Wu Lizhu

List of Publications by Year in Descending Order

380 papers	24,847 citations	84 h-index	145 g-index
410 ext. papers	29,432 ext. citations	10.5 avg, IF	7.4 L-index

#	Paper	IF	Citations
380	Site-Selective N-1 and C-3 Heteroarylation of Indole with Het-eroarylnitriles by Organocatalysis under Visible Light.. *Angewandte Chemie - International Edition*, **2022**,	16.4	1
379	Cross-Coupling Hydrogen Evolution to Avoid the Use of External Oxidants. *Springer Handbooks*, **2022**, 1457-1480	1.3	
378	Semi-artificial photoelectrochemical synthesis. *Joule*, **2021**, 5, 2771-2773	27.8	2
377	Adsorptive separation of cyclohexanol and cyclohexanone by nonporous adaptive crystals of RhombicArene.. *Chemical Science*, **2021**, 12, 15528-15532	9.4	1
376	Direct C-H Thiolation for Selective Cross-Coupling of Arenes with Thiophenols via Aerobic Visible-Light Catalysis. *Organic Letters*, **2021**, 23, 8082-8087	6.2	3
375	Rational Design of Dot-on-Rod Nano-Heterostructure for Photocatalytic CO Reduction: Pivotal Role of Hole Transfer and Utilization. *Advanced Materials*, **2021**, e2106662	24	6
374	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. *Nature Communications*, **2021**, 12, 1354	17.4	78
373	Bioinspired Selective Synthesis of Heterodimer 8-5′ or 8--4′ Neolignan Analogs. *Organic Letters*, **2021**, 23, 2816-2820	6.2	3
372	Semiconductor nanoparticles photocatalyze precise organic cycloaddition. *CheM*, **2021**, 7, 842-844	16.2	3
371	Direct Allylic C(sp)-H and Vinylic C(sp)-H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. *Angewandte Chemie - International Edition*, **2021**, 60, 11779-11783	16.4	13
370	Direct Allylic C(sp3)H and Vinylic C(sp2)H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. *Angewandte Chemie*, **2021**, 133, 11885-11889	3.6	2
369	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	13.1	12
368	Quantum dots enable direct alkylation and arylation of allylic C(sp3)H bonds with hydrogen evolution by solar energy. *CheM*, **2021**, 7, 1244-1257	16.2	17
367	Silica-supported dual-dye nanoprobes for ratiometric hypoxia sensing. *Materials Chemistry Frontiers* , **2021**, 5, 458-464	7.8	1
366	Nitrogenase inspired artificial photosynthetic nitrogen fixation. *CheM*, **2021**, 7, 1431-1450	16.2	5
365	Highly Efficient Iridium-Based Photosensitizers for Thia-PaternBchi Reaction and Aza-Photocyclization. *ACS Catalysis*, **2021**, 11, 446-455	13.1	10
364	Per-6-Thiol-Cyclodextrin Engineered [FeFe]-Hydrogenase Mimic/CdSe Quantum Dot Assembly for Photocatalytic Hydrogen Production. *Solar Rrl*, **2021**, 5, 2000474	7.1	3

363	Site-selective DO-mediated deuteration of diaryl alcohols via quantum dots photocatalysis. *Chemical Communications*, **2021**, 57, 6768-6771	5.8	3
362	Tandem [2 + 2] Cycloaddition/Rearrangement toward Carbazoles by Visible-Light Photocatalysis. *Organic Letters*, **2021**, 23, 2135-2139	6.2	3
361	Tandem photoelectrochemical and photoredox catalysis for efficient and selective aryl halides functionalization by solar energy. *Matter*, **2021**, 4, 2354-2366	12.7	6
360	Palladium-Catalyzed Desymmetric Intermolecular C-N Coupling Enabled by a Chiral Monophosphine Ligand Derived from Anthracene Photodimer. *Organic Letters*, **2021**, 23, 5485-5490	6.2	2
359	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. *Angewandte Chemie - International Edition*, **2021**, 60, 21728-21731	16.4	10
358	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. *Angewandte Chemie*, **2021**, 133, 21896-21899	3.6	3
357	Direct, Site-Selective and Redox-Neutral □C-H Bond Functionalization of Tetrahydrofurans via Quantum Dots Photocatalysis. *Angewandte Chemie - International Edition*, **2021**,	16.4	7
356	Direct 1,2-Dicarbonylation of Alkenes towards 1,4-Diketones via Photocatalysis. *Angewandte Chemie - International Edition*, **2021**, 60, 26822-26828	16.4	7
355	Mechanistic Insights Into Iron(II) Bis(pyridyl)amine-Bipyridine Skeleton for Selective CO Photoreduction. *Angewandte Chemie - International Edition*, **2021**, 60, 26072-26079	16.4	4
354	N-Iodosuccinimide and dioxygen in an air-enabled synthesis of 10-phenanthrenols under sunlight. *Green Chemistry*, **2021**, 23, 7193-7198	10	3
353	Photoredox/Cobalt-Catalyzed C(sp)-H Bond Functionalization toward Phenanthrene Skeletons with Hydrogen Evolution. *Organic Letters*, **2020**, 22, 9627-9632	6.2	11
352	Mesoporous Silica-Coated Gold Nanorods with Designable Anchor Peptides for Chemo-Photothermal Cancer Therapy. *ACS Applied Nano Materials*, **2020**, 3, 5070-5078	5.6	20
351	Visible Light-Catalyzed Benzylic C-H Bond Chlorination by a Combination of Organic Dye (Acr-Mes) and -Chlorosuccinimide. *Journal of Organic Chemistry*, **2020**, 85, 9080-9087	4.2	24
350	Controllable synthesis of 2- and 3-aryl-benzomorpholines from 2-aminophenols and 4-vinylphenols. *Chemical Communications*, **2020**, 56, 7941-7944	5.8	5
349	Innentitelbild: Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule (Angew. Chem. 25/2020). *Angewandte Chemie*, **2020**, 132, 9870-9870	3.6	
348	Flower-like cobalt carbide for efficient carbon dioxide conversion. *Chemical Communications*, **2020**, 56, 7849-7852	5.8	14
347	Amphiphilic Oxo-Bridged Ruthenium "Green Dimer" for Water Oxidation. *IScience*, **2020**, 23, 100969	6.1	8
346	Cobaloxime Catalysis for Enamine Phosphorylation with Hydrogen Evolution. *Organic Letters*, **2020**, 22, 5385-5389	6.2	8

345	Site- and Spatial-Selective Integration of Non-noble Metal Ions into Quantum Dots for Robust Hydrogen Photogeneration. *Matter*, **2020**, 3, 571-585	12.7	20
344	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	16.4	27
343	Pure Organic Room Temperature Phosphorescence from Unique Micelle-Assisted Assembly of Nanocrystals in Water. *Advanced Functional Materials*, **2020**, 30, 1907282	15.6	41
342	Borylation of Diazonium Salts by Highly Emissive and Crystalline Carbon Dots in Water. *ChemSusChem*, **2020**, 13, 1715-1719	8.3	10
341	ZnCl2 Enabled Synthesis of Highly Crystalline and Emissive Carbon Dots with Exceptional Capability to Generate O2?□*Matter*, **2020**, 2, 495-506	12.7	28
340	FeO□eO2 nanocomposites: an efficient and highly selective catalyst system for photothermal CO2 reduction to CO. *NPG Asia Materials*, **2020**, 12,	10.3	48
339	Photoredox Catalysis of Aromatic □Ketoesters for in Situ Production of Transient and Persistent Radicals for Organic Transformation. *Angewandte Chemie - International Edition*, **2020**, 59, 5365-5370	16.4	18
338	Efficient Photocatalytic Nitrogen Fixation over Cu□-Modified Defective ZnAl-Layered Double Hydroxide Nanosheets. *Advanced Energy Materials*, **2020**, 10, 1901973	21.8	82
337	Photoredox Catalysis of Aromatic □Ketoesters for in Situ Production of Transient and Persistent Radicals for Organic Transformation. *Angewandte Chemie*, **2020**, 132, 5403-5408	3.6	3
336	Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule. *Angewandte Chemie*, **2020**, 132, 10259-10264	3.6	4
335	Thiol Activation toward Selective Thiolation of Aromatic C-H Bond. *Organic Letters*, **2020**, 22, 3804-3809	6.2	15
334	Photoredox Oxo-C(sp)-H Bond Functionalization via in Situ Cu(I)-Acetylide Catalysis. *Organic Letters*, **2020**, 22, 832-836	6.2	10
333	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	3.4	3
332	Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. *Energy and Environmental Science*, **2020**, 13, 1326-1346	35.4	65
331	BowtieArene: A Dual Macrocycle Exhibiting Stimuli-Responsive Fluorescence. *Angewandte Chemie - International Edition*, **2020**, 59, 10059-10065	16.4	57
330	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	13	8
329	Identifying a Real Catalyst of [NiFe]-Hydrogenase Mimic for Exceptional H Photogeneration. *Angewandte Chemie - International Edition*, **2020**, 59, 18400-18404	16.4	6
328	Bioinspired metal complexes for energy-related photocatalytic small molecule transformation. *Chemical Communications*, **2020**, 56, 15496-15512	5.8	3

327	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. *Angewandte Chemie - International Edition*, **2020**, 59, 23456-23460	16.4	26
326	Monochromophore-Based Phosphorescence and Fluorescence from Pure Organic Assemblies for Ratiometric Hypoxia Detection. *Angewandte Chemie*, **2020**, 132, 23662-23666	3.6	5
325	Semiconductor nanocrystals for small molecule activation via artificial photosynthesis. *Chemical Society Reviews*, **2020**, 49, 9028-9056	58.5	53
324	Metal-Free, Redox-Neutral, Site-Selective Access to Heteroarylamine via Direct Radical-Radical Cross-Coupling Powered by Visible Light Photocatalysis. *Journal of the American Chemical Society*, **2020**, 142, 16805-16813	16.4	29
323	Identifying a Real Catalyst of [NiFe]-Hydrogenase Mimic for Exceptional H2 Photogeneration. *Angewandte Chemie*, **2020**, 132, 18558-18562	3.6	1
322	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	3.2	7
321	Multiple-State Emissions from Neat, Single-Component Molecular Solids: Suppression of Kasha's Rule. *Angewandte Chemie - International Edition*, **2020**, 59, 10173-10178	16.4	16
320	Multifunctional applications of triazine/carbazole hybrid thermally activated delayed fluorescence emitters in organic light emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 12470-12481	7.1	20
319	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. *Advanced Functional Materials*, **2019**, 29, 1808079	15.6	68
318	Preparation of Heterocycles via Visible-Light-Driven Aerobic Selenation of Olefins with Diselenides. *Organic Letters*, **2019**, 21, 885-889	6.2	40
317	Photocatalytic hydrogen evolution of 1-tetralones to □-naphthols by continuous-flow technology. *Catalysis Science and Technology*, **2019**, 9, 3337-3341	5.5	3
316	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	4.2	7
315	Photocatalytic C-C Bond Activation of Oxime Ester for Acyl Radical Generation and Application. *Organic Letters*, **2019**, 21, 4153-4158	6.2	39
314	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. *Angewandte Chemie - International Edition*, **2019**, 58, 8443-8447	16.4	24
313	A Photochemical Route towards Metal Sulfide Nanosheets from Layered Metal Thiolate Complexes. *Angewandte Chemie*, **2019**, 131, 8531	3.6	
312	Superhydrophilic Graphdiyne: Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity (Adv. Funct. Mater. 16/2019). *Advanced Functional Materials*, **2019**, 29, 1970107	15.6	
311	Visible-Light-Driven Selective Alkenyl C-P Bond Cleavage of Allenylphosphine Oxides. *Organic Letters*, **2019**, 21, 1994-1998	6.2	19
310	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. *Nano Research*, **2019**, 12, 2385-2389	10	115

309	Quantum Dot Assembly for Light-Driven Multielectron Redox Reactions, such as Hydrogen Evolution and CO2 Reduction. *Angewandte Chemie*, **2019**, 131, 10918-10925	3.6	13
308	Von Sonnenlicht zu Brennstoffen: aktuelle Fortschritte der C1-Solarchemie. *Angewandte Chemie*, **2019**, 131, 17690-17715	3.6	20
307	From Solar Energy to Fuels: Recent Advances in Light-Driven C Chemistry. *Angewandte Chemie - International Edition*, **2019**, 58, 17528-17551	16.4	181
306	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	16.4	161
305	Tuning Oxygen Vacancies in Ultrathin TiO Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. *Advanced Materials*, **2019**, 31, e1806482	24	452
304	Visible-Light-Induced Nanoparticle Assembly for Effective Hydrogen Photogeneration. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 7286-7293	8.3	7
303	Facile formation of CoN4 active sites onto a SiO2 support to achieve robust CO2 and proton reduction in a noble-metal-free photocatalytic system. *Journal of Materials Chemistry A*, **2019**, 7, 10475-10482	13	31
302	Cobaloxime Catalysis: Selective Synthesis of Alkenylphosphine Oxides under Visible Light. *Journal of the American Chemical Society*, **2019**, 141, 13941-13947	16.4	48
301	A Monophosphine Ligand Derived from Anthracene Photodimer: Synthetic Applications for Palladium-Catalyzed Coupling Reactions. *Organic Letters*, **2019**, 21, 8158-8163	6.2	12
300	Photoinduced synthesis of fluorinated dibenz[b,e]azepines via radical triggered cyclization. *Chemical Communications*, **2019**, 55, 10848-10851	5.8	22
299	Direct Arylation of Unactivated Alkanes with Heteroarenes by Visible-Light Catalysis. *Journal of Organic Chemistry*, **2019**, 84, 12904-12912	4.2	24
298	Stiff-stilbene derivatives as new bright fluorophores with aggregation-induced emission. *Science China Chemistry*, **2019**, 62, 1194-1197	7.9	14
297	Efficient and Selective CO2 Reduction Integrated with Organic Synthesis by Solar Energy. *CheM*, **2019**, 5, 2605-2616	16.2	102
296	Photoelectrochemical cell for P-H/C-H cross-coupling with hydrogen evolution. *Chemical Communications*, **2019**, 55, 10376-10379	5.8	22
295	Semiconductor Quantum Dots: An Emerging Candidate for CO Photoreduction. *Advanced Materials*, **2019**, 31, e1900709	24	177
294	Regioselective Amination of an Aromatic C-H Bond by Trifluoroacetic Acid via Electrochemistry. *Organic Letters*, **2019**, 21, 5581-5585	6.2	31
293	Visible Light Irradiation of Acyl Oxime Esters and Styrenes Efficiently Constructs Carbonyl Imides by a Scission and Four-Component Reassembly Process. *Organic Letters*, **2019**, 21, 8789-8794	6.2	17
292	Triplet-Triplet Annihilation Upconversion Based on Silica Nanoparticles. *Acta Chimica Sinica*, **2019**, 77, 41	3.3	2

291	Quantum Dot Assembly for Light-Driven Multielectron Redox Reactions, such as Hydrogen Evolution and CO Reduction. *Angewandte Chemie - International Edition*, **2019**, 58, 10804-10811	16.4	64
290	Catalytic Hydrogen Production Using A Cobalt Catalyst Bearing a Phosphinoamine Ligand. *ChemPhotoChem*, **2019**, 3, 220-224	3.3	3
289	Visible light-catalytic dehydrogenation of benzylic alcohols to carbonyl compounds by using an eosin Y and nickel thiolate complex dual catalyst system. *Green Chemistry*, **2019**, 21, 1401-1405	10	25
288	Hand-in-hand quantum dot assembly sensitized photocathodes for enhanced photoelectrochemical hydrogen evolution. *Journal of Materials Chemistry A*, **2019**, 7, 26098-26104	13	4
287	Susceptible Surface Sulfide Regulates Catalytic Activity of CdSe Quantum Dots for Hydrogen Photogeneration. *Advanced Materials*, **2019**, 31, e1804872	24	32
286	Two-dimensional-related catalytic materials for solar-driven conversion of CO into valuable chemical feedstocks. *Chemical Society Reviews*, **2019**, 48, 1972-2010	58.5	233
285	Synthesis and Characterization of a Pentiptycene-Derived Dual Oligoparaphenylene Nanohoop. *Angewandte Chemie - International Edition*, **2019**, 58, 3943-3947	16.4	42
284	Construction of Cyclobutanes by Multicomponent Cascade Reactions in Homogeneous Solution through Visible-Light Catalysis. *Chemistry - A European Journal*, **2019**, 25, 879-884	4.8	8
283	Chiral Inductions in Excited State Reactions: Photodimerization of Alkyl 2-Naphthoates as a Model. *Photochemistry and Photobiology*, **2019**, 95, 24-32	3.6	2
282	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. *Advanced Energy Materials*, **2018**, 8, 1703585	21.8	190
281	Surface stoichiometry manipulation enhances solar hydrogen evolution of CdSe quantum dots. *Journal of Materials Chemistry A*, **2018**, 6, 6015-6021	13	35
280	Cu(ii) coordination polymers with nitrogen catenation ligands for efficient photocatalytic water oxidation. *Chemical Communications*, **2018**, 54, 4794-4797	5.8	17
279	Mechanistic studies on the atmosphere and light tuned synthesis of cyclobuta/penta[b]indoles. *Organic Chemistry Frontiers*, **2018**, 5, 1890-1895	5.2	9
278	Self-assembled inorganic clusters of semiconducting quantum dots for effective solar hydrogen evolution. *Chemical Communications*, **2018**, 54, 4858-4861	5.8	8
277	Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. *Chemistry - A European Journal*, **2018**, 24, 11530-11534	4.8	51
276	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	3.6	14
275	Silica-Protected Ultrathin Ni3FeN Nanocatalyst for the Efficient Hydrolytic Dehydrogenation of NH3BH3. *Advanced Energy Materials*, **2018**, 8, 1702780	21.8	48
274	Template-free large-scale synthesis of g-C3N4 microtubes for enhanced visible light-driven photocatalytic H2 production. *Nano Research*, **2018**, 11, 3462-3468	10	149

273	Photothermal CO2 Hydrogenation: Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO2 Hydrogenation to Hydrocarbons (Adv. Mater. 3/2018). *Advanced Materials*, **2018**, 30, 1870015	24	2
272	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. *Angewandte Chemie*, **2018**, 130, 198-203	3.6	30
271	Filamentous Virus Oriented Pyrene Excimer Emission and Its Efficient Energy Transfer. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 355, 32-37	4.7	5
270	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	9.5	27
269	Chen-Ho Tung and his research on supramolecular photochemistry. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 355, 2-8	4.7	
268	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host-guest interaction. *Chemical Communications*, **2018**, 54, 1117-1120	5.8	69
267	Photoinduced hydroxylperfluoroalkylation of styrenes. *Organic Chemistry Frontiers*, **2018**, 5, 1045-1048	5.2	23
266	Recent Advances in Sensitized Photocathodes: From Molecular Dyes to Semiconducting Quantum Dots. *Advanced Science*, **2018**, 5, 1700684	13.6	49
265	Eosin Y as a Direct Hydrogen-Atom Transfer Photocatalyst for the Functionalization of C□H Bonds. *Angewandte Chemie*, **2018**, 130, 8650-8654	3.6	62
264	Eosin Y as a Direct Hydrogen-Atom Transfer Photocatalyst for the Functionalization of C-H Bonds. *Angewandte Chemie - International Edition*, **2018**, 57, 8514-8518	16.4	186
263	Sensitized Photocathodes: Recent Advances in Sensitized Photocathodes: From Molecular Dyes to Semiconducting Quantum Dots (Adv. Sci. 4/2018). *Advanced Science*, **2018**, 5, 1870023	13.6	3
262	A Bio-inspired Cu O Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. *Angewandte Chemie - International Edition*, **2018**, 57, 7850-7854	16.4	55
261	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	4.7	7
260	Photocatalytic hydrogen-evolution dimerization of styrenes to synthesize 1,2-dihydro-1-arylnaphthalene derivatives using Acr + -Mes and cobaloxime catalysts. *Chinese Journal of Catalysis*, **2018**, 39, 1194-1201	11.3	13
259	Exceptional Catalytic Nature of Quantum Dots for Photocatalytic Hydrogen Evolution without External Cocatalysts. *Advanced Functional Materials*, **2018**, 28, 1801769	15.6	39
258	Reductive Transformation of Layered-Double-Hydroxide Nanosheets to Fe-Based Heterostructures for Efficient Visible-Light Photocatalytic Hydrogenation of CO. *Advanced Materials*, **2018**, 30, e1803127	24	70
257	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	13	21
256	Semiconducting quantum dots for artificial photosynthesis. *Nature Reviews Chemistry*, **2018**, 2, 160-173	34.6	209

255	An isolable catenane consisting of two Möbius conjugated nanohoops. *Nature Communications*, **2018**, 9, 3037	17.4	50
254	Photothermal Catalysis: Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins (Adv. Mater. 31/2018). *Advanced Materials*, **2018**, 30, 1870230	24	4
253	Oxidative Cyclization Synthesis of Tetrahydroquinolines and Reductive Hydrogenation of Maleimides under Redox-Neutral Conditions. *Organic Letters*, **2018**, 20, 2916-2920	6.2	48
252	Luminescence-Tunable Polynorbornenes for Simultaneous Multicolor Imaging in Subcellular Organelles. *Biomacromolecules*, **2018**, 19, 2750-2758	6.9	8
251	Luminescent supramolecular polymer nanoparticles for ratiometric hypoxia sensing, imaging and therapy. *Materials Chemistry Frontiers*, **2018**, 2, 1893-1899	7.8	28
250	Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins. *Advanced Materials*, **2018**, 30, e1800527	24	92
249	A Bio-inspired Cu4O4 Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. *Angewandte Chemie*, **2018**, 130, 7976-7980	3.6	13
248	Nanocrystals@Hollow Mesoporous Silica Reverse-Bumpy-Ball Structure Nanoreactors by a Versatile Microemulsion-Templated Approach. *Small Methods*, **2018**, 2, 1800105	12.8	17
247	Evolution of thiolate-stabilized Ag nanoclusters from Ag-thiolate cluster intermediates. *Nature Communications*, **2018**, 9, 2379	17.4	39
246	A simple, modular synthesis of bifunctional peptide-polynorbornenes for apoptosis induction and fluorescence imaging of cancer cells. *Polymer Chemistry*, **2018**, 9, 77-86	4.9	7
245	Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO Hydrogenation to Hydrocarbons. *Advanced Materials*, **2018**, 30, 1704663	24	208
244	Photoelectrochemically Active and Environmentally Stable CsPbBr3/TiO2 Core/Shell Nanocrystals. *Advanced Functional Materials*, **2018**, 28, 1704288	15.6	280
243	Hole-Transfer-Layer Modification of Quantum Dot-Sensitized Photocathodes for Dramatically Enhanced Hydrogen Evolution. *Particle and Particle Systems Characterization*, **2018**, 35, 1700278	3.1	2
242	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2018**, 57, 192-197	16.4	82
241	Visible-light-promoted aerobic metal-free aminothiocyanation of activated ketones. *Green Chemistry*, **2018**, 20, 5464-5468	10	39
240	Eosin Y- and Copper-Catalyzed Dark Reaction To Construct Ene-γ-Lactams. *Organic Letters*, **2018**, 20, 7220-7224	6.2	16
239	Visible-light-enabled aerobic synthesis of benzoin bis-ethers from alkynes and alcohols. *Green Chemistry*, **2018**, 20, 5479-5483	10	17
238	Efficient photocatalytic hydrogen evolution with ligand engineered all-inorganic InP and InP/ZnS colloidal quantum dots. *Nature Communications*, **2018**, 9, 4009	17.4	117

237	Photocatalytic Activation of Less Reactive Bonds and Their Functionalization via Hydrogen-Evolution Cross-Couplings. *Accounts of Chemical Research*, **2018**, 51, 2512-2523	24.3	127
236	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. *Organic Letters*, **2018**, 20, 6808-6811	6.2	2
235	Metallic Co2C: A Promising Co-catalyst To Boost Photocatalytic Hydrogen Evolution of Colloidal Quantum Dots. *ACS Catalysis*, **2018**, 8, 5890-5895	13.1	69
234	A light-driven molecular machine based on stiff stilbene. *Chemical Communications*, **2018**, 54, 7991-7994	5.8	33
233	Naked Magnetically Recyclable Mesoporous Au Fe2O3 Nanocrystal Clusters: A Highly Integrated Catalyst System. *Advanced Functional Materials*, **2017**, 27, 1606215	15.6	71
232	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 3694-3698	16.4	163
231	A Redox Shuttle Accelerates O Evolution of Photocatalysts Formed In Situ under Visible Light. *Advanced Materials*, **2017**, 29, 1606009	24	33
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