

Hexing Li

List of Publications by Year in descending order

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papers

14,632
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13865

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all docs

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docs citations

230
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrocatalytic Reduction of CO ₂ to Syngas via SnO _x -Enhanced Cu ₂ O Nanowires Photocathodes. <i>Advanced Functional Materials</i> , 2022, 32, 2109600.	14.9	42
2	Blue Energy for Green Hydrogen Fuel: A Self-Powered Electrochemical Conversion System Driven by Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	52
3	Fully biodegradable water-soluble triboelectric nanogenerator for human physiological monitoring. <i>Nano Energy</i> , 2022, 93, 106787.	16.0	55
4	Microwave-Positioning Assembly: Structure and Surface Optimizations for Catalysts. <i>Small Structures</i> , 2022, 3, .	12.0	6
5	Microwave one-pot synthesis of CNT-supported amorphous Ni-P alloy nanoparticles with enhanced hydrogenation performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 6560-6568.	10.3	10
6	Potassium as a Versatile Promoter to Tailor the Distribution of the Olefins in CO ₂ Hydrogenation over Iron-Based Catalyst. <i>ChemCatChem</i> , 2022, 14, .	3.7	10
7	CO ₂ conversion via dry reforming of methane on a core-shell Ru@SiO ₂ catalyst. <i>Journal of CO₂ Utilization</i> , 2022, 57, 101893.	6.8	18
8	Polarization field promoted photoelectrocatalysis for synergistic environmental remediation and H ₂ production. <i>Chemical Engineering Journal</i> , 2022, 437, 135132.	12.7	20
9	Systematic Assessment of Precious Metal Recovery to Improve Environmental and Resource Protection. <i>ACS ES&T Engineering</i> , 2022, 2, 1039-1052.	7.6	22
10	Carbon Nanotube-Threaded Mesocrystalline CeO ₂ for Enhanced Photocatalytic NO Removal. <i>ACS Applied Nano Materials</i> , 2022, 5, 3581-3590.	5.0	12
11	Aqueous Photocatalytic Recycling of Gold and Palladium from Waste Electronics and Catalysts. <i>ACS ES&T Engineering</i> , 2022, 2, 1445-1453.	7.6	11
12	The Fluorine-Rich Electrolyte as an Interface Modifier to Stabilize Lithium Metal Battery at Ultra-Low Temperature. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	38
13	Photoelectrocatalytic sterilization on thorn-like ZIF-67/ZnO hybrid photoanodes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107385.	6.7	8
14	Bimetallic CoxCu _y -CAT-1 metal-organic frameworks for synergistic antibacterial contribution of photocatalytic-photothermal effect. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107582.	6.7	6
15	Singlet Oxygen and Mobile Hydroxyl Radicals Co-operating on Gas-Solid Catalytic Reaction Interfaces for Deeply Oxidizing NO _x . <i>Environmental Science & Technology</i> , 2022, 56, 5830-5839.	10.0	22
16	Challenges of photocatalysis and their coping strategies. <i>Chem Catalysis</i> , 2022, 2, 1315-1345.	6.1	83
17	Rutile TiO ₂ nanorods grown on carbon nanotubes as high-performance lithium-ion batteries anode via one-dimensional electron pathways. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 103, 437-446.	2.4	3
18	A novel ternary MQDs/NCDs/TiO ₂ nanocomposite that collaborates with activated persulfate for efficient RhB degradation under visible light irradiation. <i>New Journal of Chemistry</i> , 2021, 45, 1327-1338.	2.8	17

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19	Dual electrocatalytic heterostructures for efficient immobilization and conversion of polysulfides in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18477-18487.	10.3	15
20	Electrospun Polymer Nanofibers with TiO ₂ @NiCo-LDH as Efficient Polysulfide Barriers for Wide-Temperature-Range Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2734-2744.	8.0	37
21	Improved Degradation Efficiency of Levofloxacin by a Self-Powered Electrochemical System with Pulsed Direct-Current. <i>ACS Nano</i> , 2021, 15, 5478-5485.	14.6	25
22	Selective recovery of precious metals through photocatalysis. <i>Nature Sustainability</i> , 2021, 4, 618-626.	23.7	188
23	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS ₃ nanobelts. <i>Nature Communications</i> , 2021, 12, 2039.	12.8	90
24	Controlling the Gas-Water Interface to Enhance Photocatalytic Degradation of Volatile Organic Compounds. <i>ACS ES&T Engineering</i> , 2021, 1, 1140-1148.	7.6	23
25	Power Management and Reaction Optimization for a Self-Powered Electrochemical System Driven by a Triboelectric Nanogenerator. <i>Nano Letters</i> , 2021, 21, 5633-5640.	9.1	22
26	One-pot synthesis of 3D porous Bi ₂ O ₃ /N-doped graphene aerogel with enhanced photocatalytic activity for organic dye degradation in wastewater. <i>Ceramics International</i> , 2021, 47, 19556-19566.	4.8	17
27	<i>In Situ</i> Synthesis of a Li _{6.4} La ₃ Zr _{1.4} Ta _{0.6} O ₁₂ /Poly(vinylene) Tj ETQq1 1.0.784314.rgBT /O Energy Materials. 2021, 4, 9368-9375.	5.1	15
28	1T and 2H mixed phase MoS ₂ nanobelts coupled with Ti ³⁺ self-doped TiO ₂ nanosheets for enhanced photocatalytic degradation of RhB under visible light. <i>Applied Surface Science</i> , 2021, 556, 149768.	6.1	38
29	Pressure-dependent band-bending in ZnO: A near-ambient-pressure X-ray photoelectron spectroscopy study. <i>Journal of Energy Chemistry</i> , 2021, 60, 25-31.	12.9	3
30	Heterostructuring Mesoporous 2D Iridium Nanosheets with Amorphous Nickel Boron Oxide Layers to Improve Electrolytic Water Splitting. <i>Small Methods</i> , 2021, 5, e2100679.	8.6	40
31	A novel amorphous alloy photocatalyst (NiB/In ₂ O ₃) composite for sunlight-induced CO ₂ hydrogenation to HCOOH. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120603.	20.2	49
32	Self-Driven Reactive Oxygen Species Generation via Interfacial Oxygen Vacancies on Carbon-Coated TiO ₂ with Versatile Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2033-2043.	8.0	34
33	Precious metal recovery. <i>Joule</i> , 2021, 5, 3097-3115.	24.0	79
34	Divergent Synthesis of Contorted Polycyclic Aromatics Containing Pentagons, Heptagon, and/or Azulene. <i>Organic Letters</i> , 2021, , .	4.6	8
35	Long-Life and High-Rate-Charging Lithium Metal Batteries Enabled by a Flexible Active Solid Electrolyte Interphase Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60678-60688.	8.0	9
36	Novel S-doped ordered mesoporous carbon nanospheres toward advanced lithium metal anodes. <i>Nano Energy</i> , 2020, 69, 104443.	16.0	52

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37	A mesoporous non-precious metal boride system: synthesis of mesoporous cobalt boride by strictly controlled chemical reduction. <i>Chemical Science</i> , 2020, 11, 791-796.	7.4	58
38	Cooperation between inside and outside of TiO ₂ : Lattice Cu ⁺ accelerates carrier migration to the surface of metal copper for photocatalytic CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118515.	20.2	93
39	Primary amine-functionalized mesoporous phenolic resin as an effective and stable solid base catalyst for Knoevenagel reactions in water. <i>Green Synthesis and Catalysis</i> , 2020, 1, 79-82.	6.8	14
40	Efficient Self-Driving Photoelectrocatalytic Reactor for Synergistic Water Purification and H ₂ Evolution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44731-44742.	8.0	33
41	A strong hydrangea-like Au@TiO ₂ catalyst for round-the-clock degradation of oxalic acid in the presence of ozone. <i>Catalysis Science and Technology</i> , 2020, 10, 7481-7485.	4.1	5
42	Polarity- and Pressure-Dependent Hydrogen Dynamics on ZnO Polar Surfaces Revealed by Near-Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25431-25436.	3.1	4
43	Cumulene Wires Display Increasing Conductance with Increasing Length. <i>Nano Letters</i> , 2020, 20, 8415-8419.	9.1	47
44	Photoelectrocatalytic bacterial inactivation of <i>Acinetobacter baumannii</i> on Cu ₂ O/TiO ₂ @Cu mesh photoanodes. <i>Catalysis Science and Technology</i> , 2020, 10, 7378-7385.	4.1	9
45	Visible light-catalytic hydroxylation of aryl halides with water to phenols by carbon nitride and nickel complex cooperative catalysis. <i>Green Chemistry</i> , 2020, 22, 7417-7423.	9.0	32
46	Amorphous Alloy Architectures in Pore Walls: Mesoporous Amorphous NiCoB Alloy Spheres with Controlled Compositions via a Chemical Reduction. <i>ACS Nano</i> , 2020, 14, 17224-17232.	14.6	46
47	Self-Suspended Photothermal Microreactor for Water Desalination and Integrated Volatile Organic Compound Removal. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51537-51545.	8.0	47
48	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14303-14307.	13.8	23
49	Ordered Mesoporous Ni@P Amorphous Alloy Nanowire Arrays: High-Efficiency Catalyst for Production of Polyol from Sugar. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26101-26112.	8.0	25
50	MOFs Confered with Transient Metal Centers for Enhanced Photocatalytic Activity. <i>Angewandte Chemie</i> , 2020, 132, 17335-17339.	2.0	11
51	MOFs Confered with Transient Metal Centers for Enhanced Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17182-17186.	13.8	121
52	Selective CO ₂ reduction to HCOOH on a Pt/In ₂ O ₃ /g-C ₃ N ₄ multifunctional visible-photocatalyst. <i>RSC Advances</i> , 2020, 10, 22460-22467.	3.6	15
53	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie</i> , 2020, 132, 14409-14413.	2.0	5
54	Multi-functional anodes boost the transient power and durability of proton exchange membrane fuel cells. <i>Nature Communications</i> , 2020, 11, 1191.	12.8	65

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55	In Situ One-Step Synthesis of Platinum Nanoparticles Supported on Metal-Organic Frameworks as an Effective and Stable Catalyst for Selective Hydrogenation of 5-Hydroxymethylfurfural. ACS Omega, 2020, 5, 16183-16188.	3.5	13
56	Solid-Phase Microwave Reduction of WO ₃ by GO for Enhanced Synergistic Photo-Fenton Catalytic Degradation of Bisphenol A. ACS Applied Materials & Interfaces, 2020, 12, 32604-32614.	8.0	41
57	NH ₂ -UiO-66(Zr) with fast electron transfer routes for breaking down nitric oxide via photocatalysis. Applied Catalysis B: Environmental, 2020, 267, 118687.	20.2	83
58	Mesoporous Metal-Metalloid Amorphous Alloys: The First Synthesis of Open 3D Mesoporous Ni-B Amorphous Alloy Spheres via a Dual Chemical Reduction Method. Small, 2020, 16, e1906707.	10.0	37
59	An efficient defect engineering strategy to enhance catalytic performances of Co ₃ O ₄ nanorods for CO oxidation. Journal of Hazardous Materials, 2020, 394, 122540.	12.4	43
60	Gas-Phase Photoelectrocatalytic Oxidation of NO via TiO ₂ Nanorod Array/FTO Photoanodes. Environmental Science & Technology, 2020, 54, 5902-5912.	10.0	42
61	Magnetically induced synthesis of mesoporous amorphous CoB nanochains for efficient selective hydrogenation of cinnamaldehyde to cinnamyl alcohol. Chemical Engineering Journal, 2020, 398, 125564.	12.7	33
62	Microwave-induced Assembly of CuS@MoS ₂ Core-shell Nanotubes and Study on Their Photocatalytic Fenton-like Reactions. Acta Chimica Sinica, 2020, 78, 961.	1.4	12
63	A novel visible-light-driven ternary Ag@Ag ₂ O/BiOCl Z-scheme photocatalyst with enhanced removal efficiency of RhB. New Journal of Chemistry, 2019, 43, 13929-13937.	2.8	25
64	Controlling Singlet Fission by Molecular Contortion. Journal of the American Chemical Society, 2019, 141, 13143-13147.	18.7	47
65	Strong Hollow Spherical La ₂ NiO ₄ Photocatalytic Microreactor for Round-the-Clock Environmental Remediation. ACS Applied Materials & Interfaces, 2019, 11, 25967-25975.	8.0	33
66	Edge-Enriched Ultrathin MoS ₂ Embedded Yolk-Shell TiO ₂ with Boosted Charge Transfer for Superior Photocatalytic H ₂ Evolution. Advanced Functional Materials, 2019, 29, 1901958.	14.9	115
67	Dual-Stimulus Smart Actuator and Robot Hand Based on a Vapor-Responsive PDMS Film and Triboelectric Nanogenerator. ACS Applied Materials & Interfaces, 2019, 11, 42504-42511.	8.0	31
68	Hybrid Cu ₂ O/TiO ₂ Nanocomposites with Enhanced Photocatalytic Antibacterial Activity toward <i>Acinetobacter Baumannii</i> . ACS Applied Bio Materials, 2019, 2, 4892-4903.	4.6	29
69	Self-powered electrochemical system by combining Fenton reaction and active chlorine generation for organic contaminant treatment. Nano Research, 2019, 12, 2729-2735.	10.4	35
70	Directing isomerization reactions of cumulenes with electric fields. Nature Communications, 2019, 10, 4482.	12.8	97
71	Surfactant Pyrolysis-Guided in Situ Fabrication of Primary Amine-Rich Ordered Mesoporous Phenolic Resin Displaying Efficient Heavy Metal Removal. ACS Applied Materials & Interfaces, 2019, 11, 21815-21821.	8.0	22
72	Lithiophilic CuO Nanoflowers on Ti-Mesh Inducing Lithium Lateral Plating Enabling Stable Lithium-Metal Anodes with Ultrahigh Rates and Ultralong Cycle Life. Advanced Energy Materials, 2019, 9, 1900853.	19.5	103

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73	Wood-derived Materials for Advanced Electrochemical Energy Storage Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1902255.	14.9	157
74	Photocatalysis: Microwave-induced Metal Dissolution Synthesis of Core-shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution (Adv. Energy Mater. 22/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970085.	19.5	2
75	Gas-Phase Photoelectrocatalysis for Breaking Down Nitric Oxide. <i>Environmental Science & Technology</i> , 2019, 53, 7145-7154.	10.0	45
76	Microwave-induced Metal Dissolution Synthesis of Core-shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1900775.	19.5	97
77	Self-driven photodetection based on impedance matching effect between a triboelectric nanogenerator and a MoS ₂ nanosheets photodetector. <i>Nano Energy</i> , 2019, 59, 492-499.	16.0	50
78	A chloroplast structured photocatalyst enabled by microwave synthesis. <i>Nature Communications</i> , 2019, 10, 1570.	12.8	88
79	Controlled Assembly of Hierarchical Metal Catalysts with Enhanced Performances. <i>Chem</i> , 2019, 5, 805-837.	11.7	24
80	Synthesis, Regioselective Bromination, and Functionalization of Coronene Tetracarboxydiimide. <i>Journal of Organic Chemistry</i> , 2019, 84, 2713-2720.	3.2	14
81	Efficient Photocatalytic Fuel Cell via Simultaneous Visible-Photoelectrocatalytic Degradation and Electricity Generation on a Porous Coral-like WO ₃ /W Photoelectrode. <i>Environmental Science & Technology</i> , 2019, 53, 3697-3706.	10.0	105
82	Mesoporous PtCu Alloy Nanoparticles with Tunable Compositions and Particles Sizes Using Diblock Copolymer Micelle Templates. <i>Chemistry - A European Journal</i> , 2019, 25, 343-348.	3.3	29
83	Photocatalytic Composite of a Floating BiOBr@Graphene Oxide@Melamine Foam for Efficient Removal of Organics. <i>ChemCatChem</i> , 2018, 10, 2394-2400.	3.7	16
84	Aerosol-Assisted Rapid Fabrication of a Heterogeneous Organopalladium Catalyst with Hierarchical Bimodal Pores. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13914-13923.	8.0	8
85	Microwave irradiation induced UiO-66-NH ₂ anchored on graphene with high activity for photocatalytic reduction of CO ₂ . <i>Applied Catalysis B: Environmental</i> , 2018, 228, 47-53.	20.2	186
86	CO ₂ conversion to synthesis gas via DRM on the durable Al ₂ O ₃ /Ni/Al ₂ O ₃ sandwich catalyst with high activity and stability. <i>Green Chemistry</i> , 2018, 20, 2781-2787.	9.0	43
87	In Situ High-Level Nitrogen Doping into Carbon Nanospheres and Boosting of Capacitive Charge Storage in Both Anode and Cathode for a High-Energy 4.5 V Full-Carbon Lithium-Ion Capacitor. <i>Nano Letters</i> , 2018, 18, 3368-3376.	9.1	163
88	Synergistic Ag/TiO ₂ -N photocatalytic system and its enhanced antibacterial activity towards <i>Acinetobacter baumannii</i> . <i>Applied Catalysis B: Environmental</i> , 2018, 224, 175-182.	20.2	95
89	Synergistic Photocatalytic-Photothermal Contribution to Antibacterial Activity in BiOI-Graphene Oxide Nanocomposites. <i>ACS Applied Bio Materials</i> , 2018, 1, 2141-2152.	4.6	23
90	Unveiling the Role of Defects on Oxygen Activation and Photodegradation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2018, 52, 13879-13886.	10.0	167

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91	Nanotube Array-Like WO ₃ Photoanode with Dual-Layer Oxygen-Evolution Cocatalysts for Photoelectrocatalytic Overall Water Splitting. ACS Applied Energy Materials, 2018, 1, 6871-6880.	5.1	60
92	Aerosol-Assisted Synthesis of Spherical Sb/C Composites as Advanced Anodes for Lithium Ion and Sodium Ion Batteries. ACS Applied Energy Materials, 2018, 1, 6381-6387.	5.1	32
93	Recent Progress of Hybrid Solid-State Electrolytes for Lithium Batteries. Chemistry - A European Journal, 2018, 24, 18293-18306.	3.3	127
94	Bimetal MOF derived mesocrystal ZnCo ₂ O ₄ on rGO with High performance in visible-light photocatalytic NO oxidization. Applied Catalysis B: Environmental, 2018, 236, 304-313.	20.2	128
95	Inflammation-free and gas-permeable on-skin triboelectric nanogenerator using soluble nanofibers. Nano Energy, 2018, 51, 260-269.	16.0	46
96	Enhanced Photocatalytic Degradation Performance by Fluid-Induced Piezoelectric Field. Environmental Science & Technology, 2018, 52, 7842-7848.	10.0	186
97	A facile approach for the synthesis of Z-scheme photocatalyst ZIF-8/g-C ₃ N ₄ with highly enhanced photocatalytic activity under simulated sunlight. New Journal of Chemistry, 2018, 42, 12180-12187.	2.8	66
98	Comprehensive suppression of single-molecule conductance using destructive π -interference. Nature, 2018, 558, 415-419.	27.8	256
99	Graphyne-oxide supported Pd catalyst with ten times higher nitrobenzenes reduction activity than Pd/C. Research on Chemical Intermediates, 2018, 44, 6327-6337.	2.7	4
100	Graphyne-like Porous Carbon-rich Network Supported Pd Nanoparticles as an Efficient Catalyst for Suzuki-Miyaura Couplings under Aerobic Conditions. Current Nanoscience, 2018, 14, 503-510.	1.2	1
101	Photoelectrocatalytic reduction of CO ₂ to methanol over a photosystem II-enhanced Cu foam/Si-nanowire system. Journal of Environmental Sciences, 2017, 60, 108-113.	6.1	19
102	Coupling system of Ag/BiOBr photocatalysis and direct contact membrane distillation for complete purification of N-containing dye wastewater. Chemical Engineering Journal, 2017, 317, 386-393.	12.7	78
103	Self-powered modulation of elastomeric optical grating by using triboelectric nanogenerator. Nano Energy, 2017, 38, 91-100.	16.0	80
104	Self-Powered Electrostatic Actuation Systems for Manipulating the Movement of both Microfluid and Solid Objects by Using Triboelectric Nanogenerator. Advanced Functional Materials, 2017, 27, 1606408.	14.9	90
105	Pt-Enhanced Mesoporous Ti ³⁺ /TiO ₂ with Rapid Bulk to Surface Electron Transfer for Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 16959-16966.	8.0	147
106	A facile solvothermal approach for the synthesis of novel W-doped TiO ₂ nanoparticles/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. New Journal of Chemistry, 2017, 41, 13382-13390.	2.8	22
107	Enhanced photoreduction of Cr(VI) and photooxidation of NO over TiO ₂ mesoporous single crystals. RSC Advances, 2017, 7, 55927-55934.	3.6	9
108	Self-Powered Electrostatic Filter with Enhanced Photocatalytic Degradation of Formaldehyde Based on Built-in Triboelectric Nanogenerators. ACS Nano, 2017, 11, 12411-12418.	14.6	169

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109	Dynamic kinetic resolution of aromatic alcohols by using a heterogeneous palladium racemization catalyst and lipase. <i>Catalysis Science and Technology</i> , 2017, 7, 5838-5842.	4.1	16
110	A facile solvothermal approach of novel Bi ₂ S ₃ /TiO ₂ /RGO composites with excellent visible light degradation activity for methylene blue. <i>Applied Surface Science</i> , 2017, 396, 58-66.	6.1	81
111	Hollow spherical RuO ₂ @TiO ₂ @Pt bifunctional photocatalyst for coupled H ₂ production and pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 42-49.	20.2	130
112	Reduced Graphene Oxide-Immobilized Tris(bipyridine)ruthenium(II) Complex for Efficient Visible-Light-Driven Reductive Dehalogenation Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12141-12148.	8.0	33
113	Macrocyclization in the Design of Organic n-Type Electronic Materials. <i>Journal of the American Chemical Society</i> , 2016, 138, 12861-12867.	13.7	101
114	A convenient approach of MIP/Co ²⁺ /TiO ₂ nanocomposites with highly enhanced photocatalytic activity and selectivity under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 69326-69333.	3.6	23
115	Porous CuO nanotubes/graphene with sandwich architecture as high-performance anodes for lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 19343-19351.	5.6	48
116	Solvothermal alcoholysis synthesis of hierarchical TiO ₂ with enhanced activity in environmental and energy photocatalysis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 28, 72-86.	11.6	84
117	Nanotube-confinement induced size-controllable g-C ₃ N ₄ quantum dots modified single-crystalline TiO ₂ nanotube arrays for stable synergetic photoelectrocatalysis. <i>Nano Energy</i> , 2016, 19, 446-454.	16.0	329
118	BiOBr/Bi ₂ MoO ₆ composite in flower-like microspheres with enhanced photocatalytic activity under visible-light irradiation. <i>RSC Advances</i> , 2016, 6, 13498-13504.	3.6	25
119	Synthesis of Mo-doped TiO ₂ nanowires/reduced graphene oxide composites with enhanced photodegradation performance under visible light irradiation. <i>RSC Advances</i> , 2016, 6, 23809-23815.	3.6	23
120	Microwave-antenna induced in situ synthesis of Cu nanowire threaded ZIF-8 with enhanced catalytic activity in H ₂ production. <i>Nanoscale</i> , 2016, 8, 7749-7754.	5.6	32
121	CNTs threaded (001) exposed TiO ₂ with high activity in photocatalytic NO oxidation. <i>Nanoscale</i> , 2016, 8, 2899-2907.	5.6	50
122	Asymmetric Hydrosilylation of Aromatic Ketones Catalyzed by an Economical and Effective Copper ^{II} -Diphosphine Catalytic System in Air. <i>Chinese Journal of Chemistry</i> , 2015, 33, 578-582.	4.9	10
123	A Hybridized Power Panel to Simultaneously Generate Electricity from Sunlight, Raindrops, and Wind around the Clock. <i>Advanced Energy Materials</i> , 2015, 5, 1501152.	19.5	174
124	BiOBr visible-light photocatalytic films in a rotating disk reactor for the degradation of organics. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14801-14808.	10.3	32
125	Microwave-assisted synthesis of Ag-doped MOFs-like organotitanium polymer with high activity in visible-light driven photocatalytic NO oxidization. <i>Applied Catalysis B: Environmental</i> , 2015, 172-173, 46-51.	20.2	98
126	Plant Uptake-Assisted Round-the-Clock Photocatalysis for Complete Purification of Aquaculture Wastewater Using Sunlight. <i>Environmental Science & Technology</i> , 2015, 49, 2418-2424.	10.0	69

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127	Uniform anatase single-crystal cubes with high thermal stability fully enclosed by active {010} and {001} facets. <i>RSC Advances</i> , 2015, 5, 11029-11035.	3.6	12
128	Plasmonic silver quantum dots coupled with hierarchical TiO ₂ nanotube arrays photoelectrodes for efficient visible-light photoelectrocatalytic hydrogen evolution. <i>Scientific Reports</i> , 2015, 5, 10461.	3.3	113
129	Synthesis of Ce ions doped metal-organic framework for promoting catalytic H ₂ production from ammonia borane under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14134-14141.	10.3	102
130	Chiral Conjugated Corrals. <i>Journal of the American Chemical Society</i> , 2015, 137, 9982-9987.	13.7	104
131	Copper Nanowires: A Substitute for Noble Metals to Enhance Photocatalytic H ₂ Generation. <i>Nano Letters</i> , 2015, 15, 4853-4858.	9.1	111
132	Hydrothermal synthesis of graphene/Fe ³⁺ -doped TiO ₂ nanowire composites with highly enhanced photocatalytic activity under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15214-15224.	10.3	64
133	A functionalized graphene oxide and nano-zeolitic imidazolate framework composite as a highly active and reusable catalyst for [3 + 3] formal cycloaddition reactions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14779-14785.	10.3	23
134	Enhancing Sorption Capacities for Copper(II) and Lead(II) under Weakly Acidic Conditions by Tryptophan-Functionalized Graphene Oxide. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1469-1475.	1.9	49
135	Biochemical composite synthesized by stepwise crosslinking: An efficient platform for one-pot biomass conversion. <i>Journal of Catalysis</i> , 2015, 327, 78-85.	6.2	10
136	Exploring the Important Role of Nanocrystals Orientation in TiO ₂ Superstructure on Photocatalytic Performances. <i>Langmuir</i> , 2015, 31, 3494-3499.	3.5	47
137	Highly Efficient and Stable Au/CeO ₂ -TiO ₂ Photocatalyst for Nitric Oxide Abatement: Potential Application in Flue Gas Treatment. <i>Langmuir</i> , 2015, 31, 10822-10830.	3.5	69
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