Li-Zhu Wu

List of Publications by Year
in descending order

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423 papers	36,157 citations	92 h-index	172 g-index
		3149	4419
456 all docs	456 docs citations	456 times ranked	29526 citing authors

#	Article	IF	Citations
1	Adsorption of polyhaloalkane vapors by adaptive macrocycle crystals of WreathArene through C-halogenâ‹¯Ï€ interactions. Chinese Chemical Letters, 2022, 33, 1970-1974.	4.8	14
2	Rational Design of Dotâ€onâ€Rod Nanoâ€Heterostructure for Photocatalytic CO₂ Reduction: Pivotal Role of Hole Transfer and Utilization. Advanced Materials, 2022, 34, e2106662.	11.1	42
3	A Conjugated Figureâ€ofâ€eight Oligoparaphenylene Nanohoop with Adaptive Cavities Derived from Cyclooctatetrathiophene Core. Angewandte Chemie, 2022, 134, e202113334.	1.6	2
4	A Conjugated Figureâ€ofâ€Eight Oligoparaphenylene Nanohoop with Adaptive Cavities Derived from Cyclooctatetrathiophene Core. Angewandte Chemie - International Edition, 2022, 61, .	7.2	33
5	Photocatalytic Synthesis of Quinolines via Povarov Reaction under Oxidant-Free Conditions. Organic Letters, 2022, 24, 1180-1185.	2.4	11
6	Siteâ€Selective Nâ€1 and Câ€3 Heteroarylation of Indole with Heteroarylnitriles by Organocatalysis under Visible Light. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
7	Reductive Carbonâ€“Carbon Coupling on Metal Sites Regulates Photocatalytic CO₂ Reduction in Water Using ZnSe Quantum Dots. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
8	Direct C(sp)â€“H/Siâ€“H Cross-Coupling via Copper Salts Photocatalysis. Organic Letters, 2022, 24, 5192-5196.	2.4	10
9	Silica-supported dual-dye nanoprobes for ratiometric hypoxia sensing. Materials Chemistry Frontiers, 2021, 5, 458-464.	3.2	5
10	Nitrogenase inspired artificial photosynthetic nitrogen fixation. CheM, 2021, 7, 1431-1450.	5.8	43
11	Perâ€6â€Thiolâ€Cyclodextrin Engineered [FeFe]â€Hydrogenase Mimic/CdSe Quantum Dot Assembly for Photocatalytic Hydrogen Production. Solar Rrl, 2021, 5, 2000474.	3.1	9
12	Site-selective D₂O-mediated deuteration of diaryl alcohols via quantum dots photocatalysis. Chemical Communications, 2021, 57, 6768-6771.	2.2	23
13	Controllable Z/E-selective synthesis of Î±-amino-ketoximes from N-nitrososulfonamides and aryl alkenes under neutral conditions. Organic Chemistry Frontiers, 2021, 8, 5785-5792.	2.3	10
14	Tandem [2 + 2] Cycloaddition/Rearrangement toward Carbazoles by Visible-Light Photocatalysis. Organic Letters, 2021, 23, 2135-2139.	2.4	12
15	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. Nature Communications, 2021, 12, 1354.	5.8	286
16	Bioinspired Selective Synthesis of Heterodimer 8â€“5â€² or 8â€“Oâ€“4â€² Neolignan Analogs. Organic Letters, 2021, 23, 2816-2820.	2.4	9
17	Semiconductor nanoparticles photocatalyze precise organic cycloaddition. CheM, 2021, 7, 842-844.	5.8	4
18	Direct Allylic C(sp³)â^'H and Vinylic C(sp²)â^'H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. Angewandte Chemie - International Edition, 2021, 60, 11779-11783.	7.2	54

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19	Metallaphotoredox Dearomatization of Indoles by a Benzamide-Empowered [4 + 2] Annulation: Facile Access to Indolo[2,3-c]isoquinolin-5-ones. ACS Catalysis, 2021, 11, 5054-5060.	5.5	28
20	Quantum dots enable direct alkylation and arylation of allylic C(sp3)â€“H bonds with hydrogen evolution by solar energy. CheM, 2021, 7, 1244-1257.	5.8	59
21	Tandem photoelectrochemical and photoredox catalysis for efficient and selective aryl halides functionalization by solar energy. Matter, 2021, 4, 2354-2366.	5.0	24
22	Palladium-Catalyzed Desymmetric Intermolecular Câ€“N Coupling Enabled by a Chiral Monophosphine Ligand Derived from Anthracene Photodimer. Organic Letters, 2021, 23, 5485-5490.	2.4	7
23	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. Angewandte Chemie - International Edition, 2021, 60, 21728-21731.	7.2	63
24	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. Angewandte Chemie, 2021, 133, 21896-21899.	1.6	8
25	Direct, Siteâ€Selective and Redoxâ€Neutral Î±â€Câ^'H Bond Functionalization of Tetrahydrofurans via Quantum Dots Photocatalysis. Angewandte Chemie - International Edition, 2021, 60, 27201-27205.	7.2	49
26	Direct 1,2â€Dicarbonylation of Alkenes towards 1,4â€Diketones via Photocatalysis. Angewandte Chemie - International Edition, 2021, 60, 26822-26828.	7.2	41
27	Enhancing the Supply of Activated Hydrogen to Promote Photocatalytic Nitrogen Fixation. , 2021, 3, 1521-1527.		35
28	Probe Binding Mode and Structure of the Photocatalytic Center: Hydrogen Generation by Quantum Dots and Nickel Ions. Energy & Fuels, 2021, 35, 19185-19190.	2.5	7
29	Direct, Siteâ€Selective and Redoxâ€Neutral Î±â€Câ^'H Bond Functionalization of Tetrahydrofurans via Quantum Dots Photocatalysis. Angewandte Chemie, 2021, 133, 27407-27411.	1.6	12
30	Mechanistic Insights Into Iron(II) Bis(pyridyl)amineâ€Bipyridine Skeleton for Selective CO₂ Photoreduction. Angewandte Chemie - International Edition, 2021, 60, 26072-26079.	7.2	25
31	N-Iodosuccinimide and dioxygen in an air-enabled synthesis of 10-phenanthrenols under sunlight. Green Chemistry, 2021, 23, 7193-7198.	4.6	14
32	Direct Câ€“H Thiolation for Selective Cross-Coupling of Arenes with Thiophenols via Aerobic Visible-Light Catalysis. Organic Letters, 2021, 23, 8082-8087.	2.4	21
33	Semi-artificial photoelectrochemical synthesis. Joule, 2021, 5, 2771-2773.	11.7	3
34	Adsorptive separation of cyclohexanol and cyclohexanone by nonporous adaptive crystals of RhombicArene. Chemical Science, 2021, 12, 15528-15532.	3.7	28
35	Benzyl C-O and C-N Bond Construction via C-C Bond Dissociation of Oxime Ester under Visible Light Irradiation. European Journal of Organic Chemistry, 2020, 2020, 1551-1558.	1.2	7
36	Photoredox Oxo-C(sp³)â€“H Bond Functionalization via in Situ Cu(I)-Acetylide Catalysis. Organic Letters, 2020, 22, 832-836.	2.4	27

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37	Ultrafast Vibrational Energy Transfer through the Covalent Bond and Intra- and Intermolecular Hydrogen Bonds in a Supramolecular Dimer by Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry B, 2020, 124, 544-555.	1.2	7
38	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. Energy and Environmental Science, 2020, 13, 1326-1346.	15.6	115
39	BowtieArene: A Dual Macrocycle Exhibiting Stimuliâ€Responsive Fluorescence. Angewandte Chemie - International Edition, 2020, 59, 10059-10065.	7.2	120
40	Optimal d-band-induced Cu₃N as a cocatalyst on metal sulfides for boosting photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 22601-22606.	5.2	20
41	Identifying a Real Catalyst of [NiFe]â€Hydrogenase Mimic for Exceptional H 2 Photogeneration. Angewandte Chemie - International Edition, 2020, 59, 18400-18404.	7.2	11
42	Bioinspired metal complexes for energy-related photocatalytic small molecule transformation. Chemical Communications, 2020, 56, 15496-15512.	2.2	22
43	Monochromophoreâ€Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. Angewandte Chemie - International Edition, 2020, 59, 23456-23460.	7.2	62
44	Monochromophoreâ€Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. Angewandte Chemie, 2020, 132, 23662-23666.	1.6	7
45	Semiconductor nanocrystals for small molecule activationviaartificial photosynthesis. Chemical Society Reviews, 2020, 49, 9028-9056.	18.7	127
46	Light-Manipulated Spatiotemporal Electrochemiluminescence: A Smart Toolkit for Redox Imaging. Matter, 2020, 3, 615-616.	5.0	0
47	Metal-Free, Redox-Neutral, Site-Selective Access to Heteroarylamine via Direct Radicalâ€“Radical Cross-Coupling Powered by Visible Light Photocatalysis. Journal of the American Chemical Society, 2020, 142, 16805-16813.	6.6	84
48	Photoredox/Cobalt-Catalyzed C(sp³)â€“H Bond Functionalization toward Phenanthrene Skeletons with Hydrogen Evolution. Organic Letters, 2020, 22, 9627-9632.	2.4	26
49	Mesoporous Silica-Coated Gold Nanorods with Designable Anchor Peptides for Chemo-Photothermal Cancer Therapy. ACS Applied Nano Materials, 2020, 3, 5070-5078.	2.4	35
50	Visible Light-Catalyzed Benzylic Câ€“H Bond Chlorination by a Combination of Organic Dye (Acr⁺-Mes) and N-Chlorosuccinimide. Journal of Organic Chemistry, 2020, 85, 9080-9087.	1.7	40
51	Controllable synthesis of 2- and 3-aryl-benzomorpholines from 2-aminophenols and 4-vinylphenols. Chemical Communications, 2020, 56, 7941-7944.	2.2	12
52	Flower-like cobalt carbide for efficient carbon dioxide conversion. Chemical Communications, 2020, 56, 7849-7852.	2.2	30
53	Amphiphilic Oxo-Bridged Ruthenium â€œGreen Dimerâ€for Water Oxidation. IScience, 2020, 23, 100969.	1.9	15
54	Cobaloxime Catalysis for Enamine Phosphorylation with Hydrogen Evolution. Organic Letters, 2020, 22, 5385-5389.	2.4	38

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55	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. Matter, 2020, 3, 571-585.	5.0	36
56	Unveiling Catalytic Sites in a Typical Hydrogen Photogeneration System Consisting of Semiconductor Quantum Dots and 3d-Metal Ions. Journal of the American Chemical Society, 2020, 142, 4680-4689.	6.6	51
57	Pure Organic Room Temperature Phosphorescence from Unique Micelleâ€Assisted Assembly of Nanocrystals in Water. Advanced Functional Materials, 2020, 30, 1907282.	7.8	75
58	Borylation of Diazonium Salts by Highly Emissive and Crystalline Carbon Dots in Water. ChemSusChem, 2020, 13, 1715-1719.	3.6	25
59	ZnCl2 Enabled Synthesis of Highly Crystalline and Emissive Carbon Dots with Exceptional Capability to Generate O2â‹…â€“. Matter, 2020, 2, 495-506.	5.0	63
60	FeOâ€“CeO2 nanocomposites: an efficient and highly selective catalyst system for photothermal CO2 reduction to CO. NPG Asia Materials, 2020, 12, .	3.8	76
61	Photoredox Catalysis of Aromatic Î²â€Ketoesters for in Situ Production of Transient and Persistent Radicals for Organic Transformation. Angewandte Chemie - International Edition, 2020, 59, 5365-5370.	7.2	37
62	Efficient Photocatalytic Nitrogen Fixation over Cu^{Î´}⁺â€Modified Defective ZnAlâ€Layered Double Hydroxide Nanosheets. Advanced Energy Materials, 2020, 10, 1901973.	10.2	173
63	Thiol Activation toward Selective Thiolation of Aromatic Câ€“H Bond. Organic Letters, 2020, 22, 3804-3809.	2.4	26
64	Multipleâ€State Emissions from Neat, Singleâ€Component Molecular Solids: Suppression of Kasha's Rule. Angewandte Chemie - International Edition, 2020, 59, 10173-10178.	7.2	49
65	Aggregation-Enabled Intermolecular Photo[2+2]cycloaddition of Aryl Terminal Olefins by Visible-Light Catalysis. CCS Chemistry, 2020, 2, 582-588.	4.6	3
66	Cobaloxime Catalysis: Selective Synthesis of Alkenylphosphine Oxides under Visible Light. Journal of the American Chemical Society, 2019, 141, 13941-13947.	6.6	93
67	A Monophosphine Ligand Derived from Anthracene Photodimer: Synthetic Applications for Palladium-Catalyzed Coupling Reactions. Organic Letters, 2019, 21, 8158-8163.	2.4	15
68	Photoinduced synthesis of fluorinated dibenz[b,e]azepines via radical triggered cyclization. Chemical Communications, 2019, 55, 10848-10851.	2.2	42
69	Direct Arylation of Unactivated Alkanes with Heteroarenes by Visible-Light Catalysis. Journal of Organic Chemistry, 2019, 84, 12904-12912.	1.7	39
70	Stiff-stilbene derivatives as new bright fluorophores with aggregation-induced emission. Science China Chemistry, 2019, 62, 1194-1197.	4.2	15
71	Efficient and Selective CO2 Reduction Integrated with Organic Synthesis by Solar Energy. CheM, 2019, 5, 2605-2616.	5.8	179
72	Photoelectrochemical cell for Pâ€“H/Câ€“H cross-coupling with hydrogen evolution. Chemical Communications, 2019, 55, 10376-10379.	2.2	47

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73	Semiconductor Quantum Dots: An Emerging Candidate for CO₂ Photoreduction. Advanced Materials, 2019, 31, e1900709.	11.1	316
74	Regioselective Ortho Amination of an Aromatic Câ€“H Bond by Trifluoroacetic Acid via Electrochemistry. Organic Letters, 2019, 21, 5581-5585.	2.4	36
75	Visible Light Irradiation of Acyl Oxime Esters and Styrenes Efficiently Constructs Î²-Carbonyl Imides by a Scission and Four-Component Reassembly Process. Organic Letters, 2019, 21, 8789-8794.	2.4	41
76	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. Advanced Functional Materials, 2019, 29, 1808079.	7.8	95
77	Preparation of Heterocycles via Visible-Light-Driven Aerobic Selenation of Olefins with Diselenides. Organic Letters, 2019, 21, 885-889.	2.4	55
78	Photocatalytic hydrogen evolution of 1-tetralones to Î±-naphthols by continuous-flow technology. Catalysis Science and Technology, 2019, 9, 3337-3341.	2.1	7
79	Visible-Light-Triggered Selective Intermolecular [2+2] Cycloaddition of Extended Enones: 2-Oxo-3-enoates and 2,4-Dien-1-ones with Olefins. Journal of Organic Chemistry, 2019, 84, 9257-9269.	1.7	12
80	Photocatalytic Câ€“C Bond Activation of Oxime Ester for Acyl Radical Generation and Application. Organic Letters, 2019, 21, 4153-4158.	2.4	71
81	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. Angewandte Chemie - International Edition, 2019, 58, 8443-8447.	7.2	37
82	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. Angewandte Chemie, 2019, 131, 8531-8535.	1.6	5
83	Von Sonnenlicht zu Brennstoffen: aktuelle Fortschritte der C₁â€Solarchemie. Angewandte Chemie, 2019, 131, 17690-17715.	1.6	31
84	From Solar Energy to Fuels: Recent Advances in Lightâ€Driven C₁ Chemistry. Angewandte Chemie - International Edition, 2019, 58, 17528-17551.	7.2	285
85	Pure Organic Room Temperature Phosphorescence from Excited Dimers in Self-Assembled Nanoparticles under Visible and Near-Infrared Irradiation in Water. Journal of the American Chemical Society, 2019, 141, 5045-5050.	6.6	285
86	Tuning Oxygen Vacancies in Ultrathin TiO₂ Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. Advanced Materials, 2019, 31, e1806482.	11.1	732
87	Visible-Light-Induced Nanoparticle Assembly for Effective Hydrogen Photogeneration. ACS Sustainable Chemistry and Engineering, 2019, 7, 7286-7293.	3.2	12
88	Photothermal hydrocarbon synthesis using alumina-supported cobalt metal nanoparticle catalysts derived from layered-double-hydroxide nanosheets. Nano Energy, 2019, 60, 467-475.	8.2	67
89	Quantum Dot Assembly for Lightâ€Driven Multielectron Redox Reactions, such as Hydrogen Evolution and CO₂ Reduction. Angewandte Chemie - International Edition, 2019, 58, 10804-10811.	7.2	91
90	Catalytic Hydrogen Production Using A Cobalt Catalyst Bearing a Phosphinoamine Ligand. ChemPhotoChem, 2019, 3, 220-224.	1.5	5

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91	Visible light-catalytic dehydrogenation of benzylic alcohols to carbonyl compounds by using an eosin Y and nickelâ€“thiolate complex dual catalyst system. Green Chemistry, 2019, 21, 1401-1405.	4.6	43
92	Ammonia Detection Methods in Photocatalytic and Electrocatalytic Experiments: How to Improve the Reliability of NH₃ Production Rates?. Advanced Science, 2019, 6, 1802109.	5.6	379
93	Hand-in-hand quantum dot assembly sensitized photocathodes for enhanced photoelectrochemical hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 26098-26104.	5.2	10
94	Susceptible Surface Sulfide Regulates Catalytic Activity of CdSe Quantum Dots for Hydrogen Photogeneration. Advanced Materials, 2019, 31, e1804872.	11.1	55
95	Two-dimensional-related catalytic materials for solar-driven conversion of CO_x into valuable chemical feedstocks. Chemical Society Reviews, 2019, 48, 1972-2010.	18.7	350
96	Synthesis and Characterization of a Pentiptyceneâ€Derived Dual Oligoparaphenylene Nanohoop. Angewandte Chemie - International Edition, 2019, 58, 3943-3947.	7.2	74
97	Construction of Cyclobutanes by Multicomponent Cascade Reactions in Homogeneous Solution through Visibleâ€Light Catalysis. Chemistry - A European Journal, 2019, 25, 879-884.	1.7	13
98	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. Journal of Energy Chemistry, 2019, 34, 57-63.	7.1	78
99	Chiral Inductions in Excited State Reactions: Photodimerization of Alkyl 2â€Naphthoates as a Model. Photochemistry and Photobiology, 2019, 95, 24-32.	1.3	4
100	Subâ€3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. Advanced Energy Materials, 2018, 8, 1703585.	10.2	274
101	Surface stoichiometry manipulation enhances solar hydrogen evolution of CdSe quantum dots. Journal of Materials Chemistry A, 2018, 6, 6015-6021.	5.2	57
102	Mechanistic studies on the atmosphere and light tuned synthesis of cyclobuta/penta[b]indoles. Organic Chemistry Frontiers, 2018, 5, 1890-1895.	2.3	13
103	Self-assembled inorganic clusters of semiconducting quantum dots for effective solar hydrogen evolution. Chemical Communications, 2018, 54, 4858-4861.	2.2	14
104	Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. Chemistry - A European Journal, 2018, 24, 11530-11534.	1.7	71
105	Effect of electron transfer on the photocatalytic hydrogen evolution efficiency of faceted TiO₂/CdSe QDs under visible light. New Journal of Chemistry, 2018, 42, 4811-4817.	1.4	20
106	Silicaâ€Protected Ultrathin Ni₃FeN Nanocatalyst for the Efficient Hydrolytic Dehydrogenation of NH₃BH₃. Advanced Energy Materials, 2018, 8, 1702780.	10.2	66
107	Template-free large-scale synthesis of g-C3N4 microtubes for enhanced visible light-driven photocatalytic H2 production. Nano Research, 2018, 11, 3462-3468.	5.8	199
108	Threeâ€Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. Angewandte Chemie, 2018, 130, 198-203.	1.6	41

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109	Filamentous Virus Oriented Pyrene Excimer Emission and Its Efficient Energy Transfer. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 32-37.	2.0	5
110	Enhanced Charge Separation Efficiency Accelerates Hydrogen Evolution from Water of Carbon Nitride and 3,4,9,10-Perylene-tetracarboxylic Dianhydride Composite Photocatalyst. ACS Applied Materials & Interfaces, 2018, 10, 3515-3521.	4.0	35
111	Chen-Ho Tung and his research on supramolecular photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 2-8.	2.0	0
112	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based hostâ€“guest interaction. Chemical Communications, 2018, 54, 1117-1120.	2.2	92
113	Photoinduced hydroxylperfluoroalkylation of styrenes. Organic Chemistry Frontiers, 2018, 5, 1045-1048.	2.3	34
114	Recent Advances in Sensitized Photocathodes: From Molecular Dyes to Semiconducting Quantum Dots. Advanced Science, 2018, 5, 1700684.	5.6	65
115	Eosinâ€…Y as a Direct Hydrogenâ€Atom Transfer Photocatalyst for the Functionalization of Câ^'H Bonds. Angewandte Chemie - International Edition, 2018, 57, 8514-8518.	7.2	304
116	A Bioâ€inspired Cu₄O₄ Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. Angewandte Chemie - International Edition, 2018, 57, 7850-7854.	7.2	91
117	Two-step hydrothermal synthesis of Sn2Nb2O7 nanocrystals with enhanced visible-light-driven H2 evolution activity. Chinese Journal of Catalysis, 2018, 39, 395-400.	6.9	17
118	Efficient electronic communication-driven photoinduced charge-separation in 2-ureido-4[1H]-pyrimidinone quadruple hydrogen-bonded N,N-dimethylaniline-anthracene assemblies. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 457-466.	2.0	12
119	Aluminaâ€Supported CoFe Alloy Catalysts Derived from Layeredâ€Doubleâ€Hydroxide Nanosheets for Efficient Photothermal CO₂ Hydrogenation to Hydrocarbons. Advanced Materials, 2018, 30, 1704663.	11.1	309
120	Holeâ€Transferâ€Layer Modification of Quantum Dotâ€Sensitized Photocathodes for Dramatically Enhanced Hydrogen Evolution. Particle and Particle Systems Characterization, 2018, 35, 1700278.	1.2	3
121	Threeâ€Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2018, 57, 192-197.	7.2	106
122	Visible-light-promoted aerobic metal-free aminothiocyanation of activated ketones. Green Chemistry, 2018, 20, 5464-5468.	4.6	61
123	Eosin Y- and Copper-Catalyzed Dark Reaction To Construct Ene-Î³-Lactams. Organic Letters, 2018, 20, 7220-7224.	2.4	29
124	Visible-light-enabled aerobic synthesis of benzoin bis-ethers from alkynes and alcohols. Green Chemistry, 2018, 20, 5479-5483.	4.6	26
125	Efficient photocatalytic hydrogen evolution with ligand engineered all-inorganic InP and InP/ZnS colloidal quantum dots. Nature Communications, 2018, 9, 4009.	5.8	179
126	Photocatalytic Activation of Less Reactive Bonds and Their Functionalization via Hydrogen-Evolution Cross-Couplings. Accounts of Chemical Research, 2018, 51, 2512-2523.	7.6	216

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127	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. Organic Letters, 2018, 20, 6808-6811.	2.4	8
128	Metallic Co₂C: A Promising Co-catalyst To Boost Photocatalytic Hydrogen Evolution of Colloidal Quantum Dots. ACS Catalysis, 2018, 8, 5890-5895.	5.5	92
129	A light-driven molecular machine based on stiff stilbene. Chemical Communications, 2018, 54, 7991-7994.	2.2	47
130	Exceptional Catalytic Nature of Quantum Dots for Photocatalytic Hydrogen Evolution without External Cocatalysts. Advanced Functional Materials, 2018, 28, 1801769.	7.8	54
131	Reductive Transformation of Layeredâ€Doubleâ€Hydroxide Nanosheets to Feâ€Based Heterostructures for Efficient Visibleâ€Light Photocatalytic Hydrogenation of CO. Advanced Materials, 2018, 30, e1803127.	11.1	100
132	Direct synthesis of sulfide capped CdS and CdS/ZnS colloidal nanocrystals for efficient hydrogen evolution under visible light irradiation. Journal of Materials Chemistry A, 2018, 6, 16328-16332.	5.2	29
133	Semiconducting quantum dots forÂartificial photosynthesis. Nature Reviews Chemistry, 2018, 2, 160-173.	13.8	334
134	An isolable catenane consisting of two MÃ¶bius conjugated nanohoops. Nature Communications, 2018, 9, 3037.	5.8	82
135	Oxidative Cyclization Synthesis of Tetrahydroquinolines and Reductive Hydrogenation of Maleimides under Redox-Neutral Conditions. Organic Letters, 2018, 20, 2916-2920.	2.4	71
136	Luminescence-Tunable Polynorbornenes for Simultaneous Multicolor Imaging in Subcellular Organelles. Biomacromolecules, 2018, 19, 2750-2758.	2.6	10
137	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. Materials Chemistry Frontiers, 2018, 2, 1893-1899.	3.2	39
138	Coâ€Based Catalysts Derived from Layeredâ€Doubleâ€Hydroxide Nanosheets for the Photothermal Production of Light Olefins. Advanced Materials, 2018, 30, e1800527.	11.1	139
139	A Bioâ€inspired Cu₄O₄ Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. Angewandte Chemie, 2018, 130, 7976-7980.	1.6	19
140	Nanocrystals@Hollow Mesoporous Silica Reverseâ€Bumpyâ€Ball Structure Nanoreactors by a Versatile Microemulsionâ€Templated Approach. Small Methods, 2018, 2, 1800105.	4.6	23
141	A simple, modular synthesis of bifunctional peptide-polynorbornenes for apoptosis induction and fluorescence imaging of cancer cells. Polymer Chemistry, 2018, 9, 77-86.	1.9	8
142	â€œNakedâ€•Magnetically Recyclable Mesoporous Auâ€“Î³â€Fe₂O₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. Advanced Functional Materials, 2017, 27, 1606215.	7.8	85
143	Visibleâ€Lightâ€Promoted Asymmetric Crossâ€Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. Angewandte Chemie - International Edition, 2017, 56, 3694-3698.	7.2	208
144	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. Angewandte Chemie, 2017, 129, 3748-3752.	1.6	47

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145	A Redox Shuttle Accelerates O₂ Evolution of Photocatalysts Formed In Situ under Visible Light. Advanced Materials, 2017, 29, 1606009.	11.1	48
146	Self-Assembled Framework Enhances Electronic Communication of Ultrasmall-Sized Nanoparticles for Exceptional Solar Hydrogen Evolution. Journal of the American Chemical Society, 2017, 139, 4789-4796.	6.6	146
147	Enhanced visible-light-driven hydrogen generation by in situ formed photocatalyst RGOâ€“CdSâ€“Ni_xS from metal salts and RGOâ€“CdS composites. Journal of Materials Chemistry A, 2017, 5, 9537-9543.	5.2	29
148	Photocatalysis with Quantum Dots and Visible Light: Selective and Efficient Oxidation of Alcohols to Carbonyl Compounds through a Radical Relay Process in Water. Angewandte Chemie - International Edition, 2017, 56, 3020-3024.	7.2	151
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