

Yufei Zhao

List of Publications by Year in descending order

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187
papers

23,560
citations

8755

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h-index

7745

150
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190
all docs

190
docs citations

190
times ranked

22168
citing authors

#	ARTICLE	IF	CITATIONS
1	Scaled-up synthesis of defect-rich layered double hydroxide monolayers without organic species for efficient oxygen evolution reaction. <i>Green Energy and Environment</i> , 2022, 7, 975-982.	8.7	28
2	Superstable Mineralization of Ni ²⁺ Ions from Wastewater using CaFe Layered Double Hydroxide. <i>Advanced Functional Materials</i> , 2022, 32, 2106645.	14.9	28
3	Remote Synthesis of Layered Double Hydroxide Nanosheets Through the Automatic Chemical Robot. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 217-222.	2.6	5
4	Dual Photo- and Mechanochromisms of Graphitic Carbon Nitride/Polyvinyl Alcohol Film. <i>Advanced Functional Materials</i> , 2022, 32, 2110285.	14.9	20
5	Single Carbon Vacancy Traps Atomic Platinum for Hydrogen Evolution Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 2171-2178.	13.7	140
6	A long-life lithium-oxygen battery via a molecular quenching/mediating mechanism. <i>Science Advances</i> , 2022, 8, eabm1899.	10.3	26
7	Hierarchical trace copper incorporation activated cobalt layered double hydroxide as a highly selective methanol conversion electrocatalyst to realize energy-matched photovoltaic-electrocatalytic formate and hydrogen co-production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19649-19661.	10.3	12
8	A high strength, low friction, and biocompatible hydrogel from PVA, chitosan and sodium alginate for articular cartilage. <i>Carbohydrate Polymers</i> , 2022, 286, 119268.	10.2	55
9	Modulating Pt-O-Pt atomic clusters with isolated cobalt atoms for enhanced hydrogen evolution catalysis. <i>Nature Communications</i> , 2022, 13, 2430.	12.8	98
10	Activated MoS ₂ by Constructing Single Atomic Cation Vacancies for Accelerated Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26846-26857.	8.0	9
11	Hydroxyl vacancies triggered high methanol oxidation activity of monolayered layered double hydroxides for energy-saving hydrogen production. <i>Materials Today Energy</i> , 2022, 28, 101082.	4.7	10
12	Photocatalytic syngas synthesis from CO ₂ and H ₂ O using ultrafine CeO ₂ -decorated layered double hydroxide nanosheets under visible-light up to 600 nm. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 99-108.	4.4	22
13	Structure-dependent degradation of nitroimidazoles by cobalt-manganese layered double hydroxide catalyzed peroxymonosulfate process. <i>Chemosphere</i> , 2021, 266, 129006.	8.2	34
14	Defect engineering of NiCo-layered double hydroxide hollow nanocages for highly selective photoreduction of CO ₂ to CH ₄ with suppressing H ₂ evolution. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 996-1004.	6.0	38
15	Atomically dispersed Rh-doped NiFe layered double hydroxides: precise location of Rh and promoting hydrazine electrooxidation properties. <i>Nanoscale</i> , 2021, 13, 1869-1874.	5.6	22
16	Recent Advances in Layered Double Hydroxides and Their Derivatives for Biomedical Applications. <i>Acta Chimica Sinica</i> , 2021, 79, 238.	1.4	14
17	Green light (550 nm) driven tunable syngas synthesis from CO ₂ photoreduction using heterostructured layered double hydroxide/TiC photocatalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 7091-7097.	4.1	7
18	Highly efficient atomically dispersed Co-N active sites in porous carbon for high-performance capacitive desalination of brackish water. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3066-3076.	10.3	33

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19	Theoretical study on the anisotropic photo-induced carrier mobilities in layered double hydroxide-based photocatalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20466-20482.	10.3	8
20	Responses of Defect-Rich Zr-Based Metal-Organic Frameworks toward NH ₃ Adsorption. <i>Journal of the American Chemical Society</i> , 2021, 143, 3205-3218.	13.7	47
21	600Ånm induced nearly 99% selectivity of CH ₄ from CO ₂ photoreduction using defect-rich monolayer structures. <i>Cell Reports Physical Science</i> , 2021, 2, 100322.	5.6	23
22	Non-solvent phase separation-assisted fabrication for flexible polyacrylonitrile based carbon membrane with excellent mechanical properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 567-577.	2.2	1
23	Facile fabrication of tough and biocompatible hydrogels from polyvinyl alcohol and agarose. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50979.	2.6	7
24	650Ånm-driven syngas evolution from photocatalytic CO ₂ reduction over Co-containing ternary layered double hydroxide nanosheets. <i>Chemical Engineering Journal</i> , 2021, 412, 128362.	12.7	49
25	Topological Transformation of Mg-Containing Layered Double Hydroxide Nanosheets for Efficient Photodriven CH ₄ Coupling. <i>Chemistry - A European Journal</i> , 2021, 27, 13211-13220.	3.3	14
26	Anchoring Sites Engineering in Single-Atom Catalysts for Highly Efficient Electrochemical Energy Conversion Reactions. <i>Advanced Materials</i> , 2021, 33, e2102801.	21.0	64
27	Scale-up synthesis of monolayer layered double hydroxide nanosheets via separate nucleation and aging steps method for efficient CO ₂ photoreduction. <i>Chemical Engineering Journal</i> , 2021, 419, 129390.	12.7	44
28	Solar-driven hydrogen production from steam methane reforming using highly dispersed metallic Ni catalysts supported on layered double hydroxide nanosheets. <i>Chemical Engineering Science</i> , 2021, 245, 116839.	3.8	18
29	Constructing Atomic Heterometallic Sites in Ultrathin Nickel-Incorporated Cobalt Phosphide Nanosheets via a Boron-Assisted Strategy for Highly Efficient Water Splitting. <i>Nano Letters</i> , 2021, 21, 823-832.	9.1	91
30	Highly Accessible Atomically Dispersed Fe-N Sites Electrocatalyst for Proton-Exchange Membrane Fuel Cell. <i>Advanced Science</i> , 2021, 8, 2002249.	11.2	67
31	Efficient N ₂ reduction with the VS ₂ electrocatalyst: identifying the active sites and unraveling the reaction pathway. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24985-24992.	10.3	12
32	Enhanced Electrocatalytic Oxidation of Formate via Introducing Surface Reactive Oxygen Species to a CeO ₂ Substrate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51643-51651.	8.0	14
33	Controllable Modulation of Defects for Layered Double Hydroxide Nanosheets by Altering Intercalation Anions for Efficient Electrooxidation Catalysis. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3993-3998.	3.3	1
34	Tuning the selectivity of photoreduction of CO ₂ to syngas over Pd/layered double hydroxide nanosheets under visible light up to 600Ånm. <i>Journal of Energy Chemistry</i> , 2020, 46, 1-7.	12.9	59
35	Manganese Oxide Modified Nickel Catalysts for Photothermal CO Hydrogenation to Light Olefins. <i>Advanced Energy Materials</i> , 2020, 10, 1902860.	19.5	56
36	Visible-Light-Induced Hydrogenation of C=C Bonds by Hydrazine over Ultrathin Layered Double Hydroxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14315-14322.	3.7	13

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37	Photocatalytic selective oxidation of benzene to phenol in water over layered double hydroxide: A thermodynamic and kinetic perspective. <i>Chemical Engineering Journal</i> , 2020, 388, 124248.	12.7	79
38	Selective catalytic oxidation of NH ₃ over noble metal-based catalysts: state of the art and future prospects. <i>Catalysis Science and Technology</i> , 2020, 10, 5792-5810.	4.1	82
39	Highly selective photo-hydroxylation of phenol using ultrathin NiFe-layered double hydroxide nanosheets under visible-light up to 550 nm. <i>Green Chemistry</i> , 2020, 22, 8604-8613.	9.0	24
40	Recent Progress on Nanostructured Layered Double Hydroxides for Visible-Light-Induced Photoreduction of CO ₂ . <i>Chemistry - an Asian Journal</i> , 2020, 15, 3380-3389.	3.3	28
41	Fabrication of antiseptic, conductive and robust polyvinyl alcohol/chitosan composite hydrogels. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	15
42	Tunable Syngas Synthesis from Photocatalytic CO ₂ Reduction Under Visible-Light Irradiation by Interfacial Engineering. <i>Transactions of Tianjin University</i> , 2020, 26, 352-361.	6.4	33
43	600 nm-driven photoreduction of CO ₂ through the topological transformation of layered double hydroxides nanosheets. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118884.	20.2	46
44	600 nm Irradiation-Induced Efficient Photocatalytic CO ₂ Reduction by Ultrathin Layered Double Hydroxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5848-5857.	3.7	47
45	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. <i>Matter</i> , 2020, 3, 571-585.	10.0	36
46	Intercalation Effect in NiAl-layered Double Hydroxide Nanosheets for CO ₂ Reduction Under Visible Light. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 127-133.	2.6	16
47	Engineering Active Ni Sites in Ternary Layered Double Hydroxide Nanosheets for a Highly Selective Photoreduction of CO ₂ to CH ₄ under Irradiation above 500 nm. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3008-3015.	3.7	52
48	500 nm induced tunable syngas synthesis from CO ₂ photoreduction by controlling heterojunction concentration. <i>Chemical Communications</i> , 2020, 56, 5354-5357.	4.1	40
49	Selective photocatalytic CO ₂ reduction over Zn-based layered double hydroxides containing tri or tetravalent metals. <i>Science Bulletin</i> , 2020, 65, 987-994.	9.0	205
50	Recent advance in ultrathin/ultrasmall layered double hydroxides. <i>Chinese Science Bulletin</i> , 2020, 65, 547-564.	0.7	5
51	2020 Roadmap on two-dimensional nanomaterials for environmental catalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 2065-2088.	9.0	90
52	Precise Control of the Oriented Layered Double Hydroxide Nanosheets Growth on Graphene Oxides Leading to Efficient Catalysts for Cascade Reactions. <i>ChemCatChem</i> , 2019, 11, 5466-5474.	3.7	12
53	Single Ru atoms with precise coordination on a monolayer layered double hydroxide for efficient electrooxidation catalysis. <i>Chemical Science</i> , 2019, 10, 378-384.	7.4	148
54	A versatile functionalized ionic liquid to boost the solution-mediated performances of lithium-oxygen batteries. <i>Nature Communications</i> , 2019, 10, 602.	12.8	138

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55	Highly Selective Photoreduction of CO ₂ with Suppressing H ₂ Evolution over Monolayer Layered Double Hydroxide under Irradiation above 600 nm. <i>Angewandte Chemie</i> , 2019, 131, 11986-11993.	2.0	47
56	Highly Selective Photoreduction of CO ₂ with Suppressing H ₂ Evolution over Monolayer Layered Double Hydroxide under Irradiation above 600 nm. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11860-11867.	13.8	224
57	Ultrathin Carbon Layer Protected PtCu Nanoparticles Encapsulated in Carbon Capsules: A Structure Engineering of the Anode Electrocatalyst for Direct Formic Acid Fuel Cells. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900100.	2.3	10
58	Ultrathin Porous NiCo ₂ O ₄ Nanosheets for Lithium-Oxygen Batteries: An Excellent Performance Deriving from an Enhanced Solution Mechanism. <i>ACS Applied Energy Materials</i> , 2019, 2, 4215-4223.	5.1	18
59	Interface Modulation of Two-Dimensional Superlattices for Efficient Overall Water Splitting. <i>Nano Letters</i> , 2019, 19, 4518-4526.	9.1	191
60	A Simple Synthetic Strategy toward Defect-Rich Porous Monolayer NiFe Layered Double Hydroxide Nanosheets for Efficient Electrocatalytic Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1900881.	19.5	363
61	Porous Mo ₂ C nanorods as an efficient catalyst for the hydrogen evolution reaction. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 132, 230-235.	4.0	32
62	Role of Ultrathin Carbon Shell in Enhancing the Performance of PtZn Intermetallic Nanoparticles as an Anode Electrocatalyst for Direct Formic Acid Fuel Cells. <i>ChemElectroChem</i> , 2019, 6, 2316-2323.	3.4	16
63	Tuning Oxygen Vacancies in Ultrathin TiO ₂ Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. <i>Advanced Materials</i> , 2019, 31, e1806482.	21.0	732
64	Photothermal hydrocarbon synthesis using alumina-supported cobalt metal nanoparticle catalysts derived from layered-double-hydroxide nanosheets. <i>Nano Energy</i> , 2019, 60, 467-475.	16.0	67
65	Solar- versus Thermal-Driven Catalysis for Energy Conversion. <i>Joule</i> , 2019, 3, 920-937.	24.0	153
66	P doped MoS ₂ nanoplates embedded in nitrogen doped carbon nanofibers as an efficient catalyst for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 291-298.	9.4	33
67	Ammonia Detection Methods in Photocatalytic and Electrocatalytic Experiments: How to Improve the Reliability of NH ₃ Production Rates?. <i>Advanced Science</i> , 2019, 6, 1802109.	11.2	379
68	Multiresponsive Supramolecular Luminescent Hydrogels Based on a Nucleoside/Lanthanide Complex. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47404-47412.	8.0	42
69	Tuning the Coordination Environment in Single-Atom Catalysts to Achieve Highly Efficient Oxygen Reduction Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20118-20126.	13.7	683
70	Molecular nitrogen promotes catalytic hydrodeoxygenation. <i>Nature Catalysis</i> , 2019, 2, 1078-1087.	34.4	63
71	Hollow CeO ₂ spheres conformally coated with graphitic carbon for high-performance supercapacitor electrodes. <i>Applied Surface Science</i> , 2019, 463, 244-252.	6.1	63
72	Conformal carbon coating on WS ₂ nanotubes for excellent electrochemical performance of lithium-ion batteries. <i>Nanotechnology</i> , 2019, 30, 035401.	2.6	5

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73	Two-dimensional-related catalytic materials for solar-driven conversion of CO _x into valuable chemical feedstocks. <i>Chemical Society Reviews</i> , 2019, 48, 1972-2010.	38.1	350
74	Activating room temperature phosphorescence by organic materials using synergistic effects. <i>Journal of Materials Chemistry C</i> , 2019, 7, 230-236.	5.5	43
75	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 34, 57-63.	12.9	78
76	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	19.5	274
77	In-situ La doped Co ₃ O ₄ as highly efficient photocatalyst for solar hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8674-8682.	7.1	57
78	Silica-Protected Ultrathin Ni ₃ FeN Nanocatalyst for the Efficient Hydrolytic Dehydrogenation of NH ₃ BH ₃ . <i>Advanced Energy Materials</i> , 2018, 8, 1702780.	19.5	66
79	Photothermal CO ₂ Hydrogenation: Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons (<i>Adv. Mater.</i> 3/2018). <i>Advanced Materials</i> , 2018, 30, 1870015.	21.0	3
80	Interface Engineering of High-Energy Faceted Co ₃ O ₄ /ZnO Heterostructured Catalysts Derived from Layered Double Hydroxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5259-5267.	3.7	42
81	Dual-mode emission of single-layered graphene quantum dots in confined nanospace: Anti-counterfeiting and sensor applications. <i>Nano Research</i> , 2018, 11, 2034-2045.	10.4	83
82	Highly Reversible Lithium Polysulfide Semiliquid Battery with Nitrogen-Rich Carbon Fiber Electrodes. <i>Energy Technology</i> , 2018, 6, 251-256.	3.8	11
83	Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons. <i>Advanced Materials</i> , 2018, 30, 1704663.	21.0	309
84	Synergies between Unsaturated Zn/Cu Doping Sites in Carbon Dots Provide New Pathways for Photocatalytic Oxidation. <i>ACS Catalysis</i> , 2018, 8, 747-753.	11.2	53
85	Single platinum atoms immobilized on an MXene as an efficient catalyst for the hydrogen evolution reaction. <i>Nature Catalysis</i> , 2018, 1, 985-992.	34.4	1,236
86	Cobalt-doped MnO ₂ ultrathin nanosheets with abundant oxygen vacancies supported on functionalized carbon nanofibers for efficient oxygen evolution. <i>Nano Energy</i> , 2018, 54, 129-137.	16.0	182
87	Photo-Driven Syngas Conversion to Lower Olefins over Oxygen-Decorated Fe ₅ C ₂ Catalyst. <i>CheM</i> , 2018, 4, 2917-2928.	11.7	62
88	Reductive Transformation of Layered-Double-Hydroxide Nanosheets to Fe-Based Heterostructures for Efficient Visible-Light Photocatalytic Hydrogenation of CO. <i>Advanced Materials</i> , 2018, 30, e1803127.	21.0	100
89	Photothermal Catalysis: Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins (<i>Adv. Mater.</i> 31/2018). <i>Advanced Materials</i> , 2018, 30, 1870230.	21.0	6
90	Fine Tuning the Heterostructured Interfaces by Topological Transformation of Layered Double Hydroxide Nanosheets. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10411-10420.	3.7	51

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91	Co-Based Catalysts Derived from Layered Double Hydroxide Nanosheets for the Photothermal Production of Light Olefins. <i>Advanced Materials</i> , 2018, 30, e1800527.	21.0	139
92	Unconventional Nickel Nitride Enriched with Nitrogen Vacancies as a High-Efficiency Electrocatalyst for Hydrogen Evolution. <i>Advanced Science</i> , 2018, 5, 1800406.	11.2	163
93	Preparation of 4,4'-diaminostilbene-2,2'-disulfonic acid intercalated LDH/polypropylene nanocomposites with enhanced UV absorption property. <i>Polymer Composites</i> , 2017, 38, 1937-1947.	4.6	16
94	Visible-light-driven overall water splitting with a largely-enhanced efficiency over a Cu ₂ O@ZnCr-layered double hydroxide photocatalyst. <i>Nano Energy</i> , 2017, 32, 463-469.	16.0	92
95	Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1605148.	21.0	1,616
96	Nickel-Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An All-pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1606521.	21.0	370
97	Cu-Doped Carbon Dots with Highly Ordered Alignment in Anisotropic Nano-Space for Improving the Photocatalytic Performance. <i>Solar Rrl</i> , 2017, 1, 1700029.	5.8	26
98	Photocatalysis: Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution (<i>Adv. Mater.</i> 16/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	10
99	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1700803.	21.0	311
100	Defect-Engineered Ultrathin MnO ₂ Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700005.	19.5	553
101	Heteroelement Y-doped Ni(OH) ₂ nanosheets with excellent pseudocapacitive performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10039-10047.	10.3	80
102	Sb ₂ O ₃ /MXene(Ti ₃ C ₂ T _x) hybrid anode materials with enhanced performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12445-12452.	10.3	245
103	Modified Tetrathiafulvalene as an Organic Conductor for Improving Performances of Li ⁺ O ₂ Batteries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8505-8509.	13.8	90
104	Modified Tetrathiafulvalene as an Organic Conductor for Improving Performances of Li ⁺ O ₂ Batteries. <i>Angewandte Chemie</i> , 2017, 129, 8625-8629.	2.0	11
105	Graphene with Atomic-Level In-Plane Decoration of h-BN Domains for Efficient Photocatalysis. <i>Chemistry of Materials</i> , 2017, 29, 2769-2776.	6.7	61
106	Naturally nitrogen doped porous carbon derived from waste shrimp shells for high-performance lithium ion batteries and supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 72-80.	4.4	156
107	Nitrogen-Doped Porous Carbon Nanosheets from Eco-Friendly Eucalyptus Leaves as High Performance Electrode Materials for Supercapacitors and Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 3683-3690.	3.3	132
108	A multi-functional gel co-polymer bridging liquid electrolyte and solid cathode nanoparticles: An efficient route to Li ⁺ O ₂ batteries with improved performance. <i>Energy Storage Materials</i> , 2017, 7, 1-7.	18.0	30

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109	Layered Double Hydroxide Nanosheets as Efficient Visible Light-Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	21.0	524
110	Fe ₃ C@nitrogen doped CNT arrays aligned on nitrogen functionalized carbon nanofibers as highly efficient catalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19672-19679.	10.3	109
111	Water Splitting: Defect-Engineered Ultrathin MnO ₂ Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting (<i>Adv. Energy Mater.</i> 18/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	6
112	NiFe Layered Double Hydroxide Nanoparticles on Co,N-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700467.	19.5	422
113	Back Cover: Solar RRL 5 th 2017. <i>Solar Rrl</i> , 2017, 1, 1770117.	5.8	0
114	Photocatalysts: Layered Double Hydroxide Nanosheets as Efficient Visible Light-Driven Photocatalysts for Dinitrogen Fixation (<i>Adv. Mater.</i> 42/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	3
115	Zinc-Air Batteries: NiFe Layered Double Hydroxide Nanoparticles on Co,N-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries (<i>Adv. Energy Mater.</i> 21/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	19.5	5
116	A Sustainable Strategy for the Synthesis of Pyrochlore H ₄ Nb ₂ O ₇ Hollow Microspheres as Photocatalysts for Overall Water Splitting. <i>ChemPlusChem</i> , 2017, 82, 181-185.	2.8	30
117	Fabrication of Zn-Ti layered double hydroxide by varying cationic ratio of Ti 4+ and its application as UV absorbent. <i>Chinese Chemical Letters</i> , 2017, 28, 394-399.	9.0	41
118	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	19.5	389
119	Controllable Synthesis of Ultrathin Transition-Metal Hydroxide Nanosheets and their Extended Composite Nanostructures for Enhanced Catalytic Activity in the Heck Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2167-2170.	13.8	105
120	Oxide-Modified Nickel Photocatalysts for the Production of Hydrocarbons in Visible Light. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4215-4219.	13.8	176
121	Well-Dispersed ZIF-Derived Co,Ni-Co-doped Carbon Nanoframes through Mesoporous-Silica-Protected Calcination as Efficient Oxygen Reduction Electrocatalysts. <i>Advanced Materials</i> , 2016, 28, 1668-1674.	21.0	663
122	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	19.5	253
123	Controllable Synthesis of Ultrathin Transition-Metal Hydroxide Nanosheets and their Extended Composite Nanostructures for Enhanced Catalytic Activity in the Heck Reaction. <i>Angewandte Chemie</i> , 2016, 128, 2207-2210.	2.0	13
124	Controllable Synthesis of Ultrathin Transition-Metal Hydroxide Nanosheets and their Extended Composite Nanostructures for Enhanced Catalytic Activity in the Heck Reaction (<i>Angew.</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>		
125	Hydrogen Evolution: CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution (<i>Adv. Energy Mater.</i> 3/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	3
126	Carbon Nanoframes: Well-Dispersed ZIF-Derived Co,Ni-Co-doped Carbon Nanoframes through Mesoporous-Silica-Protected Calcination as Efficient Oxygen Reduction Electrocatalysts (<i>Adv. Mater.</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 1</i>		

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127	Ultrafine NiO Nanosheets Stabilized by TiO ₂ from Monolayer NiTi-LDH Precursors: An Active Water Oxidation Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 6517-6524.	13.7	597
128	Smart Utilization of Carbon Dots in Semiconductor Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 9454-9477.	21.0	622
129	Electrospun cobalt embedded porous nitrogen doped carbon nanofibers as an efficient catalyst for water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12818-12824.	10.3	87
130	CoOOH ultrathin nanoflake arrays aligned on nickel foam: fabrication and use in high-performance supercapacitor devices. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12833-12840.	10.3	36
131	Carbon Nanosheets: Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C ₃ N ₄ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction (Adv. Mater. 25/2016). <i>Advanced Materials</i> , 2016, 28, 5140-5140.	21.0	44
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