

Li-Zhu Wu

List of Publications by Year in descending order

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papers

36,157
citations

3149

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times ranked

29526
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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	BODIPY-Based Ratiometric Fluorescent Sensor for Highly Selective Detection of Glutathione over Cysteine and Homocysteine. <i>Journal of the American Chemical Society</i> , 2012, 134, 18928-18931.	6.6	820
3	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
4	Design strategies of fluorescent probes for selective detection among biothiols. <i>Chemical Society Reviews</i> , 2015, 44, 6143-6160.	18.7	721
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	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501974.	10.2	389
16	Graphene-Supported Ultrafine Metal Nanoparticles Encapsulated by Mesoporous Silica: Robust Catalysts for Oxidation and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 250-254.	7.2	384
17	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.	5.6	379
18	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

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19	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
20	Semiconducting quantum dots for Artificial photosynthesis. <i>Nature Reviews Chemistry</i> , 2018, 2, 160-173.	13.8	334
21	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
22	Semiconductor Quantum Dots: An Emerging Candidate for CO ₂ Photoreduction. <i>Advanced Materials</i> , 2019, 31, e1900709.	11.1	316
23	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
24	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1700803.	11.1	311
25	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
26	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
27	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
28	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
29	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
30	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
31	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	10.2	274
32	Recent advances in visible-light-driven organic reactions. <i>National Science Review</i> , 2017, 4, 359-380.	4.6	258
33	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
34	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	10.2	253
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	Photoresponsive Hydrogen-Bonded Supramolecular Polymers Based on a Stiff Stilbene Unit. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9738-9742.	7.2	204
43	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
44	A turn-on fluorescent sensor for the discrimination of cysteine from homocysteine and glutathione. <i>Chemical Communications</i> , 2013, 49, 1294.	2.2	197
45	Supramolecular Systems as Microreactors: Control of Product Selectivity in Organic Phototransformation. <i>Accounts of Chemical Research</i> , 2003, 36, 39-47.	7.6	195
46	Long-Lived Emission from Platinum(II) Terpyridyl Acetylide Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 5653-5655.	1.9	191
47	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
48	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
49	Efficient and Selective CO ₂ Reduction Integrated with Organic Synthesis by Solar Energy. <i>Chem</i> , 2019, 5, 2605-2616.	5.8	179
50	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
51	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
52	Highly efficient and selective photocatalytic hydrogenation of functionalized nitrobenzenes. <i>Green Chemistry</i> , 2014, 16, 1082-1086.	4.6	175
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	3D carbon nanoframe scaffold-immobilized Ni ₃ FeN nanoparticle electrocatalysts for rechargeable zinc-air batteries'™ cathodes. <i>Nano Energy</i> , 2017, 40, 382-389.	8.2	153
58	Light Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2759-2763.	7.2	151
59	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
60	Graphdiyne: A Promising Catalyst Support To Stabilize Cobalt Nanoparticles for Oxygen Evolution. <i>ACS Catalysis</i> , 2017, 7, 5209-5213.	5.5	150
61	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
62	Cross-Coupling Hydrogen Evolution Reaction in Homogeneous Solution without Noble Metals. <i>Organic Letters</i> , 2014, 16, 1988-1991.	2.4	147
63	Artificial Light Harvesting System Based on Multifunctional Surface-Cross-Linked Micelles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2088-2092.	7.2	146
64	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
65	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
66	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
67	Magnetically recyclable nanocatalysts (MRNCs): a versatile integration of high catalytic activity and facile recovery. <i>Nanoscale</i> , 2012, 4, 6244.	2.8	143
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	Highly Selective Colorimetric and Electrochemical Pb ²⁺ -Detection Based on TTF- π -Pyridine Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 9727-9734.	1.7	128

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73	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
74	Ni ³⁺ -doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015, 7, 7168-7173.	2.8	127
75	Semiconductor nanocrystals for small molecule activation via artificial photosynthesis. <i>Chemical Society Reviews</i> , 2020, 49, 9028-9056.	18.7	127
76	A Luminescent Chemosensor with Specific Response for Mg ²⁺ . <i>Inorganic Chemistry</i> , 2004, 43, 5195-5197.	1.9	126
77	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
78	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
79	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
80	Visible-light-mediated aerobic selenation of (hetero)arenes with diselenides. <i>Green Chemistry</i> , 2017, 19, 5559-5563.	4.6	120
81	BowtieArene: A Dual Macrocyclic Exhibiting Stimuli-Responsive Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10059-10065.	7.2	120
82	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
83	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
84	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
85	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. <i>Energy and Environmental Science</i> , 2020, 13, 1326-1346.	15.6	115
86	Spontaneous Organization of Inorganic Nanoparticles into Nanovesicles Triggered by UV Light. <i>Advanced Materials</i> , 2014, 26, 5613-5618.	11.1	112
87	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
88	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2016, 26, 5483-5489.	7.8	105
89	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
90	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

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91	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
92	Reductive Transformation of Layered α -Double α -Hydroxide Nanosheets to Fe α -Based Heterostructures for Efficient Visible α -Light Photocatalytic Hydrogenation of CO. <i>Advanced Materials</i> , 2018, 30, e1803127.	11.1	100
93	Synthesis of Oligoparaphenylene-Derived Nanohoops Employing an Anthracene Photodimerization α -Cycloreversion Strategy. <i>Journal of the American Chemical Society</i> , 2016, 138, 11144-11147.	6.6	97
94	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
95	A Novel Intermolecular Synthesis of β -Lactones via Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2013, 15, 6054-6057.	2.4	95
96	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
97	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
98	Facile preparation of black Nb ⁴⁺ -self-doped K ₄ Nb ₆ O ₁₇ microspheres with high solar absorption and enhanced photocatalytic activity. <i>Chemical Communications</i> , 2014, 50, 9554.	2.2	92
99	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
100	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host α -guest interaction. <i>Chemical Communications</i> , 2018, 54, 1117-1120.	2.2	92
101	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
102	Photocatalytic Hydrogen Evolution from Glycerol and Water over Nickel α -Hybrid Cadmium Sulfide Quantum Dots under Visible α -Light Irradiation. <i>ChemSusChem</i> , 2014, 7, 1468-1475.	3.6	91
103	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. <i>Chemical Communications</i> , 2014, 50, 7001-7003.	2.2	91
104	The singlet excited state of BODIPY promoted aerobic cross-dehydrogenative-coupling reactions under visible light. <i>Chemical Communications</i> , 2015, 51, 11256-11259.	2.2	91
105	A Bio α -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
106	Quantum Dot Assembly for Light α -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
107	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
108	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

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109	Activation of C-H Bonds through Oxidant-Free Photoredox Catalysis: Cross-Coupling Hydrogen-Evolution Transformation of Isochromans and β -Keto Esters. <i>Chemistry - A European Journal</i> , 2015, 21, 18080-18084.	1.7	85
110	"Naked" Magnetically Recyclable Mesoporous Au-Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. <i>Advanced Functional Materials</i> , 2017, 27, 1606215.	7.8	85
111	Exploring the Reducing Ability of Organic Dye (Acridine-Mes) for Fluorination and Oxidation of Benzylic C-H Bonds under Visible Light Irradiation. <i>Organic Letters</i> , 2017, 19, 3009-3012.	2.4	85
112	Bubble template synthesis of Sn ₂ Nb ₂ O ₇ hollow spheres for enhanced visible-light-driven photocatalytic hydrogen production. <i>Chemical Communications</i> , 2013, 49, 9872.	2.2	84
113	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
114	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
115	Mesoporous plasmonic Au-loaded Ta ₂ O ₅ nanocomposites for efficient visible light photocatalysis. <i>Catalysis Today</i> , 2014, 225, 158-163.	2.2	82
116	An isolable catenane consisting of two Möbius conjugated nano hoops. <i>Nature Communications</i> , 2018, 9, 3037.	5.8	82
117	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
118	Facile synthesis of ultrathin SnNb ₂ O ₆ nanosheets towards improved visible-light photocatalytic H ₂ -production activity. <i>Chemical Communications</i> , 2016, 52, 8239-8242.	2.2	79
119	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 34, 57-63.	7.1	78
120	Photocatalytic organic transformation by layered double hydroxides: highly efficient and selective oxidation of primary aromatic amines to their imines under ambient aerobic conditions. <i>Chemical Communications</i> , 2014, 50, 6664.	2.2	77
121	Reactions of Singlet Oxygen with Olefins and Sterically Hindered Amine in Mixed Surfactant Vesicles. <i>Journal of the American Chemical Society</i> , 2000, 122, 2446-2451.	6.6	76
122	Versatile Photosensitization System for 1O ₂ -Mediated Oxidation of Alkenes Based on Nafion-Supported Platinum(II) Terpyridyl Acetylide Complex. <i>Organic Letters</i> , 2003, 5, 3221-3224.	2.4	76
123	Fe-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
124	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
125	Visible Light Catalysis-Assisted Assembly of Ni ₃ -QD Hollow Nanospheres in Situ via Hydrogen Bubbles. <i>Journal of the American Chemical Society</i> , 2014, 136, 8261-8268.	6.6	74
126	Synthesis and Characterization of a Pentiptycene-Derived Dual Oligoparaphenylene Nanohoop. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3943-3947.	7.2	74

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127	Photocatalytic Hydrogen Evolution by [FeFe] Hydrogenase Mimics in Homogeneous Solution. Chemistry - an Asian Journal, 2010, 5, 1796-1803.	1.7	72
128	Aggregation behavior of a chiral long-chain ionic liquid in aqueous solution. Journal of Colloid and Interface Science, 2010, 343, 94-101.	5.0	72
129	Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. Chemistry - A European Journal, 2018, 24, 11530-11534.	1.7	71
130	Oxidative Cyclization Synthesis of Tetrahydroquinolines and Reductive Hydrogenation of Maleimides under Redox-Neutral Conditions. Organic Letters, 2018, 20, 2916-2920.	2.4	71
131	Photocatalytic C=C Bond Activation of Oxime Ester for Acyl Radical Generation and Application. Organic Letters, 2019, 21, 4153-4158.	2.4	71
132	Fluorescent sensors for selective detection of thiols: expanding the intramolecular displacement based mechanism to new chromophores. Analyst, The, 2014, 139, 1389.	1.7	70
133	Direct C-H difluoromethylenephosphonation of arenes and heteroarenes with bromodifluoromethyl phosphonate via visible-light photocatalysis. Chemical Communications, 2014, 50, 15916-15919.	2.2	70
134	Photocatalytic hydrogen production from a simple water-soluble [FeFe]-hydrogenase model system. Chemical Communications, 2012, 48, 8081.	2.2	68
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