i>RSC Advances</i> , 2017, 7, 22071-22078.	1.7	6
137	Flexible Transparent Supercapacitors Based on Hierarchical Nanocomposite Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17865-17871.	4.0	80
138	A flexible transparent colorimetric wrist strap sensor. <i>Nanoscale</i> , 2017, 9, 869-874.	2.8	104
139	Carbon coated Au/TiO ₂ mesoporous microspheres: a novel selective photocatalyst. <i>Science China Materials</i> , 2017, 60, 438-448.	3.5	25
140	Topotactic reduction of layered double hydroxides for atomically thick two-dimensional non-noble-metal alloy. <i>Nano Research</i> , 2017, 10, 2988-2997.	5.8	38
141	Multi-shelled Hollow Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5512-5516.	7.2	280
142	Innenstruktur: Multi-shelled Hollow Metal-Organic Frameworks (<i>Angew. Chem.</i> 20/2017). <i>Angewandte Chemie</i> , 2017, 129, 5723-5723.	1.6	0
143	Multi-shelled Hollow Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 5604-5608.	1.6	45
144	Tuning the wettability of carbon nanotube arrays for efficient bifunctional catalysts and Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7103-7110.	5.2	62

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145	Single Crystalline Ultrathin Nickel–Cobalt Alloy Nanosheets Array for Direct Hydrazine Fuel Cells. <i>Advanced Science</i> , 2017, 4, 1600179.	5.6	104
146	Efficient and stable electroreduction of CO ₂ to CH ₄ on CuS nanosheet arrays. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20239-20243.	5.2	119
147	Superaerophobic Ultrathin Ni–Mo Alloy Nanosheet Array from In Situ Topotactic Reduction for Hydrogen Evolution Reaction. <i>Small</i> , 2017, 13, 1701648.	5.2	190
148	Interfacial dehalogenation-enabled hollow N-doped carbon network as bifunctional catalysts for rechargeable Zn-air battery. <i>Electrochimica Acta</i> , 2017, 247, 1044-1051.	2.6	19
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