

Wu Lizhu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	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.	11.1	1,616
2	Tuning Oxygen Vacancies in Ultrathin TiO ₂ Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. <i>Advanced Materials</i> , 2019, 31, e1806482.	11.1	732
3	Design strategies of fluorescent probes for selective detection among biothiols. <i>Chemical Society Reviews</i> , 2015, 44, 6143-6160.	18.7	721
4	Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C ₃ N ₄ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016, 28, 5080-5086.	11.1	718
5	Ni ₃ Fe Nanoparticles Derived from Ultrathin NiFe Layered Double Hydroxide Nanosheets: An Efficient Overall Water Splitting Electrocatalyst. <i>Advanced Energy Materials</i> , 2016, 6, 1502585.	10.2	668
6	Well-Dispersed ZIF-Derived Co,Ni-Codoped Carbon Nanoframes through Mesoporous-Silica-Protected Calcination as Efficient Oxygen Reduction Electrocatalysts. <i>Advanced Materials</i> , 2016, 28, 1668-1674.	11.1	663
7	Smart Utilization of Carbon Dots in Semiconductor Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 9454-9477.	11.1	622
8	Defect-Rich Ultrathin ZnAl Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO ₂ to CO with Water. <i>Advanced Materials</i> , 2015, 27, 7824-7831.	11.1	608
9	Carbon quantum dots/TiO ₂ composites for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3344.	5.2	601
10	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.	6.6	597
11	Layered Double Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	11.1	524
12	NiFe Layered Double Hydroxide Nanoparticles on Co,Ni-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700467.	10.2	422
13	Enhanced Driving Force and Charge Separation Efficiency of Protonated g-C ₃ N ₄ for Photocatalytic O ₂ Evolution. <i>ACS Catalysis</i> , 2015, 5, 6973-6979.	5.5	414
14	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. <i>Chemical Reviews</i> , 2015, 115, 7502-7542.	23.0	413
15	Photoelectrochemically Active and Environmentally Stable CsPbBr ₃ /TiO ₂ Core/Shell Nanocrystals. <i>Advanced Functional Materials</i> , 2018, 28, 1704288.	7.8	413
16	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	10.2	389
17	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.	18.7	350
18	Graphdiyne: A Metal-Free Material as Hole Transfer Layer To Fabricate Quantum Dot-Sensitized Photocathodes for Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 3954-3957.	6.6	335

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19	Semiconducting quantum dots for Artificial photosynthesis. <i>Nature Reviews Chemistry</i> , 2018, 2, 160-173.	13.8	334
20	External Oxidant-Free Oxidative Cross-Coupling: A Photoredox Cobalt-Catalyzed Aromatic C-H Thiolation for Constructing C-S Bonds. <i>Journal of the American Chemical Society</i> , 2015, 137, 9273-9280.	6.6	323
21	Semiconductor Quantum Dots: An Emerging Candidate for CO ₂ Photoreduction. <i>Advanced Materials</i> , 2019, 31, e1900709.	11.1	316
22	A Highly Efficient Photocatalytic System for Hydrogen Production by a Robust Hydrogenase Mimic in an Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3193-3197.	7.2	315
23	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1700803.	11.1	311
24	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.	11.1	309
25	Eosin-Y as a Direct Hydrogen-Atom Transfer Photocatalyst for the Functionalization of C-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8514-8518.	7.2	304
26	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 1354.	5.8	286
27	From Solar Energy to Fuels: Recent Advances in Light-Driven C ₁ Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17528-17551.	7.2	285
28	Pure Organic Room Temperature Phosphorescence from Excited Dimers in Self-Assembled Nanoparticles under Visible and Near-Infrared Irradiation in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 5045-5050.	6.6	285
29	Photocatalytic Hydrogen-Evolution Cross-Couplings: Benzene C-H Amination and Hydroxylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 10080-10083.	6.6	280
30	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	10.2	274
31	Recent advances in visible-light-driven organic reactions. <i>National Science Review</i> , 2017, 4, 359-380.	4.6	258
32	Reactivity and Mechanistic Insight into Visible-Light-Induced Aerobic Cross-Dehydrogenative Coupling Reaction by Organophotocatalysts. <i>Chemistry - A European Journal</i> , 2012, 18, 620-627.	1.7	254
33	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	10.2	253
34	A Cascade Cross-Coupling Hydrogen Evolution Reaction by Visible Light Catalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 19052-19055.	6.6	250
35	Enhancement of the Efficiency of Photocatalytic Reduction of Protons to Hydrogen via Molecular Assembly. <i>Accounts of Chemical Research</i> , 2014, 47, 2177-2185.	7.6	237
36	Photocatalytic Hydrogen Production from Hantzsch 1,4-Dihydropyridines by Platinum(II) Terpyridyl Complexes in Homogeneous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 3440-3441.	6.6	231

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37	Dynamic Covalent Bond Based on Reversible Photo [4 + 4] Cycloaddition of Anthracene for Construction of Double-Dynamic Polymers. <i>Organic Letters</i> , 2013, 15, 6148-6151.	2.4	221
38	Photocatalytic Activation of Less Reactive Bonds and Their Functionalization via Hydrogen-Evolution Cross-Couplings. <i>Accounts of Chemical Research</i> , 2018, 51, 2512-2523.	7.6	216
39	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3694-3698.	7.2	208
40	Mechanistic Insights into the Interface-Directed Transformation of Thiols into Disulfides and Molecular Hydrogen by Visible-Light Irradiation of Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2085-2089.	7.2	205
41	Photoresponsive Hydrogen-Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9738-9742.	7.2	204
42	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.	5.8	199
43	Supramolecular Systems as Microreactors: Control of Product Selectivity in Organic Phototransformation. <i>Accounts of Chemical Research</i> , 2003, 36, 39-47.	7.6	195
44	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.	5.8	192
45	Long-Lived Emission from Platinum(II) Terpyridyl Acetylide Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 5653-5655.	1.9	191
46	Direct Synthesis of Graphdiyne Nanowalls on Arbitrary Substrates and Its Application for Photoelectrochemical Water Splitting Cell. <i>Advanced Materials</i> , 2017, 29, 1605308.	11.1	189
47	Efficient photocatalytic hydrogen evolution with ligand engineered all-inorganic InP and InP/ZnS colloidal quantum dots. <i>Nature Communications</i> , 2018, 9, 4009.	5.8	179
48	Efficient and Selective CO ₂ Reduction Integrated with Organic Synthesis by Solar Energy. <i>Chem</i> , 2019, 5, 2605-2616.	5.8	179
49	Oxide-Modified Nickel Photocatalysts for the Production of Hydrocarbons in Visible Light. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4215-4219.	7.2	176
50	Artificial Photosynthetic Systems Based on [FeFe]-Hydrogenase Mimics: the Road to High Efficiency for Light-Driven Hydrogen Evolution. <i>ACS Catalysis</i> , 2012, 2, 407-416.	5.5	175
51	Highly efficient and selective photocatalytic hydrogenation of functionalized nitrobenzenes. <i>Green Chemistry</i> , 2014, 16, 1082-1086.	4.6	175
52	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.	2.7	173
53	Efficient Photocatalytic Nitrogen Fixation over Cu ⁺ -Modified Defective ZnAl ₂ O ₄ Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020, 10, 1901973.	10.2	173
54	Effect of Nitrogen Doping Level on the Performance of N-Doped Carbon Quantum Dot/TiO ₂ Composites for Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 4650-4656.	3.6	171

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55	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. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4552.	5.2	166
56	Chitosan confinement enhances hydrogen photogeneration from a mimic of the diiron subsite of [FeFe]-hydrogenase. <i>Nature Communications</i> , 2013, 4, 2695.	5.8	159
57	Face-to-Face Interfacial Assembly of Ultrathin g-C ₃ N ₄ and Anatase TiO ₂ Nanosheets for Enhanced Solar Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28674-28684.	4.0	156
58	Photocatalytic Hydrogen Production from Water by Noble-Metal-Free Molecular Catalyst Systems Containing Rose Bengal and the Cobaloximes of BF ₃ -Bridged Oxime Ligands. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15868-15874.	1.5	151
59	Light Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2759-2763.	7.2	151
60	Photocatalysis with Quantum Dots and Visible Light: Selective and Efficient Oxidation of Alcohols to Carbonyl Compounds through a Radical Relay Process in Water. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3020-3024.	7.2	151
61	Graphdiyne: A Promising Catalyst Support To Stabilize Cobalt Nanoparticles for Oxygen Evolution. <i>ACS Catalysis</i> , 2017, 7, 5209-5213.	5.5	150
62	Visible Light Catalysis Assisted Site-Specific Functionalization of Amino Acid Derivatives by C-H Bond Activation without Oxidant: Cross-Coupling Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2015, 5, 2391-2396.	5.5	148
63	Cross-Coupling Hydrogen Evolution Reaction in Homogeneous Solution without Noble Metals. <i>Organic Letters</i> , 2014, 16, 1988-1991.	2.4	147
64	Artificial Light Harvesting System Based on Multifunctional Surface-Cross-Linked Micelles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2088-2092.	7.2	146
65	Self-Assembled Framework Enhances Electronic Communication of Ultrasmall-Sized Nanoparticles for Exceptional Solar Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2017, 139, 4789-4796.	6.6	146
66	Exceptional Poly(acrylic acid)-Based Artificial [FeFe]-Hydrogenases for Photocatalytic H ₂ Production in Water. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8134-8138.	7.2	145
67	A Highly Efficient and Selective Aerobic Cross-Dehydrogenative-Coupling Reaction Photocatalyzed by a Platinum(II) Terpyridyl Complex. <i>Chemistry - A European Journal</i> , 2013, 19, 6443-6450.	1.7	144
68	An Exceptional Artificial Photocatalyst, Ni _h -CdSe/CdS Core/Shell Hybrid, Made In Situ from CdSe Quantum Dots and Nickel Salts for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2013, 25, 6613-6618.	11.1	140
69	Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins. <i>Advanced Materials</i> , 2018, 30, e1800527.	11.1	139
70	Photooxidation of Olefins under Oxygen in Platinum(II) Complex-Loaded Mesoporous Molecular Sieves. <i>Journal of the American Chemical Society</i> , 2006, 128, 14685-14690.	6.6	131
71	Cobalt-Catalyzed Cross-Dehydrogenative Coupling Reaction in Water by Visible Light. <i>Organic Letters</i> , 2015, 17, 884-887.	2.4	129
72	General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visible-Light Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15407-15410.	7.2	128

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73	Ni ³⁺ doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015, 7, 7168-7173.	2.8	127
74	Semiconductor nanocrystals for small molecule activation via artificial photosynthesis. <i>Chemical Society Reviews</i> , 2020, 49, 9028-9056.	18.7	127
75	A Luminescent Chemosensor with Specific Response for Mg ²⁺ . <i>Inorganic Chemistry</i> , 2004, 43, 5195-5197.	1.9	126
76	Photocatalytic Hydrogen Evolution from Rhenium(I) Complexes to [FeFe] Hydrogenase Mimics in Aqueous SDS Micellar Systems: A Biomimetic Pathway. <i>Langmuir</i> , 2010, 26, 9766-9771.	1.6	124
77	Visible-Light-Driven Difluoroacetamidation of Unactive Arenes and Heteroarenes by Direct C-H Functionalization at Room Temperature. <i>Organic Letters</i> , 2014, 16, 5842-5845.	2.4	121
78	A robust artificial catalyst in situ formed from CdTe QDs and inorganic cobalt salts for photocatalytic hydrogen evolution. <i>Energy and Environmental Science</i> , 2013, 6, 465-469.	15.6	120
79	Visible-light-mediated aerobic selenation of (hetero)arenes with diselenides. <i>Green Chemistry</i> , 2017, 19, 5559-5563.	4.6	120
80	BowtieArene: A Dual Macrocyclic Exhibiting Stimuli-Responsive Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10059-10065.	7.2	120
81	Visible-light induced oxidant-free oxidative cross-coupling for constructing allylic sulfones from olefins and sulfinic acids. <i>Chemical Communications</i> , 2016, 52, 10407-10410.	2.2	119
82	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. <i>Chemical Communications</i> , 2014, 50, 1334-1337.	2.2	118
83	Interface-directed assembly of a simple precursor of [FeFe]-H ₂ ase mimics on CdSe QDs for photosynthetic hydrogen evolution in water. <i>Energy and Environmental Science</i> , 2013, 6, 2597.	15.6	115
84	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. <i>Energy and Environmental Science</i> , 2020, 13, 1326-1346.	15.6	115
85	Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light. <i>Advanced Materials</i> , 2014, 26, 5613-5618.	11.1	112
86	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 192-197.	7.2	106
87	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2016, 26, 5483-5489.	7.8	105
88	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.	7.2	105
89	An Oxidant-Free Strategy for Indole Synthesis via Intramolecular C-C Bond Construction under Visible Light Irradiation: Cross-Coupling Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2016, 6, 4635-4639.	5.5	102
90	Switching between Ligand-to-Ligand Charge-Transfer, Intraligand Charge-Transfer, and Metal-to-Ligand Charge-Transfer Excited States in Platinum(II) Terpyridyl Acetylide Complexes Induced by pH Change and Metal Ions. <i>Chemistry - A European Journal</i> , 2007, 13, 1231-1239.	1.7	100

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91	Reductive Transformation of Layeredâ€Doubleâ€Hydroxide Nanosheets to Feâ€Based Heterostructures for Efficient Visibleâ€Light Photocatalytic Hydrogenation of CO. <i>Advanced Materials</i> , 2018, 30, e1803127.	11.1	100
92	Synthesis of Oligoparaphenylene-Derived Nanohoops Employing an Anthracene Photodimerizationâ€Cycloreversion Strategy. <i>Journal of the American Chemical Society</i> , 2016, 138, 11144-11147.	6.6	97
93	A near-infrared fluorescent sensor for selective detection of cysteine and its application in live cell imaging. <i>RSC Advances</i> , 2014, 4, 8360.	1.7	96
94	A Novel Intermolecular Synthesis of Î³-Lactones via Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2013, 15, 6054-6057.	2.4	95
95	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. <i>Advanced Functional Materials</i> , 2019, 29, 1808079.	7.8	95
96	Cobaloxime Catalysis: Selective Synthesis of Alkenylphosphine Oxides under Visible Light. <i>Journal of the American Chemical Society</i> , 2019, 141, 13941-13947.	6.6	93
97	Improved Photoelectrocatalytic Performance for Water Oxidation by Earth-Abundant Cobalt Molecular Porphyrin Complex-Integrated BiVO ₄ Photoanode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18577-18583.	4.0	92
98	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based hostâ€guest interaction. <i>Chemical Communications</i> , 2018, 54, 1117-1120.	2.2	92
99	Metallic Co ₂ C: A Promising Co-catalyst To Boost Photocatalytic Hydrogen Evolution of Colloidal Quantum Dots. <i>ACS Catalysis</i> , 2018, 8, 5890-5895.	5.5	92
100	Photocatalytic Hydrogen Evolution from Glycerol and Water over Nickelâ€Hybrid Cadmium Sulfide Quantum Dots under Visibleâ€Light Irradiation. <i>ChemSusChem</i> , 2014, 7, 1468-1475.	3.6	91
101	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. <i>Chemical Communications</i> , 2014, 50, 7001-7003.	2.2	91
102	A Bioâ€Inspired Cu ₄ O ₄ Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7850-7854.	7.2	91
103	Quantum Dot Assembly for Lightâ€Driven Multielectron Redox Reactions, such as Hydrogen Evolution and CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10804-10811.	7.2	91
104	A solution-processed, mercaptoacetic acid-engineered CdSe quantum dot photocathode for efficient hydrogen production under visible light irradiation. <i>Energy and Environmental Science</i> , 2015, 8, 1443-1449.	15.6	90
105	Direct synthesis of all-inorganic heterostructured CdSe/CdS QDs in aqueous solution for improved photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10365-10373.	5.2	89
106	Activation of C-H Bonds through Oxidantâ€Free Photoredox Catalysis: Crossâ€Coupling Hydrogenâ€Evolution Transformation of Isochromans and Î²-Keto Esters. <i>Chemistry - A European Journal</i> , 2015, 21, 18080-18084.	1.7	85
107	â€Nakedâ€Magnetically Recyclable Mesoporous Auâ€Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. <i>Advanced Functional Materials</i> , 2017, 27, 1606215.	7.8	85
108	Exploring the Reducing Ability of Organic Dye (Acr ⁺ -Mes) for Fluorination and Oxidation of Benzylic C(sp ³)â€H Bonds under Visible Light Irradiation. <i>Organic Letters</i> , 2017, 19, 3009-3012.	2.4	85

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109	Metal-Free, Redox-Neutral, Site-Selective Access to Heteroarylamine via Direct Radical [•] Radical Cross-Coupling Powered by Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 16805-16813.	6.6	84
110	Simple bipolar host materials incorporating CN group for highly efficient blue electrophosphorescence with slow efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8140.	2.7	83
111	Combining Visible Light Catalysis and Transition Metal Catalysis for the Alkylation of Secondary Amines. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2158-2164.	2.1	82
112	An isolable catenane consisting of two Möbius conjugated nanohoops. <i>Nature Communications</i> , 2018, 9, 3037.	5.8	82
113	Graphene quantum dots to enhance the photocatalytic hydrogen evolution efficiency of anatase TiO ₂ with exposed {001} facet. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20338-20344.	1.3	80
114	Eosin ^{•-} Y as a Direct Hydrogen [•] Atom Transfer Photocatalyst for the Functionalization of C [•] H Bonds. <i>Angewandte Chemie</i> , 2018, 130, 8650-8654.	1.6	79
115	FeO [•] CeO ₂ nanocomposites: an efficient and highly selective catalyst system for photothermal CO ₂ reduction to CO. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	76
116	Pure Organic Room Temperature Phosphorescence from Unique Micelle [•] Assisted Assembly of Nanocrystals in Water. <i>Advanced Functional Materials</i> , 2020, 30, 1907282.	7.8	75
117	Visible Light Catalysis-Assisted Assembly of Ni _h -QD Hollow Nanospheres in Situ via Hydrogen Bubbles. <i>Journal of the American Chemical Society</i> , 2014, 136, 8261-8268.	6.6	74
118	Synthesis and Characterization of a Pentiptycene [•] Derived Dual Oligoparaphenylene Nanohoop. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3943-3947.	7.2	74
119	Photocatalytic Hydrogen Evolution by [FeFe] Hydrogenase Mimics in Homogeneous Solution. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1796-1803.	1.7	72
120	Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. <i>Chemistry - A European Journal</i> , 2018, 24, 11530-11534.	1.7	71
121	Oxidative Cyclization Synthesis of Tetrahydroquinolines and Reductive Hydrogenation of Maleimides under Redox-Neutral Conditions. <i>Organic Letters</i> , 2018, 20, 2916-2920.	2.4	71
122	Photocatalytic C [•] C Bond Activation of Oxime Ester for Acyl Radical Generation and Application. <i>Organic Letters</i> , 2019, 21, 4153-4158.	2.4	71
123	Shape-controlled synthesis of polyhedral 50-facet Cu ₂ O microcrystals with high-index facets. <i>CrystEngComm</i> , 2012, 14, 4431.	1.3	70
124	Visible Light Initiated Hantzsch Synthesis of 2,5-Diaryl-Substituted Pyrroles at Ambient Conditions. <i>Organic Letters</i> , 2016, 18, 2479-2482.	2.4	68
125	Metal [•] Free Desulfonylation Reaction Through Visible [•] Light Photoredox Catalysis. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7528-7532.	1.2	67
126	A Hydrogen [•] Bonded [•] Supramolecular [•] Polymer [•] Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells. <i>Advanced Functional Materials</i> , 2016, 26, 5419-5425.	7.8	67

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127	Visible-Light-Driven Synthesis of 4-Alkyl/Aryl-2-Aminothiazoles Promoted by In Situ Generated Copper Photocatalyst. <i>ACS Catalysis</i> , 2017, 7, 7941-7945.	5.5	67
128	Reverse saturable absorption of platinum ter/bipyridyl polyphenylacetylide complexes. <i>Applied Physics Letters</i> , 2003, 82, 850-852.	1.5	66
129	Visible-Light Photocatalysis Employing Dye-Sensitized Semiconductor: Selective Aerobic Oxidation of Benzyl Ethers. <i>ACS Catalysis</i> , 2017, 7, 8134-8138.	5.5	66
130	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.	10.2	66
131	BODIPY-based fluorescent probe for the simultaneous detection of glutathione and cysteine/homocysteine at different excitation wavelengths. <i>RSC Advances</i> , 2015, 5, 3959-3964.	1.7	65
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