

Li-Zhu Wu

List of Publications by Year in descending order

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papers

36,157
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3668

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33176
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of polyhaloalkane vapors by adaptive macrocycle crystals of WreathArene through C-halogen π - π interactions. Chinese Chemical Letters, 2022, 33, 1970-1974.	4.8	14
2	Rational Design of Dot π - π Rod Nano π -Heterostructure for Photocatalytic CO ₂ Reduction: Pivotal Role of Hole Transfer and Utilization. Advanced Materials, 2022, 34, e2106662.	11.1	42
3	A Conjugated Figure π -of π -Eight Oligoparaphenylene Nanohoop with Adaptive Cavities Derived from Cyclooctatetrathiophene Core. Angewandte Chemie, 2022, 134, e202113334.	1.6	2
4	A Conjugated Figure π -of π -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	Site π -selective α -N and β -C Heteroarylation of Indole with HeteroarylNitriles by Organocatalysis under Visible Light. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
7	Reductive Carbon π -Carbon Coupling on Metal Sites Regulates Photocatalytic CO ₂ Reduction in Water Using ZnSe Quantum Dots. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
8	Direct C(α -H) π -H Cross-Coupling via Copper Salts Photocatalysis. Organic Letters, 2022, 24, 5192-5196.	2.4	10
9	Silica-supported dual-dye nanoprobe 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	Per π -Thiol π -Cyclodextrin Engineered [FeFe] π -Hydrogenase Mimic/CdSe Quantum Dot Assembly for Photocatalytic Hydrogen Production. Solar Rrl, 2021, 5, 2000474.	3.1	9
12	Site-selective D ₂ O-mediated deuteration of diaryl alcohols α -via quantum dots photocatalysis. Chemical Communications, 2021, 57, 6768-6771.	2.2	23
13	Controllable α -Z/ α -E-selective synthesis of β -amino-ketoximes from α -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 8 π -5 π or 8 π - α -O π -4 π 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(α -H) and Vinylic C(α -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. <i>ACS Catalysis</i> , 2021, 11, 5054-5060.	5.5	28
20	Quantum dots enable direct alkylation and arylation of allylic C(sp ³)-H bonds with hydrogen evolution by solar energy. <i>CheM</i> , 2021, 7, 1244-1257.	5.8	59
21	Tandem photoelectrochemical and photoredox catalysis for efficient and selective aryl halides functionalization by solar energy. <i>Matter</i> , 2021, 4, 2354-2366.	5.0	24
22	Palladium-Catalyzed Desymmetric Intermolecular C-N Coupling Enabled by a Chiral Monophosphine Ligand Derived from Anthracene Photodimer. <i>Organic Letters</i> , 2021, 23, 5485-5490.	2.4	7
23	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21728-21731.	7.2	63
24	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 21896-21899.	1.6	8
25	Direct, Site-Selective and Redox-Neutral C-H Bond Functionalization of Tetrahydrofurans via Quantum Dots Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27201-27205.	7.2	49
26	Direct 1,2-Dicarbonylation of Alkenes towards 1,4-Diketones via Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 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. <i>Energy & Fuels</i> , 2021, 35, 19185-19190.	2.5	7
29	Direct, Site-Selective and Redox-Neutral C-H Bond Functionalization of Tetrahydrofurans via Quantum Dots Photocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 27407-27411.	1.6	12
30	Mechanistic Insights Into Iron(II) Bis(pyridyl)amine-Bipyridine Skeleton for Selective CO ₂ Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26072-26079.	7.2	25
31	Iodosuccinimide and dioxygen in an air-enabled synthesis of 10-phenanthrenols under sunlight. <i>Green Chemistry</i> , 2021, 23, 7193-7198.	4.6	14
32	Direct C-H Thiolation for Selective Cross-Coupling of Arenes with Thiophenols via Aerobic Visible-Light Catalysis. <i>Organic Letters</i> , 2021, 23, 8082-8087.	2.4	21
33	Semi-artificial photoelectrochemical synthesis. <i>Joule</i> , 2021, 5, 2771-2773.	11.7	3
34	Adsorptive separation of cyclohexanol and cyclohexanone by nonporous adaptive crystals of RhombicArene. <i>Chemical Science</i> , 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. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1551-1558.	1.2	7
36	Photoredox Oxo-C(sp ³)-H Bond Functionalization via in Situ Cu(I)-Acetylide Catalysis. <i>Organic Letters</i> , 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. <i>Journal of Physical Chemistry B</i> , 2020, 124, 544-555.	1.2	7
38	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. <i>Energy and Environmental Science</i> , 2020, 13, 1326-1346.	15.6	115
39	BowtieArene: A Dual Macrocyclic Exhibiting Stimuli-Responsive Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10059-10065.	7.2	120
40	Optimal d-band-induced Cu ₃ N as a cocatalyst on metal sulfides for boosting photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22601-22606.	5.2	20
41	Identifying a Real Catalyst of [NiFe]-Hydrogenase Mimic for Exceptional H ₂ Photogeneration. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18400-18404.	7.2	11
42	Bioinspired metal complexes for energy-related photocatalytic small molecule transformation. <i>Chemical Communications</i> , 2020, 56, 15496-15512.	2.2	22
43	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23456-23460.	7.2	62
44	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. <i>Angewandte Chemie</i> , 2020, 132, 23662-23666.	1.6	7
45	Semiconductor nanocrystals for small molecule activation via artificial photosynthesis. <i>Chemical Society Reviews</i> , 2020, 49, 9028-9056.	18.7	127
46	Light-Manipulated Spatiotemporal Electrochemiluminescence: A Smart Toolkit for Redox Imaging. <i>Matter</i> , 2020, 3, 615-616.	5.0	0
47	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
48	Photoredox/Cobalt-Catalyzed C(sp ³)-H Bond Functionalization toward Phenanthrene Skeletons with Hydrogen Evolution. <i>Organic Letters</i> , 2020, 22, 9627-9632.	2.4	26
49	Mesoporous Silica-Coated Gold Nanorods with Designable Anchor Peptides for Chemo-Photothermal Cancer Therapy. <i>ACS Applied Nano Materials</i> , 2020, 3, 5070-5078.	2.4	35
50	Visible Light-Catalyzed Benzylic C-H Bond Chlorination by a Combination of Organic Dye (Acr ⁺ -Mes) and N-Chlorosuccinimide. <i>Journal of Organic Chemistry</i> , 2020, 85, 9080-9087.	1.7	40
51	Controllable synthesis of 2- and 3-aryl-benzomorpholines from 2-aminophenols and 4-vinylphenols. <i>Chemical Communications</i> , 2020, 56, 7941-7944.	2.2	12
52	Flower-like cobalt carbide for efficient carbon dioxide conversion. <i>Chemical Communications</i> , 2020, 56, 7849-7852.	2.2	30
53	Amphiphilic Oxo-Bridged Ruthenium Green Dimer for Water Oxidation. <i>IScience</i> , 2020, 23, 100969.	1.9	15
54	Cobaloxime Catalysis for Enamine Phosphorylation with Hydrogen Evolution. <i>Organic Letters</i> , 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. <i>Matter</i> , 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. <i>Journal of the American Chemical Society</i> , 2020, 142, 4680-4689.	6.6	51
57	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
58	Borylation of Diazonium Salts by Highly Emissive and Crystalline Carbon Dots in Water. <i>ChemSusChem</i> , 2020, 13, 1715-1719.	3.6	25
59	ZnCl ₂ Enabled Synthesis of Highly Crystalline and Emissive Carbon Dots with Exceptional Capability to Generate O ₂ . <i>Matter</i> , 2020, 2, 495-506.	5.0	63
60	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
61	Photoredox Catalysis of Aromatic α -Ketoesters for in Situ Production of Transient and Persistent Radicals for Organic Transformation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5365-5370.	7.2	37
62	Efficient Photocatalytic Nitrogen Fixation over Cu ⁺ -Modified Defective ZnAl-Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020, 10, 1901973.	10.2	173
63	Thiol Activation toward Selective Thiolation of Aromatic C-H Bond. <i>Organic Letters</i> , 2020, 22, 3804-3809.	2.4	26
64	Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10173-10178.	7.2	49
65	Aggregation-Enabled Intermolecular Photo[2+2]cycloaddition of Aryl Terminal Olefins by Visible-Light Catalysis. <i>CCS Chemistry</i> , 2020, 2, 582-588.	4.6	3
66	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
67	A Monophosphine Ligand Derived from Anthracene Photodimer: Synthetic Applications for Palladium-Catalyzed Coupling Reactions. <i>Organic Letters</i> , 2019, 21, 8158-8163.	2.4	15
68	Photoinduced synthesis of fluorinated dibenz[b,e]azepines via radical triggered cyclization. <i>Chemical Communications</i> , 2019, 55, 10848-10851.	2.2	42
69	Direct Arylation of Unactivated Alkanes with Heteroarenes by Visible-Light Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 12904-12912.	1.7	39
70	Stiff-stilbene derivatives as new bright fluorophores with aggregation-induced emission. <i>Science China Chemistry</i> , 2019, 62, 1194-1197.	4.2	15
71	Efficient and Selective CO ₂ Reduction Integrated with Organic Synthesis by Solar Energy. <i>CheM</i> , 2019, 5, 2605-2616.	5.8	179
72	Photoelectrochemical cell for P-H/C-H cross-coupling with hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 10376-10379.	2.2	47

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73	Semiconductor Quantum Dots: An Emerging Candidate for CO ₂ Photoreduction. <i>Advanced Materials</i> , 2019, 31, e1900709.	11.1	316
74	Regioselective <i>ortho</i> Amination of an Aromatic C-H Bond by Trifluoroacetic Acid via Electrochemistry. <i>Organic Letters</i> , 2019, 21, 5581-5585.	2.4	36
75	Visible Light Irradiation of Acyl Oxime Esters and Styrenes Efficiently Constructs α -Carbonyl Imides by a Scission and Four-Component Reassembly Process. <i>Organic Letters</i> , 2019, 21, 8789-8794.	2.4	41
76	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
77	Preparation of Heterocycles via Visible-Light-Driven Aerobic Selenation of Olefins with Diselenides. <i>Organic Letters</i> , 2019, 21, 885-889.	2.4	55
78	Photocatalytic hydrogen evolution of 1-tetralones to α -naphthols by continuous-flow technology. <i>Catalysis Science and Technology</i> , 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. <i>Journal of Organic Chemistry</i> , 2019, 84, 9257-9269.	1.7	12
80	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
81	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8443-8447.	7.2	37
82	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. <i>Angewandte Chemie</i> , 2019, 131, 8531-8535.	1.6	5
83	Von Sonnenlicht zu Brennstoffen: aktuelle Fortschritte der C ₁ -Solarchemie. <i>Angewandte Chemie</i> , 2019, 131, 17690-17715.	1.6	31
84	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
85	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
86	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
87	Visible-Light-Induced Nanoparticle Assembly for Effective Hydrogen Photogeneration. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7286-7293.	3.2	12
88	Photothermal hydrocarbon synthesis using alumina-supported cobalt metal nanoparticle catalysts derived from layered-double-hydroxide nanosheets. <i>Nano Energy</i> , 2019, 60, 467-475.	8.2	67
89	Quantum Dot Assembly for Light-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
90	Catalytic Hydrogen Production Using A Cobalt Catalyst Bearing a Phosphinoamine Ligand. <i>ChemPhotoChem</i> , 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 nickel ^{II} -thiolate complex dual catalyst system. <i>Green Chemistry</i> , 2019, 21, 1401-1405.	4.6	43
92	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
93	Hand-in-hand quantum dot assembly sensitized photocathodes for enhanced photoelectrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26098-26104.	5.2	10
94	Susceptible Surface Sulfide Regulates Catalytic Activity of CdSe Quantum Dots for Hydrogen Photogeneration. <i>Advanced Materials</i> , 2019, 31, e1804872.	11.1	55
95	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
96	Synthesis and Characterization of a Pentiptycene ² -Derived Dual Oligoparaphenylene Nano hoop. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3943-3947.	7.2	74
97	Construction of Cyclobutanes by Multicomponent Cascade Reactions in Homogeneous Solution through Visible-Light Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 879-884.	1.7	13
98	Ultrafine monolayer Co-containing layered double hydroxide nanosheets for water oxidation. <i>Journal of Energy Chemistry</i> , 2019, 34, 57-63.	7.1	78
99	Chiral Inductions in Excited State Reactions: Photodimerization of Alkyl 2-Naphthoates as a Model. <i>Photochemistry and Photobiology</i> , 2019, 95, 24-32.	1.3	4
100	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018, 8, 1703585.	10.2	274
101	Surface stoichiometry manipulation enhances solar hydrogen evolution of CdSe quantum dots. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6015-6021.	5.2	57
102	Mechanistic studies on the atmosphere and light tuned synthesis of cyclobuta/penta[<i>b</i> / <i>i</i>]indoles. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1890-1895.	2.3	13
103	Self-assembled inorganic clusters of semiconducting quantum dots for effective solar hydrogen evolution. <i>Chemical Communications</i> , 2018, 54, 4858-4861.	2.2	14
104	Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. <i>Chemistry - A European Journal</i> , 2018, 24, 11530-11534.	1.7	71
105	Effect of electron transfer on the photocatalytic hydrogen evolution efficiency of faceted TiO ₂ /CdSe QDs under visible light. <i>New Journal of Chemistry</i> , 2018, 42, 4811-4817.	1.4	20
106	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
107	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
108	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2018, 130, 198-203.	1.6	41

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109	Filamentous Virus Oriented Pyrene Excimer Emission and Its Efficient Energy Transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 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. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3515-3521.	4.0	35
111	Chen-Ho Tung and his research on supramolecular photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 2-8.	2.0	0
112	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host-guest interaction. <i>Chemical Communications</i> , 2018, 54, 1117-1120.	2.2	92
113	Photoinduced hydroxylperfluoroalkylation of styrenes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1045-1048.	2.3	34
114	Recent Advances in Sensitized Photocathodes: From Molecular Dyes to Semiconducting Quantum Dots. <i>Advanced Science</i> , 2018, 5, 1700684.	5.6	65
115	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
116	A Bio-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
117	Two-step hydrothermal synthesis of Sn ₂ Nb ₂ O ₇ nanocrystals with enhanced visible-light-driven H ₂ evolution activity. <i>Chinese Journal of Catalysis</i> , 2018, 39, 395-400.	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. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 457-466.	2.0	12
119	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
120	Host-Transfer-Layer Modification of Quantum Dot-Sensitized Photocathodes for Dramatically Enhanced Hydrogen Evolution. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700278.	1.2	3
121	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
122	Visible-light-promoted aerobic metal-free aminothiocyation of activated ketones. <i>Green Chemistry</i> , 2018, 20, 5464-5468.	4.6	61
123	Eosin Y- and Copper-Catalyzed Dark Reaction To Construct Ene- ¹³ -Lactams. <i>Organic Letters</i> , 2018, 20, 7220-7224.	2.4	29
124	Visible-light-enabled aerobic synthesis of benzoin bis-ethers from alkynes and alcohols. <i>Green Chemistry</i> , 2018, 20, 5479-5483.	4.6	26
125	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
126	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

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127	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. <i>Organic Letters</i> , 2018, 20, 6808-6811.	2.4	8
128	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
129	A light-driven molecular machine based on stiff stilbene. <i>Chemical Communications</i> , 2018, 54, 7991-7994.	2.2	47
130	Exceptional Catalytic Nature of Quantum Dots for Photocatalytic Hydrogen Evolution without External Cocatalysts. <i>Advanced Functional Materials</i> , 2018, 28, 1801769.	7.8	54
131	Reductive Transformation of Layered Double Hydroxide Nanosheets to Fe-Based Heterostructures for Efficient Visible Light Photocatalytic Hydrogenation of CO. <i>Advanced Materials</i> , 2018, 30, e1803127.	11.1	100
132	Direct synthesis of sulfide capped CdS and CdS/ZnS colloidal nanocrystals for efficient hydrogen evolution under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16328-16332.	5.2	29
133	Semiconducting quantum dots for Artificial photosynthesis. <i>Nature Reviews Chemistry</i> , 2018, 2, 160-173.	13.8	334
134	An isolable catenane consisting of two Möbius conjugated nanohoops. <i>Nature Communications</i> , 2018, 9, 3037.	5.8	82
135	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
136	Luminescence-Tunable Polynorbornenes for Simultaneous Multicolor Imaging in Subcellular Organelles. <i>Biomacromolecules</i> , 2018, 19, 2750-2758.	2.6	10
137	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1893-1899.	3.2	39
138	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
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