

Tie-Rui Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6199350/publications.pdf>

Version: 2024-02-01

310
papers

42,354
citations

1099

112
h-index

2385

198
g-index

323
all docs

323
docs citations

323
times ranked

30412
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient photocatalytic aerobic oxidation of bisphenol A via gas-liquid-solid triphase interfaces. <i>Materials Today Energy</i> , 2022, 23, 100908.	4.7	12
2	Artificial photocatalytic nitrogen fixation: Where are we now? Where is its future?. <i>Molecular Catalysis</i> , 2022, 518, 112107.	2.0	11
3	Photothermal methane coupling into liquid fuels with hydrogen evolution over nanocatalysts based on layered double hydroxide (LDH). <i>Nanotechnology</i> , 2022, 33, 185401.	2.6	1
4	Atom manufacturing of photocatalyst towards solar CO ₂ reduction. <i>Reports on Progress in Physics</i> , 2022, 85, 026501.	20.1	8
5	Photothermal-Assisted Photocatalytic Nitrogen Oxidation to Nitric Acid on Palladium-Decorated Titanium Oxide. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
6	Vertical graphene array for efficient electrocatalytic reduction of oxygen to hydrogen peroxide. <i>Nano Energy</i> , 2022, 96, 107046.	16.0	37
7	Triphase Photocatalytic CO ₂ Reduction over Silver-Decorated Titanium Oxide at a Gas-Water Boundary. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	88
8	Triphase Photocatalytic CO ₂ Reduction over Silver-Decorated Titanium Oxide at a Gas-Water Boundary. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	33
9	A Review on the Bioinspired Photocatalysts and Photocatalytic Systems. <i>Advanced Sustainable Systems</i> , 2022, 6, .	5.3	22
10	Layered Double Hydroxide Engineering for the Photocatalytic Conversion of Inactive Carbon and Nitrogen Molecules. <i>ACS ES&T Engineering</i> , 2022, 2, 1088-1102.	7.6	12
11	Deciphering the Dynamic Structure Evolution of Fe- and Ni-Codoped CoS ₂ for Enhanced Water Oxidation. <i>ACS Catalysis</i> , 2022, 12, 3743-3751.	11.2	59
12	Strain Engineering: A Boosting Strategy for Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2200868.	21.0	82
13	Ordered PtFeIr Intermetallic Nanowires Prepared through a Silica-Protection Strategy for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	61
14	Carbon Dots as New Building Blocks for Electrochemical Energy Storage and Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	81
15	Fe Single-Atom Catalysts on MOF-Derived Carbon for Efficient Oxygen Reduction Reaction in Proton Exchange Membrane Fuel Cells. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	150
16	Ordered PtFeIr Intermetallic Nanowires Prepared through a Silica-Protection Strategy for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	8
17	Interfacial wettability and mass transfer characterizations for gas-liquid-solid triphase catalysis. <i>Exploration</i> , 2022, 2, .	11.0	21
18	Electronically Activated Fe ₅ C ₂ via N-Doped Carbon to Enhance Photothermal Syngas Conversion to Light Olefins. <i>ACS Catalysis</i> , 2022, 12, 5316-5326.	11.2	19

#	ARTICLE	IF	CITATIONS
19	Highly accessible and dense surface single metal FeN ₄ active sites for promoting the oxygen reduction reaction. Energy and Environmental Science, 2022, 15, 2619-2628.	30.8	82
20	Tailoring the microenvironment in Fe-N-C electrocatalysts for optimal oxygen reduction reaction performance. Science Bulletin, 2022, 67, 1264-1273.	9.0	36
21	Progress and Prospect of Photothermal Catalysis. Chemical Research in Chinese Universities, 2022, 38, 723-734.	2.6	34
22	NiFe Nanoalloys Derived from Layered Double Hydroxides for Photothermal Synergistic Reforming of CH ₄ with CO ₂ . Advanced Functional Materials, 2022, 32, .	14.9	35
23	Mesopore-Rich Fe-N-C Catalyst with FeN ₄ -O ₂ Single-Atom Sites Delivers Remarkable Oxygen Reduction Reaction Performance in Alkaline Media. Advanced Materials, 2022, 34, e2202544.	21.0	168
24	Unveiling the critical role of TiO ₂ -supported atomically dispersed Cu species for enhanced photofixation of N ₂ to nitrate. Fundamental Research, 2022, , .	3.3	1
25	Photodriven CO ₂ Hydrogenation into Diverse Products: Recent Progress and Perspective. Journal of Physical Chemistry Letters, 2022, 13, 5291-5303.	4.6	18
26	Light-Driven Hydrogen Production from Steam Methane Reforming via Bimetallic PdNi Catalysts Derived from Layered Double Hydroxide Nanosheets. Energy & Fuels, 2022, 36, 11627-11635.	5.1	28
27	Highly dispersed platinum deposited on nitrogen-doped vertical graphene array for efficient electrochemical hydrogen evolution. 2D Materials, 2022, 9, 045011.	4.4	5
28	A Reliable and Precise Protocol for Urea Quantification in Photo/Electrocatalysis. Small Methods, 2022, 6, .	8.6	26
29	Vacancy-Rich MXene-Immobilized Ni Single Atoms as a High-Performance Electrocatalyst for the Hydrazine Oxidation Reaction. Advanced Materials, 2022, 34, .	21.0	57
30	Synergistic effect of triphase interface and fluid control for efficient photosynthesis of residue-free H ₂ O ₂ . Applied Catalysis B: Environmental, 2022, 317, 121731.	20.2	10
31	Sub-3 nm Ultrafine Cu ₂ O for Visible Light Driven Nitrogen Fixation. Angewandte Chemie - International Edition, 2021, 60, 2554-2560.	13.8	134
32	A Metal-Segregation Approach to Generate CoMn Alloy for Enhanced Photothermal Conversion of Syngas to Light Olefins. Solar Rrl, 2021, 5, 2000488.	5.8	16
33	Enhanced solar photoreduction of CO ₂ to liquid fuel over rGO grafted NiO-CeO ₂ heterostructure nanocomposite. Nano Energy, 2021, 79, 105483.	16.0	51
34	Band structure engineering and defect control of Ta ₃ N ₅ with enhanced photoelectrochemical water oxidation performance. Science Bulletin, 2021, 66, 651-652.	9.0	3
35	Substitutionally Dispersed High-Oxidation CoO _x Clusters in the Lattice of Rutile TiO ₂ Triggering Efficient Co ₂ /Ti Cooperative Catalytic Centers for Oxygen Evolution Reactions. Advanced Functional Materials, 2021, 31, 2009610.	14.9	82
36	Electrocatalytic Oxygen Reduction to Hydrogen Peroxide: From Homogeneous to Heterogeneous Electrocatalysis. Advanced Energy Materials, 2021, 11, 2003323.	19.5	150

#	ARTICLE	IF	CITATIONS
37	Sub-3 nm Ultrafine Cu ₂ O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie</i> , 2021, 133, 2584-2590.	2.0	13
38	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie</i> , 2021, 133, 3327-3335.	2.0	189
39	Exploiting Ru-Induced Lattice Strain in CoRu Nanoalloys for Robust Bifunctional Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3290-3298.	13.8	254
40	Atomic-Level Charge Separation Strategies in Semiconductor-Based Photocatalysts. <i>Advanced Materials</i> , 2021, 33, e2005256.	21.0	215
41	Research Progress on Triphase Interface Electrocatalytic Carbon Dioxide Reduction. <i>Acta Chimica Sinica</i> , 2021, 79, 369.	1.4	4
42	Fe-Based Catalysts for the Direct Photohydrogenation of CO ₂ to Value-Added Hydrocarbons. <i>Advanced Energy Materials</i> , 2021, 11, 2002783.	19.5	90
43	Solar Photocatalysis. <i>Solar Rrl</i> , 2021, 5, 2100037.	5.8	16
44	Heterostructured MoSe ₂ /Oxygen-Terminated Ti ₃ C ₂ MXene Architectures for Efficient Electrocatalytic Hydrogen Evolution. <i>Energy & Fuels</i> , 2021, 35, 4609-4615.	5.1	76
45	Metal-support interactions in designing noble metal-based catalysts for electrochemical CO ₂ reduction: Recent advances and future perspectives. <i>Nano Research</i> , 2021, 14, 3795-3809.	10.4	80
46	Molten NaCl-Assisted Synthesis of Porous Fe-N Electrolytic Catalysts with a High Density of Catalytically Accessible FeN ₄ Active Sites and Outstanding Oxygen Reduction Reaction Performance. <i>Advanced Energy Materials</i> , 2021, 11, 2100219.	19.5	160
47	Electronically Modified Atomic Sites Within a Multicomponent Co/Cu Composite for Efficient Oxygen Electroreduction. <i>Advanced Energy Materials</i> , 2021, 11, 2100303.	19.5	61
48	Recent Advancements of Porphyrin-Like Single-Atom Catalysts: Synthesis and Applications. <i>Small Structures</i> , 2021, 2, 2100007.	12.0	77
49	Efficient Combination of G-C ₃ N ₄ and CDs for Enhanced Photocatalytic Performance: A Review of Synthesis, Strategies, and Applications. <i>Small</i> , 2021, 17, e2007523.	10.0	93
50	Noble-metal-free dye-sensitized selective oxidation of methane to methanol with green light (550 nm). <i>Nano Research</i> , 2021, 14, 4584-4590.	10.4	31
51	Recent Advances in Noncontact External-Field-Assisted Photocatalysis: From Fundamentals to Applications. <i>ACS Catalysis</i> , 2021, 11, 4739-4769.	11.2	173
52	Ni-based catalysts derived from layered-double-hydroxide nanosheets for efficient photothermal CO ₂ reduction under flow-type system. <i>Nano Research</i> , 2021, 14, 4828-4832.	10.4	62
53	MIL-101-Derived Mesoporous Carbon Supporting Highly Exposed Fe Single-Atom Sites as Efficient Oxygen Reduction Reaction Catalysts. <i>Advanced Materials</i> , 2021, 33, e2101038.	21.0	327
54	Rationally Designed Ni-Ni ₃ S ₂ Interfaces for Efficient Overall Water Electrolysis. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100078.	5.8	40

#	ARTICLE	IF	CITATIONS
55	Oxygen Reduction Reaction: Electronically Modified Atomic Sites Within a Multicomponent Co/Cu Composite for Efficient Oxygen Electoreduction (Adv. Energy Mater. 17/2021). Advanced Energy Materials, 2021, 11, 2170067.	19.5	2
56	In Situ Detection of Low Amounts of Ammonia. Trends in Chemistry, 2021, 3, 339-341.	8.5	7
57	Layered double hydroxide-based photocatalytic materials toward renewable solar fuels production. Informa- Mater, 2021, 3, 719-738.	17.3	105
58	Fe _{1-x} Ni _x C Electrocatalysts with Densely Accessible Fe ₄ Sites for Efficient Oxygen Reduction Reaction. Advanced Functional Materials, 2021, 31, 2102420.	14.9	110
59	Foreword to the Special Issue on Photocatalysis. Transactions of Tianjin University, 2021, 27, 279-279.	6.4	0
60	Nitrogen-doped Zn-Ni oxide for electrochemical reduction of carbon dioxide in sea water. Rare Metals, 2021, 40, 3117.	7.1	22
61	Engineering local coordination environments and site densities for high-performance Fe-N-C oxygen reduction reaction electrocatalysis. SmartMat, 2021, 2, 154-175.	10.7	81
62	Emerging Solar Photocatalysis. Solar Rrl, 2021, 5, 2100252.	5.8	5
63	Room-temperature electrochemical acetylene reduction to ethylene with high conversion and selectivity. Nature Catalysis, 2021, 4, 565-574.	34.4	121
64	Titanium-Supported Ni ₂ P/Ni Catalysts for Selective Solar-Driven CO Hydrogenation. Advanced Materials, 2021, 33, e2103248.	21.0	41
65	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. Angewandte Chemie - International Edition, 2021, 60, 21728-21731.	13.8	63
66	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. Angewandte Chemie, 2021, 133, 21896-21899.	2.0	8
67	Atomic Cation-Vacancy Engineering of NiFe-Layered Double Hydroxides for Improved Activity and Stability towards the Oxygen Evolution Reaction. Angewandte Chemie, 2021, 133, 24817-24824.	2.0	39
68	Photothermal-Assisted Triphase Photocatalysis Over a Multifunctional Bilayer Paper. Angewandte Chemie - International Edition, 2021, 60, 22963-22969.	13.8	76
69	Enhancing the Supply of Activated Hydrogen to Promote Photocatalytic Nitrogen Fixation. , 2021, 3, 1521-1527.		35
70	Atomic Cation-Vacancy Engineering of NiFe-Layered Double Hydroxides for Improved Activity and Stability towards the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2021, 60, 24612-24619.	13.8	259
71	Photothermal-Assisted Triphase Photocatalysis Over a Multifunctional Bilayer Paper. Angewandte Chemie, 2021, 133, 23145-23151.	2.0	12
72	Charge localization to optimize reactant adsorption on KCu ₇ S ₄ /CuO interfacial structure toward selective CO ₂ electroreduction. Applied Catalysis B: Environmental, 2021, 298, 120531.	20.2	25

#	ARTICLE	IF	CITATIONS
73	Three-phase electrochemistry for green ethylene production. <i>Current Opinion in Electrochemistry</i> , 2021, 30, 100789.	4.8	6
74	Three Phase Interface Engineering for Advanced Catalytic Applications. <i>ACS Applied Energy Materials</i> , 2021, 4, 1045-1052.	5.1	22
75	Flux-Assisted Low Temperature Synthesis of SnNb_2O_6 Nanoplates with Enhanced Visible Light Driven Photocatalytic H_2 -Production. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23219-23225.	3.1	8
76	A Rhenium Single-Atom Catalyst for the Electrocatalytic Oxygen Reduction Reaction. <i>ChemPlusChem</i> , 2021, 86, 1635-1639.	2.8	7
77	Nanostructured Photothermal Materials for Environmental and Catalytic Applications. <i>Molecules</i> , 2021, 26, 7552.	3.8	12
78	Hierarchical ultrathin carbon encapsulating transition metal doped MoP electrocatalysts for efficient and pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , 2020, 70, 104445.	16.0	118
79	Two-dimensional photocatalyst design: A critical review of recent experimental and computational advances. <i>Materials Today</i> , 2020, 34, 78-91.	14.2	253
80	Manganese Oxide Modified Nickel Catalysts for Photothermal CO Hydrogenation to Light Olefins. <i>Advanced Energy Materials</i> , 2020, 10, 1902860.	19.5	56
81	Wettability controlled photocatalytic reactive oxygen generation and <i>Klebsiella pneumoniae</i> inactivation over triphase systems. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118518.	20.2	52
82	A General Route to Prepare Low-Ruthenium-Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. <i>Angewandte Chemie</i> , 2020, 132, 1735-1743.	2.0	40
83	A General Route to Prepare Low-Ruthenium-Content Bimetallic Electrocatalysts for pH-Universal Hydrogen Evolution Reaction by Using Carbon Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1718-1726.	13.8	452
84	Hollow PtFe Alloy Nanoparticles Derived from $\text{Pt}_3\text{Fe}_3\text{O}_4$ Dimers through a Silica-Protection Reduction Strategy as Efficient Oxygen Reduction Electrocatalysts. <i>Chemistry - A European Journal</i> , 2020, 26, 4090-4096.	3.3	49
85	Effect of Support on Catalytic Performance of Photothermal Fischer-Tropsch Synthesis to Produce Lower Olefins over Fe ₅ C ₂ -based Catalysts. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1006-1012.	2.6	14
86	Underwater superaerophobic Ni nanoparticle-decorated nickel-molybdenum nitride nanowire arrays for hydrogen evolution in neutral media. <i>Nano Energy</i> , 2020, 78, 105375.	16.0	148
87	Alkali Etching of Layered Double Hydroxide Nanosheets for Enhanced Photocatalytic N_2 Reduction to NH_3 . <i>Advanced Energy Materials</i> , 2020, 10, 2002199.	19.5	185
88	Electrochemical urea production directly from N_2 and CO_2 in ambient aqueous media. <i>Science China Chemistry</i> , 2020, 63, 1580-1581.	8.2	7
89	Photocatalytic CO_2 Reduction to CO over Ni Single Atoms Supported on Defect-Rich Zirconia. <i>Advanced Energy Materials</i> , 2020, 10, 2002928.	19.5	263
90	Piezocatalysis and Piezo-Photocatalysis: Catalysts Classification and Modification Strategy, Reaction Mechanism, and Practical Application. <i>Advanced Functional Materials</i> , 2020, 30, 2005158.	14.9	435

#	ARTICLE	IF	CITATIONS
91	Perylene diimide self-assembly: From electronic structural modulation to photocatalytic applications. Journal of Semiconductors, 2020, 41, 091708.	3.7	11
92	Complex alloy nanostructures as advanced catalysts for oxygen electrocatalysis: from materials design to applications. Journal of Materials Chemistry A, 2020, 8, 23142-23161.	10.3	46
93	Recent Advances in the Development of Single-Atom Catalysts for Oxygen Electrocatalysis and Zinc-Air Batteries. Advanced Energy Materials, 2020, 10, 2003018.	19.5	181
94	Driving the Future with Photocatalytic Solar Fuels. ChemPhysChem, 2020, 21, 1081-1082.	2.1	0
95	Reassessing effects of Zn ²⁺ toward oxygen electrocatalytic activity in ternary spinel. Science Bulletin, 2020, 65, 974-976.	9.0	2
96	Recent Advances in Conjugated Polymers for Visible-Light-Driven Water Splitting. Advanced Materials, 2020, 32, e1907296.	21.0	279
97	Tubular assemblies of N-doped carbon nanotubes loaded with NiFe alloy nanoparticles as efficient bifunctional catalysts for rechargeable zinc-air batteries. Nanoscale, 2020, 12, 13129-13136.	5.6	110
98	Efficient wettability-controlled electroreduction of CO ₂ to CO at Au/C interfaces. Nature Communications, 2020, 11, 3028.	12.8	294
99	Evolution of Zn(II) single atom catalyst sites during the pyrolysis-induced transformation of ZIF-8 to N-doped carbons. Science Bulletin, 2020, 65, 1743-1751.	9.0	115
100	Revealing active sites in N-doped carbon for CO ₂ electroreduction by well-defined molecular model catalysts. Science Bulletin, 2020, 65, 781-782.	9.0	4
101	Recent advances in niobium-based semiconductors for solar hydrogen production. Coordination Chemistry Reviews, 2020, 419, 213399.	18.8	57
102	Photocatalytic alkane production from fatty acid decarboxylation over hydrogenated catalyst. Science Bulletin, 2020, 65, 870-871.	9.0	2
103	Dynamic changes of single-atom Pt-C ₃ N ₄ photocatalysts. Science Bulletin, 2020, 65, 1055-1056.	9.0	10
104	How to make use of methanol in green catalytic hydrogen production?. Nano Select, 2020, 1, 12-29.	3.7	60
105	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. Matter, 2020, 3, 571-585.	10.0	36
106	CoAl-layered double hydroxide nanosheet-based fluorescence assay for fast DNA detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118618.	3.9	13
107	Cooperation of oxygen vacancies and 2D ultrathin structure promoting CO ₂ photoreduction performance of Bi ₄ Ti ₃ O ₁₂ . Science Bulletin, 2020, 65, 934-943.	9.0	151
108	Single-atom Ni integrated gas diffusion electrode for high performance carbon dioxide electroreduction. Science Bulletin, 2020, 65, 696-697.	9.0	2

#	ARTICLE	IF	CITATIONS
109	FeOâ€CeO ₂ nanocomposites: an efficient and highly selective catalyst system for photothermal CO ₂ reduction to CO. NPG Asia Materials, 2020, 12, .	7.9	76
110	Facet-charge-induced coupling dependent interfacial photocharge separation: A case of BiOI/g-C ₃ N ₄ p-n junction. Applied Catalysis B: Environmental, 2020, 267, 118697.	20.2	202
111	Efficient Photocatalytic Nitrogen Fixation over Cu ⁺ -Modified Defective ZnAlâ€Layered Double Hydroxide Nanosheets. Advanced Energy Materials, 2020, 10, 1901973.	19.5	173
112	Macroscopic Spontaneous Polarization and Surface Oxygen Vacancies Collaboratively Boosting CO ₂ Photoreduction on BiOI/O ₃ Single Crystals. Advanced Materials, 2020, 32, e1908350.	21.0	372
113	Designed controllable nitrogen-doped carbon-dots-loaded MoP nanoparticles for boosting hydrogen evolution reaction in alkaline medium. Nano Energy, 2020, 72, 104730.	16.0	171
114	Highâ€Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Singleâ€Atom Catalysts with Tetradentate N ₂ O ₂ Coordination in a Threeâ€Phase Flow Cell. Angewandte Chemie, 2020, 132, 13157-13162.	2.0	16
115	Highâ€Efficiency Oxygen Reduction to Hydrogen Peroxide Catalyzed by Nickel Singleâ€Atom Catalysts with Tetradentate N ₂ O ₂ Coordination in a Threeâ€Phase Flow Cell. Angewandte Chemie - International Edition, 2020, 59, 13057-13062.	13.8	222
116	Selective photocatalytic CO ₂ reduction over Zn-based layered double hydroxides containing tri or tetravalent metals. Science Bulletin, 2020, 65, 987-994.	9.0	205
117	The Journey toward Low Temperature, Low Pressure Catalytic Nitrogen Fixation. Advanced Energy Materials, 2020, 10, 2000659.	19.5	127
118	Porous Ni ₅ P ₄ as a promising cocatalyst for boosting the photocatalytic hydrogen evolution reaction performance. Applied Catalysis B: Environmental, 2020, 275, 119144.	20.2	194
119	Energy-Efficient Hydrogen Production via Electrochemical Methanol Oxidation Using a Bifunctional Nickel Nanoparticle-Embedded Carbon Prism-Like Microrod Electrode. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	6
120	(Invited) Nanostructured Layered Double Hydroxide Based Photocatalysts for Solar Fuels and High-Value Chemicals. ECS Meeting Abstracts, 2020, MA2020-01, 1750-1750.	0.0	0
121	Noble-Metal-Free Electrocatalysis. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	4.9	1
122	Photocatalytic ammonia synthesis: Recent progress and future. EnergyChem, 2019, 1, 100013.	19.1	204
123	A universal ligand mediated method for large scale synthesis of transition metal single atom catalysts. Nature Communications, 2019, 10, 4585.	12.8	441
124	Self-crosslinking carbon dots loaded ruthenium dots as an efficient and super-stable hydrogen production electrocatalyst at all pH values. Nano Energy, 2019, 65, 104023.	16.0	117
125	Defect Engineering in Photocatalytic Nitrogen Fixation. ACS Catalysis, 2019, 9, 9739-9750.	11.2	286
126	Editorial for rare metals, special issue on photocatalysis. Rare Metals, 2019, 38, 359-360.	7.1	6

#	ARTICLE	IF	CITATIONS
127	A Nanozyme with Photo-enhanced Dual Enzyme-like Activities for Deep Pancreatic Cancer Therapy. <i>Angewandte Chemie</i> , 2019, 131, 12754-12761.	2.0	71
128	A Nanozyme with Photo-enhanced Dual Enzyme-like Activities for Deep Pancreatic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12624-12631.	13.8	345
129	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
130	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8443-8447.	13.8	37
131	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. <i>Angewandte Chemie</i> , 2019, 131, 8531-8535.	2.0	5
132	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. <i>Nano Research</i> , 2019, 12, 2385-2389.	10.4	192
133	Three-dimensional porous g-C ₃ N ₄ for highly efficient photocatalytic overall water splitting. <i>Nano Energy</i> , 2019, 59, 644-650.	16.0	553
134	Von Sonnenlicht zu Brennstoffen: aktuelle Fortschritte der C ₁ -Solarchemie. <i>Angewandte Chemie</i> , 2019, 131, 17690-17715.	2.0	31
135	From Solar Energy to Fuels: Recent Advances in Light-driven C ₁ Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17528-17551.	13.8	285
136	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
137	Intrinsic Carbon-defect-driven Electrocatalytic Reduction of Carbon Dioxide. <i>Advanced Materials</i> , 2019, 31, e1808276.	21.0	263
138	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
139	Pd Single-Atom Catalysts on Nitrogen-doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene. <i>Advanced Materials</i> , 2019, 31, e1900509.	21.0	262
140	Two-dimensional Sn ₂ Ta ₂ O ₇ nanosheets as efficient visible light-driven photocatalysts for hydrogen evolution. <i>Rare Metals</i> , 2019, 38, 397-403.	7.1	49
141	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
142	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
143	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 34, 57-63.	12.9	78
144	(Invited) Layered Double Hydroxide Based Nanostructured Photocatalysts for Efficient Solar Fuels. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0

#	ARTICLE	IF	CITATIONS
145	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	19.5	274
146	Self-assembling and photophysical properties of the organogelators based on cyanostyryl-substituted carbazoles. <i>Comptes Rendus Chimie</i> , 2018, 21, 88-96.	0.5	2
147	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
148	Template-free large-scale synthesis of g-C ₃ N ₄ microtubes for enhanced visible light-driven photocatalytic H ₂ production. <i>Nano Research</i> , 2018, 11, 3462-3468.	10.4	199
149	Photothermal CO ₂ Hydrogenation: Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons (Adv. Mater. 3/2018). <i>Advanced Materials</i> , 2018, 30, 1870015.	21.0	3
150	Readily achieving concentration-tunable oxygen vacancies in Bi ₂ O ₂ CO ₃ : Triple-functional role for efficient visible-light photocatalytic redox performance. <i>Applied Catalysis B: Environmental</i> , 2018, 226, 441-450.	20.2	169
151	3D reduced graphene oxide aerogel-mediated Z-scheme photocatalytic system for highly efficient solar-driven water oxidation and removal of antibiotics. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 562-573.	20.2	231
152	Two-step hydrothermal synthesis of Sn ₂ Nb ₂ O ₇ nanocrystals with enhanced visible-light-driven H ₂ evolution activity. <i>Chinese Journal of Catalysis</i> , 2018, 39, 395-400.	14.0	17
153	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
154	An ion-exchange strategy for I-doped BiO ₂ COOH nanoplates with enhanced visible light photocatalytic NO _x removal. <i>Pure and Applied Chemistry</i> , 2018, 90, 353-361.	1.9	12
155	Thickness-Dependent Facet Junction Control of Layered Bi ₂ O ₃ Single Crystals for Highly Efficient CO ₂ Photoreduction. <i>Advanced Functional Materials</i> , 2018, 28, 1804284.	14.9	358
156	Local spatial charge separation and proton activation induced by surface hydroxylation promoting photocatalytic hydrogen evolution of polymeric carbon nitride. <i>Nano Energy</i> , 2018, 50, 383-392.	16.0	226
157	A core-satellite structured Z-scheme catalyst Cd _{0.5} Zn _{0.5} S/BiVO ₄ for highly efficient and stable photocatalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16932-16942.	10.3	154
158	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
159	Photothermal Catalysis: Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins (Adv. Mater. 31/2018). <i>Advanced Materials</i> , 2018, 30, 1870230.	21.0	6
160	Anchored Cu(II) tetra(4-carboxylphenyl)porphyrin to P25 (TiO ₂) for efficient photocatalytic ability in CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 599-608.	20.2	143
161	Black phosphorus quantum dot/g-C ₃ N ₄ composites for enhanced CO ₂ photoreduction to CO. <i>Science China Materials</i> , 2018, 61, 1159-1166.	6.3	126
162	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

#	ARTICLE	IF	CITATIONS
163	Nanocrystals@Hollow Mesoporous Silica Reverseâ€•Bumpyâ€•Ball Structure Nanoreactors by a Versatile Microemulsionâ€•Templated Approach. <i>Small Methods</i> , 2018, 2, 1800105.	8.6	23
164	Evolution of thiolate-stabilized Ag nanoclusters from Ag-thiolate cluster intermediates. <i>Nature Communications</i> , 2018, 9, 2379.	12.8	60
165	â€œNakedâ€•Magnetically Recyclable Mesoporous Auâ€•Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. <i>Advanced Functional Materials</i> , 2017, 27, 1606215.	14.9	85
166	Alkaliâ€•Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visibleâ€•Lightâ€•Driven Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1605148.	21.0	1,616
167	Catalysts: â€œNakedâ€•Magnetically Recyclable Mesoporous Auâ€•Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System (<i>Adv. Funct. Mater.</i> 9/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	1
168	Nickelâ€•Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An Allâ€•pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1606521.	21.0	370
169	Readily attainable spongy foam photocatalyst for promising practical photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2017, 208, 75-81.	20.2	43
170	Photocatalysis: Alkaliâ€•Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visibleâ€•Lightâ€•Driven Hydrogen Evolution (<i>Adv. Mater.</i> 16/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	10
171	Selfâ€•Assembled Au/CdSe Nanocrystal Clusters for Plasmonâ€•Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1700803.	21.0	311
172	Defectâ€•Engineered Ultrathin Î€MnO ₂ Nanosheet Arrays as Bifunctional Electrodes for Efficient Overall Water Splitting. <i>Advanced Energy Materials</i> , 2017, 7, 1700005.	19.5	553
173	Electrocatalysts: Nickelâ€•Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An Allâ€•pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784914 rgBT#6 Overlook	21.0	416
174	Precursor-reforming protocol to 3D mesoporous g-C 3 N 4 established by ultrathin self-doped nanosheets for superior hydrogen evolution. <i>Nano Energy</i> , 2017, 38, 72-81.	16.0	596
175	Graphene with Atomic-Level In-Plane Decoration of <i>h</i>-BN Domains for Efficient Photocatalysis. <i>Chemistry of Materials</i> , 2017, 29, 2769-2776.	6.7	61
176	Layeredâ€•Doubleâ€•Hydroxide Nanosheets as Efficient Visibleâ€•Lightâ€•Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	21.0	524
177	Intermediate-mediated strategy to horn-like hollow mesoporous ultrathin g-C3N4 tube with spatial anisotropic charge separation for superior photocatalytic H2 evolution. <i>Nano Energy</i> , 2017, 41, 738-748.	16.0	215
178	3D carbon nanoframe scaffold-immobilized Ni3FeN nanoparticle electrocatalysts for rechargeable zinc-air batteriesâ€•TM cathodes. <i>Nano Energy</i> , 2017, 40, 382-389.	16.0	153
179	Achieving UV and visible-light photocatalytic activity enhancement of AgI/BiOI/O 3 heterostructure: Decomposition for diverse industrial contaminants and high mineralization ability. <i>Chinese Chemical Letters</i> , 2017, 28, 2244-2250.	9.0	44
180	Water Splitting: Defectâ€•Engineered Ultrathin Î€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

#	ARTICLE	IF	CITATIONS
181	Recent Progress in Photocatalytic CO ₂ Reduction Over Perovskite Oxides. Solar Rrl, 2017, 1, 1700126.	5.8	224
182	NiFe Layered Double Hydroxide Nanoparticles on Co,Ni-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries. Advanced Energy Materials, 2017, 7, 1700467.	19.5	422
183	Macroscopic Polarization Enhancement Promoting Photo- and Piezoelectric-Induced Charge Separation and Molecular Oxygen Activation. Angewandte Chemie - International Edition, 2017, 56, 11860-11864.	13.8	850
184	Macroscopic Polarization Enhancement Promoting Photo- and Piezoelectric-Induced Charge Separation and Molecular Oxygen Activation. Angewandte Chemie, 2017, 129, 12022-12026.	2.0	73
185	Effect of Nitrogen Doping Level on the Performance of N-Doped Carbon Quantum Dot/TiO ₂ Composites for Photocatalytic Hydrogen Evolution. ChemSusChem, 2017, 10, 4650-4656.	6.8	171
186	Fabrication of Heterogeneous-Phase Solid-Solution Promoting Band Structure and Charge Separation for Enhancing Photocatalytic CO ₂ Reduction: A Case of Zn _{1-x} Ca _x In ₂ S ₄ . ACS Applied Materials & Interfaces, 2017, 9, 27773-27783.	8.0	68
187	Template-free precursor-surface-etching route to porous, thin g-C ₃ N ₄ nanosheets for enhancing photocatalytic reduction and oxidation activity. Journal of Materials Chemistry A, 2017, 5, 17452-17463.	10.3	324
188	Single-unit-cell layer established Bi ₂ WO ₆ 3D hierarchical architectures: Efficient adsorption, photocatalysis and dye-sensitized photoelectrochemical performance. Applied Catalysis B: Environmental, 2017, 219, 526-537.	20.2	264
189	Controllable synthesis of multi-responsive ferroelectric layered perovskite-like Bi ₄ Ti ₃ O ₁₂ : Photocatalysis and piezoelectric-catalysis and mechanism insight. Applied Catalysis B: Environmental, 2017, 219, 550-562.	20.2	215
190	Carbon Dioxide Utilization Coming of Age. ChemPhysChem, 2017, 18, 3091-3093.	2.1	22
191	Photocatalysts: Layered Double Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation (Adv. Mater. 42/2017). Advanced Materials, 2017, 29, .	21.0	3
192	Zinc-Air Batteries: NiFe Layered Double Hydroxide Nanoparticles on Co,Ni-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries (Adv. Energy Mater. 21/2017). Advanced Energy Materials, 2017, 7, .	19.5	5
193	Rational design on 3D hierarchical bismuth oxyiodides via in situ self-template phase transformation and phase-junction construction for optimizing photocatalysis against diverse contaminants. Applied Catalysis B: Environmental, 2017, 203, 879-888.	20.2	289
194	A Sustainable Strategy for the Synthesis of Pyrochlore H ₄ Nb ₂ O ₇ Hollow Microspheres as Photocatalysts for Overall Water Splitting. ChemPlusChem, 2017, 82, 181-185.	2.8	30
195	Multishelled Ni-Rich Li(Ni _x Co _y Mn _z)O ₂ Hollow Fibers with Low Cation Mixing as High-Performance Cathode Materials for Li-Ion Batteries. Advanced Science, 2017, 4, 1600262.	11.2	172
196	Chlorine intercalation in graphitic carbon nitride for efficient photocatalysis. Applied Catalysis B: Environmental, 2017, 203, 465-474.	20.2	328
197	Dual redox couples Ag/Ag ⁺ and I ⁻ /IO ₃ ⁻ self-sacrificed transformation for realizing multiplex hierarchical architectures with universally powerful photocatalytic performance. Applied Catalysis B: Environmental, 2017, 200, 620-632.	20.2	44
198	Lattice Engineering on Catalytic Sites for Achieving Highly Selective Photocatalytic CO ₂ Conversion. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 863-864.	4.9	1

#	ARTICLE	IF	CITATIONS
199	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	19.5	389
200	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
201	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
202	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
203	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	19.5	253
204	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
205	Controllable Synthesis of Ultrathin Transition-Metal Hydroxide Nanosheets and their Extended Composite Nanostructures for Enhanced Catalytic Activity in the Heck Reaction (<i>Angew.</i>)	1.0	0
206	Facile In Situ Self-Sacrifice Approach to Ternary Hierarchical Architecture Ag/AgX (X = Cl, Br).	6.7	65
207	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
208	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>)	1.0	0
209	Achieving tunable photocatalytic activity enhancement by elaborately engineering composition-adjustable polynary heterojunctions photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 62-73.	20.2	73
210	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
211	Phototherapy: Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy (<i>Adv. Mater.</i> 38/2016). <i>Advanced Materials</i> , 2016, 28, 8318-8318.	21.0	5
212	Frontispiz: Thiolate-Mediated Photoinduced Synthesis of Ultrafine Ag ₂ S Quantum Dots from Silver Nanoparticles. <i>Angewandte Chemie</i> , 2016, 128, .	2.0	0
213	Smart Utilization of Carbon Dots in Semiconductor Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 9454-9477.	21.0	622
214	Metal-Organic-Framework-Derived Mesoporous Carbon Nanospheres Containing Porphyrin-Like Metal Centers for Conformal Phototherapy. <i>Advanced Materials</i> , 2016, 28, 8379-8387.	21.0	264
215	Carbon Nanosheets: Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C ₃ N ₄ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction (<i>Adv. Mater.</i> 25/2016). <i>Advanced Materials</i> , 2016, 28, 5140-5140.	21.0	44
216	Frontispiece: Thiolate-Mediated Photoinduced Synthesis of Ultrafine Ag ₂ S Quantum Dots from Silver Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	13.8	0

#	ARTICLE	IF	CITATIONS
235	Ultraviolet photodetectors with high photosensitivity based on type-II ZnS/SnO ₂ core/shell heterostructured ribbons. <i>Nanoscale</i> , 2015, 7, 5311-5319.	5.6	35
236	Highly luminescent nitrogen-doped carbon quantum dots as effective fluorescent probes for mercuric and iodide ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1922-1928.	5.5	173
237	Highly Efficient Bi ₂ O ₂ CO ₃ Single-Crystal Lamellas with Dominantly Exposed {001} Facets. <i>Crystal Growth and Design</i> , 2015, 15, 534-537.	3.0	99
238	Novel Y doped Bi ₂ WO ₆ photocatalyst: Hydrothermal fabrication, characterization and enhanced visible-light-driven photocatalytic activity for Rhodamine B degradation and photocurrent generation. <i>Materials Characterization</i> , 2015, 101, 166-172.	4.4	60
239	Flower-like CdSe ultrathin nanosheet assemblies for enhanced visible-light-driven photocatalytic H ₂ production. <i>Chemical Communications</i> , 2015, 51, 4677-4680.	4.1	53
240	Mediator-free direct Z-scheme photocatalytic system: BiVO ₄ /g-C ₃ N ₄ organic-inorganic hybrid photocatalyst with highly efficient visible-light-induced photocatalytic activity. <i>Dalton Transactions</i> , 2015, 44, 4297-4307.	3.3	326
241	Ni ³⁺ doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015, 7, 7168-7173.	5.6	127
242	In Situ Co-Crystallization for Fabrication of g-C ₃ N ₄ /Bi ₅ O ₇ I Heterojunction for Enhanced Visible-Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17156-17165.	3.1	165
243	In situ co-pyrolysis fabrication of CeO ₂ /g-C ₃ N ₄ n type heterojunction for synchronously promoting photo-induced oxidation and reduction properties. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17120-17129.	10.3	319
244	Copper(II) cysteine complexes: efficient earth-abundant oxidation co-catalysts for visible light-driven photocatalytic H ₂ production. <i>Chemical Communications</i> , 2015, 51, 12556-12559.	4.1	47
245	Layered MoS ₂ nanoparticles on TiO ₂ nanotubes by a photocatalytic strategy for use as high-performance electrocatalysts in hydrogen evolution reactions. <i>Green Chemistry</i> , 2015, 17, 2764-2768.	9.0	64
246	Architecture-controlled synthesis of M _x O _y (M = Ni, Fe, Cu) microfibrils from seaweed biomass for high-performance lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22708-22715.	10.3	75
247	Bi ₂ O ₂ (OH)(NO ₃) as a desirable [Bi ₂ O ₂] ²⁺ layered photocatalyst: strong intrinsic polarity, rational band structure and {001} active facets co-beneficial for robust photooxidation capability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24547-24556.	10.3	352
248	Moderate band-gap-broadening induced high separation of electron-hole pairs in Br substituted BiOI: a combined experimental and theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3673-3679.	2.8	53
249	A Versatile "Click Chemistry" Route to Size-Restricted, Robust, and Functionalizable Hydrophilic Nanocrystals. <i>Small</i> , 2015, 11, 1644-1648.	10.0	12
250	Underwater superoleophobic porous membrane based on hierarchical TiO ₂ nanotubes: multifunctional integration of oil-water separation, flow-through photocatalysis and self-cleaning. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1279-1286.	10.3	204
251	Controllable sonochemical synthesis of Cu ₂ O/Cu ₂ (OH) ₃ NO ₃ composites toward synergy of adsorption and photocatalysis. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 234-240.	20.2	48
252	Nanoparticles: Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light (Adv. Mater. 32/2014). <i>Advanced Materials</i> , 2014, 26, 5731-5731.	21.0	0

#	ARTICLE	IF	CITATIONS
253	Carbon quantum dots/TiO ₂ composites for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2014, 2, 3344.	10.3	601
254	One-Pot Hydrothermal Synthesis and Photocatalytic Hydrogen Evolution of Pyrochlore Type K ₂ Nb ₂ O ₆ . Chinese Journal of Chemistry, 2014, 32, 485-490.	4.9	24
255	C ₃ -Symmetrical Cyano-Substituted Triphenylbenzenes for Organogels and Organic Nanoparticles with Controllable Fluorescence and Aggregation-Induced Emission. European Journal of Organic Chemistry, 2014, 2014, 2907-2916.	2.4	17
256	Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light. Advanced Materials, 2014, 26, 5613-5618.	21.0	112
257	Graphene-Supported Ultrafine Metal Nanoparticles Encapsulated by Mesoporous Silica: Robust Catalysts for Oxidation and Reduction Reactions. Angewandte Chemie - International Edition, 2014, 53, 250-254.	13.8	384
258	Mesoporous plasmonic Au-loaded Ta ₂ O ₅ nanocomposites for efficient visible light photocatalysis. Catalysis Today, 2014, 225, 158-163.	4.4	82
259	Cu ₂ O Film via Hydrothermal Redox Approach: Morphology and Photocatalytic Performance. Journal of Physical Chemistry C, 2014, 118, 16335-16343.	3.1	95
260	Broadband Visible-Light-Harvesting trans-Bis(alkylphosphine) Platinum(II)-Alkynyl Complexes with Singlet Energy Transfer between BODIPY and Naphthalene Diimide Ligands. Chemistry - A European Journal, 2014, 20, 14282-14295.	3.3	27
261	Facile preparation of black Nb ⁴⁺ -self-doped K ₄ Nb ₆ O ₁₇ microspheres with high solar absorption and enhanced photocatalytic activity. Chemical Communications, 2014, 50, 9554.	4.1	92
262	Fabrication of Versatile Cyclodextrin-Functionalized Upconversion Luminescence Nanoplatfrom for Biomedical Imaging. Analytical Chemistry, 2014, 86, 6508-6515.	6.5	51
263	A mild one-step solvothermal route to truncated octahedral magnetite crystals. Particuology, 2014, 15, 51-55.	3.6	9
264	Two-component gel of a D-TC-A-TC-D carbazole donor and a fullerene acceptor. RSC Advances, 2013, 3, 26403.	3.6	35
265	Facile synthesis of hierarchical ZnIn ₂ S ₄ submicrospheres composed of ultrathin mesoporous nanosheets as a highly efficient visible-light-driven photocatalyst for H ₂ production. Journal of Materials Chemistry A, 2013, 1, 4552.	10.3	166
266	Type-II ZnO nanorod-SnO ₂ nanoparticle heterostructures: characterization of structural, optical and photocatalytic properties. Nanoscale, 2013, 5, 3828.	5.6	48
267	Low-temperature crystallization of anodized TiO ₂ nanotubes at the solid-gas interface and their photoelectrochemical properties. Nanoscale, 2013, 5, 6139.	5.6	26
268	Amplifying Emission Enhancement and Proton Response in a Two-Component Gel. Langmuir, 2013, 29, 417-425.	3.5	57
269	Bubble template synthesis of Sn ₂ Nb ₂ O ₇ hollow spheres for enhanced visible-light-driven photocatalytic hydrogen production. Chemical Communications, 2013, 49, 9872.	4.1	84
270	Heterogeneous 3-D nanotubular arrays of CdS-TiO ₂ : efficient collections of reflection light for enhanced photoelectric output. Journal of Materials Chemistry, 2012, 22, 22120.	6.7	12

#	ARTICLE	IF	CITATIONS
271	Magnetically recyclable nanocatalysts (MRNCs): a versatile integration of high catalytic activity and facile recovery. <i>Nanoscale</i> , 2012, 4, 6244.	5.6	143
272	Enhanced electrocatalytic activity of Pt-nanostructures prepared by electrodeposition using poly(vinyl pyrrolidone) as a shape-control agent. <i>Electrochimica Acta</i> , 2012, 83, 383-386.	5.2	13
273	Shape-controlled synthesis of polyhedral 50-facet Cu ₂ O microcrystals with high-index facets. <i>CrystEngComm</i> , 2012, 14, 4431.	2.6	70
274	Hydrothermal synthesis and structure evolution of hierarchical cobalt sulfidenanostructures. <i>Dalton Transactions</i> , 2011, 40, 243-248.	3.3	146
275	Nanostructured porous ZnO film with enhanced photocatalytic activity. <i>Thin Solid Films</i> , 2011, 519, 5673-5678.	1.8	66
276	Control over the permeation of silica nanoshells by surface-protected etching with water. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11836.	2.8	116
277	Shape Effects of Cu ₂ O Polyhedral Microcrystals on Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5073-5079.	3.1	359
278	Organized Nanostructured Complexes of Polyoxometalates and Surfactants that Exhibit Photoluminescence and Electrochromism. <i>Advanced Functional Materials</i> , 2009, 19, 642-652.	14.9	141
279	Fluorescence Signal Amplification by Cation Exchange in Ionic Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1588-1591.	13.8	60
280	Silver decorated γ -manganese dioxide nanorods for alkaline battery cathode. <i>Journal of Power Sources</i> , 2009, 186, 532-538.	7.8	18
281	Towards functional nanostructures: Ionic self-assembly of polyoxometalates and surfactants. <i>Current Opinion in Colloid and Interface Science</i> , 2009, 14, 62-70.	7.4	56
282	A Self-Templated Route to Hollow Silica Microspheres. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3168-3175.	3.1	243
283	Formation of Hollow Silica Colloids through a Spontaneous Dissolution-Regrowth Process. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5806-5811.	13.8	305
284	Core-Satellite Nanocomposite Catalysts Protected by a Porous Silica Shell: Controllable Reactivity, High Stability, and Magnetic Recyclability. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8924-8928.	13.8	444
285	A Blown Film Process to Disk-Shaped Polymer Ellipsoids. <i>Advanced Materials</i> , 2008, 20, 4599-4602.	21.0	44
286	Size-controlled synthesis of highly water-soluble silver nanocrystals. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1524-1529.	2.9	43
287	Permeable Silica Shell through Surface-Protected Etching. <i>Nano Letters</i> , 2008, 8, 2867-2871.	9.1	561
288	TiO ₂ nanoparticles as a soft X-ray molecular probe. <i>Chemical Communications</i> , 2008, , 2471.	4.1	35

#	ARTICLE	IF	CITATIONS
289	Self-Assembly and Field-Responsive Optical Diffractions of Superparamagnetic Colloids. <i>Langmuir</i> , 2008, 24, 3671-3680.	3.5	133
290	Multifunctional Nanowire Bioscaffolds on Titanium. <i>Chemistry of Materials</i> , 2007, 19, 4454-4459.	6.7	102
291	Kinetically Probing Site-Specific Heterogeneous Nucleation and Hierarchical Growth of Nanobranches. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13691-13695.	3.1	22
292	Future Approaches of Nanomedicine in Clinical Science. <i>Medical Clinics of North America</i> , 2007, 91, 963-1016.	2.5	19
293	A Self-Templated Approach to TiO ₂ Microcapsules. <i>Nano Letters</i> , 2007, 7, 1832-1836.	9.1	135
294	A General Approach for Transferring Hydrophobic Nanocrystals into Water. <i>Nano Letters</i> , 2007, 7, 3203-3207.	9.1	348
295	Superparamagnetic Composite Colloids with Anisotropic Structures. <i>Journal of the American Chemical Society</i> , 2007, 129, 8974-8975.	13.7	224
296	Site-Specific Nucleation and Growth Kinetics in Hierarchical Nanosyntheses of Branched ZnO Crystallites. <i>Journal of the American Chemical Society</i> , 2006, 128, 10960-10968.	13.7	360
297	Multifunctional, Catalytic Nanowire Membranes and the Membrane-Based 3D Devices. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16819-16822.	2.6	70
298	Biocompatible nanofiber scaffolds on metal for controlled release and cell colonization. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2006, 2, 248-252.	3.3	22
299	Design and hierarchical synthesis of branched heteromicrostructures. <i>Smart Materials and Structures</i> , 2006, 15, N46-N50.	3.5	11
300	Highly Photoluminescent Polyoxometaloeuropate-Surfactant Complexes by Ionic Self-Assembly. <i>Chemistry - A European Journal</i> , 2005, 11, 1001-1009.	3.3	159
301	Evaluation of photochromic properties in heteropolyoxometallate-based inorganic polymeric thin films. <i>Materials Chemistry and Physics</i> , 2003, 77, 294-298.	4.0	23
302	Preparation of Au nanoparticles in the presence of low generational poly(amidoamine) dendrimer with surface hydroxyl groups. <i>Materials Chemistry and Physics</i> , 2003, 81, 160-165.	4.0	47
303	Hyperbranched poly(amine-ester) templates for the synthesis of Au nanoparticles. <i>Materials Chemistry and Physics</i> , 2003, 82, 812-817.	4.0	26
304	Photochromic polyoxotungstoeuropate K ₁₂ [EuP ₅ W ₃ O ₁₁]/polyvinylpyrrolidone nanocomposite films. <i>Journal of Solid State Chemistry</i> , 2003, 172, 458-463.	2.9	43
305	Highly ordered photoluminescent self-assembled films based on polyoxotungstoeuropate complex Na ₉ [EuW ₁₀ O ₃₆]Electronic supplementary information (ESI) available: IR, absorption and emission spectra, XRD pattern and SEM image of EuW ₁₀ O ₃₆ -C ₁₆ TA film. See www.rsc.org/suppdata/jm/b2/b210965d/ . <i>Journal of Materials Chemistry</i> , 2003, 13, 580-584.	6.7	41
306	Synthesis of hyperbranched poly(amine-ester)-protected noble metal nanoparticles in aqueous solution. <i>Journal of Materials Research</i> , 2003, 18, 1392-1398.	2.6	8

#	ARTICLE	IF	CITATIONS
307	Ultrasound-induced change of microstructure and photochromic properties of polyacrylamide thin films containing a polyoxometalate. Journal of Materials Research, 2003, 18, 709-713.	2.6	9
308	Self-assembled organic–inorganic composite superlattice thin films incorporating photo- and electro-chemically active phosphomolybdate anion. Journal of Materials Chemistry, 2002, 12, 1453-1458.	6.7	38
309	Thermochromic Organoaminommodified Silica Composite Films Containing Phosphomolybdic Acid. Journal of Solid State Chemistry, 2002, 166, 259-263.	2.9	25
310	Multilayer films of cationic surfactants incorporating polyoxometalate on electrodes. Journal of Solid State Electrochemistry, 2002, 7, 25-29.	2.5	12