

Wu Lizhu

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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	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	24	951
379	Design strategies of fluorescent probes for selective detection among biothiols. <i>Chemical Society Reviews</i> , 2015 , 44, 6143-60	58.5	587
378	Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C ₃ N ₄ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016 , 28, 5080-6	24	573
377	Well-Dispersed ZIF-Derived Co,N-Co-doped Carbon Nanoframes through Mesoporous-Silica-Protected Calcination as Efficient Oxygen Reduction Electrocatalysts. <i>Advanced Materials</i> , 2016 , 28, 1668-74	24	558
376	Ni ₃ FeN Nanoparticles Derived from Ultrathin NiFe-Layered Double Hydroxide Nanosheets: An Efficient Overall Water Splitting Electrocatalyst. <i>Advanced Energy Materials</i> , 2016 , 6, 1502585	21.8	522
375	Carbon quantum dots/TiO ₂ composites for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3344	13	510
374	Smart Utilization of Carbon Dots in Semiconductor Photocatalysis. <i>Advanced Materials</i> , 2016 , 28, 9454-9477	24	483
373	Tuning Oxygen Vacancies in Ultrathin TiO Nanosheets to Boost Photocatalytic Nitrogen Fixation up to 700 nm. <i>Advanced Materials</i> , 2019 , 31, e1806482	24	452
372	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, 6517-24	16.4	452
371	Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO ₂ to CO with Water. <i>Advanced Materials</i> , 2015 , 27, 7824-31	24	445
370	Layered-Double-Hydroxide Nanosheets as Efficient Visible-Light-Driven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017 , 29, 1703828	24	342
369	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	13.1	333
368	Biological Applications of Supramolecular Assemblies Designed for Excitation Energy Transfer. <i>Chemical Reviews</i> , 2015 , 115, 7502-42	68.1	307
367	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, 3193-7	16.4	290
366	Layered Double Hydroxide Nanostructured Photocatalysts for Renewable Energy Production. <i>Advanced Energy Materials</i> , 2016 , 6, 1501974	21.8	289
365	NiFe Layered Double Hydroxide Nanoparticles on Co,N-Codoped Carbon Nanoframes as Efficient Bifunctional Catalysts for Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1700467	21.8	280
364	Photoelectrochemically Active and Environmentally Stable CsPbBr ₃ /TiO ₂ Core/Shell Nanocrystals. <i>Advanced Functional Materials</i> , 2018 , 28, 1704288	15.6	280

363	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, 9273-80	16.4	265
362	Self-Assembled Au/CdSe Nanocrystal Clusters for Plasmon-Mediated Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1700803	24	258
361	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, 3954-7	16.4	257
360	Two-dimensional-related catalytic materials for solar-driven conversion of CO into valuable chemical feedstocks. <i>Chemical Society Reviews</i> , 2019 , 48, 1972-2010	58.5	233
359	Reactivity and mechanistic insight into visible-light-induced aerobic cross-dehydrogenative coupling reaction by organophotocatalysts. <i>Chemistry - A European Journal</i> , 2012 , 18, 620-7	4.8	232
358	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, 3440-1	16.4	213
357	A cascade cross-coupling hydrogen evolution reaction by visible light catalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 19052-5	16.4	211
356	Semiconducting quantum dots for artificial photosynthesis. <i>Nature Reviews Chemistry</i> , 2018 , 2, 160-173	34.6	209
355	Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO Hydrogenation to Hydrocarbons. <i>Advanced Materials</i> , 2018 , 30, 1704663	24	208
354	Dynamic covalent bond based on reversible photo [4 + 4] cycloaddition of anthracene for construction of double-dynamic polymers. <i>Organic Letters</i> , 2013 , 15, 6148-51	6.2	206
353	Enhancement of the efficiency of photocatalytic reduction of protons to hydrogen via molecular assembly. <i>Accounts of Chemical Research</i> , 2014 , 47, 2177-85	24.3	202
352	Photocatalytic Hydrogen-Evolution Cross-Couplings: Benzene C-H Amination and Hydroxylation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10080-3	16.4	198
351	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016 , 6, 1501241	21.8	193
350	Sub-3 nm Ultrafine Monolayer Layered Double Hydroxide Nanosheets for Electrochemical Water Oxidation. <i>Advanced Energy Materials</i> , 2018 , 8, 1703585	21.8	190
349	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	16.4	186
348	Supramolecular systems as microreactors: control of product selectivity in organic phototransformation. <i>Accounts of Chemical Research</i> , 2003 , 36, 39-47	24.3	183
347	Long-lived emission from platinum(II) terpyridyl acetylides complexes. <i>Inorganic Chemistry</i> , 2002 , 41, 5653-5	3.5	182
346	From Solar Energy to Fuels: Recent Advances in Light-Driven C Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17528-17551	16.4	181

345	Semiconductor Quantum Dots: An Emerging Candidate for CO Photoreduction. <i>Advanced Materials</i> , 2019 , 31, e1900709	24	177
344	Photoresponsive hydrogen-bonded supramolecular polymers based on a stiff stilbene unit. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9738-42	16.4	177
343	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	16.4	163
342	Recent advances in visible-light-driven organic reactions. <i>National Science Review</i> , 2017 , 4, 359-380	10.8	162
341	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	16.4	161
340	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	13.1	160
339	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, 2085-9	16.4	159
338	Oxide-Modified Nickel Photocatalysts for the Production of Hydrocarbons in Visible Light. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4215-9	16.4	157
337	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	10	149
336	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	13	149
335	Chitosan confinement enhances hydrogen photogeneration from a mimic of the diiron subsite of [FeFe]-hydrogenase. <i>Nature Communications</i> , 2013 , 4, 2695	17.4	144
334	Highly luminescent nitrogen-doped carbon quantum dots as effective fluorescent probes for mercuric and iodide ions. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1922-1928	7.1	144
333	Direct Synthesis of Graphdiyne Nanowalls on Arbitrary Substrates and Its Application for Photoelectrochemical Water Splitting Cell. <i>Advanced Materials</i> , 2017 , 29, 1605308	24	140
332	Highly efficient and selective photocatalytic hydrogenation of functionalized nitrobenzenes. <i>Green Chemistry</i> , 2014 , 16, 1082-1086	10	140
331	Photocatalytic Hydrogen Production from Water by Noble-Metal-Free Molecular Catalyst Systems Containing Rose Bengal and the Cobaloximes of BFX-Bridged Oxime Ligands. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15868-15874	3.8	139
330	Cross-coupling hydrogen evolution reaction in homogeneous solution without noble metals. <i>Organic Letters</i> , 2014 , 16, 1988-91	6.2	132
329	Exceptional poly(acrylic acid)-based artificial [FeFe]-hydrogenases for photocatalytic H ₂ production in water. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8134-8	16.4	132
328	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	8.3	127

327	Photocatalytic Activation of Less Reactive Bonds and Their Functionalization via Hydrogen-Evolution Cross-Couplings. <i>Accounts of Chemical Research</i> , 2018 , 51, 2512-2523	24.3	127
326	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	13.1	126
325	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, 6443-50	4.8	126
324	A luminescent chemosensor with specific response for Mg ²⁺ . <i>Inorganic Chemistry</i> , 2004 , 43, 5195-7	5.1	122
323	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	16.4	121
322	Photooxidation of olefins under oxygen in platinum(II) complex-loaded mesoporous molecular sieves. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14685-90	16.4	121
321	Graphene-Supported Ultrafine Metal Nanoparticles Encapsulated by Mesoporous Silica: Robust Catalysts for Oxidation and Reduction Reactions. <i>Angewandte Chemie</i> , 2014 , 126, 254-258	3.6	118
320	Efficient photocatalytic hydrogen evolution with ligand engineered all-inorganic InP and InP/ZnS colloidal quantum dots. <i>Nature Communications</i> , 2018 , 9, 4009	17.4	117
319	Face-to-Face Interfacial Assembly of Ultrathin g-CN and Anatase TiO Nanosheets for Enhanced Solar Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28674-28684	9.5	116
318	Graphdiyne: A Promising Catalyst Support To Stabilize Cobalt Nanoparticles for Oxygen Evolution. <i>ACS Catalysis</i> , 2017 , 7, 5209-5213	13.1	116
317	An exceptional artificial photocatalyst, Ni ₂ -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, 6613-8	24	116
316	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. <i>Nano Research</i> , 2019 , 12, 2385-2389	10	115
315	Artificial light-harvesting system based on multifunctional surface-cross-linked micelles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2088-92	16.4	115
314	Light-Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2759-63	16.4	115
313	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	35.4	111
312	Photocatalytic hydrogen evolution from rhenium(I) complexes to [FeFe] hydrogenase mimics in aqueous SDS micellar systems: a biomimetic pathway. <i>Langmuir</i> , 2010 , 26, 9766-71	4	111
311	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	16.4	110
310	Cobalt-catalyzed cross-dehydrogenative coupling reaction in water by visible light. <i>Organic Letters</i> , 2015 , 17, 884-7	6.2	110

309	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	35.4	108
308	Spontaneous organization of inorganic nanoparticles into nanovesicles triggered by UV light. <i>Advanced Materials</i> , 2014 , 26, 5613-8	24	104
307	Efficient and Selective CO ₂ Reduction Integrated with Organic Synthesis by Solar Energy. <i>Chem</i> , 2019 , 5, 2605-2616	16.2	102
306	Visible-light induced oxidant-free oxidative cross-coupling for constructing allylic sulfones from olefins and sulfinic acids. <i>Chemical Communications</i> , 2016 , 52, 10407-10	5.8	100
305	Visible-light-driven difluoroacetamidation of unactive arenes and heteroarenes by direct C-H functionalization at room temperature. <i>Organic Letters</i> , 2014 , 16, 5842-5	6.2	100
304	Ni ³⁺ doped monolayer layered double hydroxide nanosheets as efficient electrodes for supercapacitors. <i>Nanoscale</i> , 2015 , 7, 7168-73	7.7	98
303	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, 1231-9	4.8	97
302	Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins. <i>Advanced Materials</i> , 2018 , 30, e1800527	24	92
301	Water-dispersible nanospheres of hydrogen-bonded supramolecular polymers and their application for mimicking light-harvesting systems. <i>Chemical Communications</i> , 2014 , 50, 1334-7	5.8	92
300	A near-infrared fluorescent sensor for selective detection of cysteine and its application in live cell imaging. <i>RSC Advances</i> , 2014 , 4, 8360	3.7	90
299	Visible-light-mediated aerobic selenation of (hetero)arenes with diselenides. <i>Green Chemistry</i> , 2017 , 19, 5559-5563	10	86
298	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	16.4	84
297	A novel intermolecular synthesis of β -lactones via visible-light photoredox catalysis. <i>Organic Letters</i> , 2013 , 15, 6054-7	6.2	84
296	Photoresponsive supramolecular self-assembly of monofunctionalized pillar[5]arene based on stiff stilbene. <i>Chemical Communications</i> , 2014 , 50, 7001-3	5.8	83
295	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, 2167-70	16.4	83
294	Efficient Photocatalytic Nitrogen Fixation over Cu ^{II} -Modified Defective ZnAl-Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020 , 10, 1901973	21.8	82
293	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 192-197	16.4	82
292	An Oxidant-Free Strategy for Indole Synthesis via Intramolecular C \equiv C Bond Construction under Visible Light Irradiation: Cross-Coupling Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2016 , 6, 4635-4639	13.1	81

291	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, 18080-4	4.8	80
290	Supramolecular Polymeric Fluorescent Nanoparticles Based on Quadruple Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2016 , 26, 5483-5489	15.6	79
289	Rational design of isostructural 2D porphyrin-based covalent organic frameworks for tunable photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2021 , 12, 1354	17.4	78
288	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	35.4	76
287	Photocatalytic hydrogen evolution from glycerol and water over nickel-hybrid cadmium sulfide quantum dots under visible-light irradiation. <i>ChemSusChem</i> , 2014 , 7, 1468-75	8.3	76
286	Combining Visible Light Catalysis and Transition Metal Catalysis for the Alkylation of Secondary Amines. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 2158-2164	5.6	74
285	Simple bipolar host materials incorporating CN group for highly efficient blue electrophosphorescence with slow efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8140	7.1	74
284	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, 18577-83	9.5	72
283	Naked Magnetically Recyclable Mesoporous Au/Fe ₂ O ₃ Nanocrystal Clusters: A Highly Integrated Catalyst System. <i>Advanced Functional Materials</i> , 2017 , 27, 1606215	15.6	71
282	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	24	70
281	A Highly Efficient Photocatalytic System for Hydrogen Production by a Robust Hydrogenase Mimic in an Aqueous Solution. <i>Angewandte Chemie</i> , 2011 , 123, 3251-3255	3.6	70
280	Artificial light-harvesting supramolecular polymeric nanoparticles formed by pillar[5]arene-based host-guest interaction. <i>Chemical Communications</i> , 2018 , 54, 1117-1120	5.8	69
279	Synthesis of Oligoparaphenylene-Derived Nanohoops Employing an Anthracene Photodimerization-Cycloreversion Strategy. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11144-7	16.4	69
278	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	13.1	69
277	Superhydrophilic Graphdiyne Accelerates Interfacial Mass/Electron Transportation to Boost Electrocatalytic and Photoelectrocatalytic Water Oxidation Activity. <i>Advanced Functional Materials</i> , 2019 , 29, 1808079	15.6	68
276	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, 20338-44	3.6	68
275	Photocatalytic hydrogen evolution by [FeFe] hydrogenase mimics in homogeneous solution. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1796-803	4.5	67
274	Visible light catalysis-assisted assembly of Ni(h)-QD hollow nanospheres in situ via hydrogen bubbles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8261-8	16.4	65

- 273 Graphdiyne for crucial gas involved catalytic reactions in energy conversion applications. *Energy and Environmental Science*, **2020**, 13, 1326-1346 35.4 65
- 272 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
- 271 Direct synthesis of all-inorganic heterostructured CdSe/CdS QDs in aqueous solution for improved photocatalytic hydrogen generation. *Journal of Materials Chemistry A*, **2017**, 5, 10365-10373 13 63
- 270 Reverse saturable absorption of platinum ter/bipyridyl polyphenylacetylide complexes. *Applied Physics Letters*, **2003**, 82, 850-852 3.4 63
- 269 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
- 268 Shape-controlled synthesis of polyhedral 50-facet Cu₂O microcrystals with high-index facets. *CrystEngComm*, **2012**, 14, 4431 3.3 62
- 267 BODIPY-based fluorescent probe for the simultaneous detection of glutathione and cysteine/homocysteine at different excitation wavelengths. *RSC Advances*, **2015**, 5, 3959-3964 3.7 61
- 266 Exploring the Reducing Ability of Organic Dye (Acr-Mes) for Fluorination and Oxidation of Benzylic C(sp³)-H Bonds under Visible Light Irradiation. *Organic Letters*, **2017**, 19, 3009-3012 6.2 60
- 265 A Hydrogen-Bonded-Supramolecular-Polymer-Based Nanoprobe for Ratiometric Oxygen Sensing in Living Cells. *Advanced Functional Materials*, **2016**, 26, 5419-5425 15.6 60
- 264 Switch of the Lowest Excited-States of Terpyridylplatinum(II) Acetylide Complexes Bearing Amino or Azacrown Moieties by Proton and Cations. *European Journal of Inorganic Chemistry*, **2004**, 2004, 1948-1954 2.3 58
- 263 BowtieArene: A Dual Macrocyclic Exhibiting Stimuli-Responsive Fluorescence. *Angewandte Chemie - International Edition*, **2020**, 59, 10059-10065 16.4 57
- 262 A Bio-inspired Cu₂O Cubane: Effective Molecular Catalysts for Electrocatalytic Water Oxidation in Aqueous Solution. *Angewandte Chemie - International Edition*, **2018**, 57, 7850-7854 16.4 55
- 261 Reversible multistimuli-responsive vesicles formed by an amphiphilic cationic platinum(II) terpyridyl complex with a ferrocene unit in water. *Chemical Communications*, **2012**, 48, 10886-8 5.8 54
- 260 Efficient Triplet Sensitizers of Palladium(II) Tetraphenylporphyrins for Upconversion-Powered Photoelectrochemistry. *Journal of Physical Chemistry C*, **2014**, 118, 1417-1425 3.8 53
- 259 Semiconductor nanocrystals for small molecule activation via artificial photosynthesis. *Chemical Society Reviews*, **2020**, 49, 9028-9056 58.5 53
- 258 Metal-Free Desulfonylation Reaction Through Visible-Light Photoredox Catalysis. *European Journal of Organic Chemistry*, **2013**, 2013, 7528-7532 3.2 52
- 257 Highly efficient cucurbit[8]uril-templated intramolecular photocycloaddition of 2-naphthalene-labeled poly(ethylene glycol) in aqueous solution. *Journal of Organic Chemistry*, **2008**, 73, 491-4 4.2 52
- 256 Photocatalysis with Quantum Dots and Visible Light for Effective Organic Synthesis. *Chemistry - A European Journal*, **2018**, 24, 11530-11534 4.8 51

255	Synthesis of 2-substituted pyrimidines and benzoxazoles via a visible-light-driven organocatalytic aerobic oxidation: enhancement of the reaction rate and selectivity by a base. <i>Green Chemistry</i> , 2014 , 16, 3752	10	51
254	Visible Light Initiated Hantzsch Synthesis of 2,5-Diaryl-Substituted Pyrroles at Ambient Conditions. <i>Organic Letters</i> , 2016 , 18, 2479-82	6.2	51
253	An isolable catenane consisting of two Möbius conjugated nanohoops. <i>Nature Communications</i> , 2018 , 9, 3037	17.4	50
252	A triad [FeFe] hydrogenase system for light-driven hydrogen evolution. <i>Chemical Communications</i> , 2011 , 47, 8406-8	5.8	50
251	Comparison of H ₂ photogeneration by [FeFe]-hydrogenase mimics with CdSe QDs and Ru(bpy) ₃ Cl ₂ in aqueous solution. <i>Energy and Environmental Science</i> , 2016 , 9, 2083-2089	35.4	50
250	Recent Advances in Sensitized Photocathodes: From Molecular Dyes to Semiconducting Quantum Dots. <i>Advanced Science</i> , 2018 , 5, 1700684	13.6	49
249	FeO _x /TiO ₂ nanocomposites: an efficient and highly selective catalyst system for photothermal CO ₂ reduction to CO. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	48
248	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	21.8	48
247	Oxidative Cyclization Synthesis of Tetrahydroquinolines and Reductive Hydrogenation of Maleimides under Redox-Neutral Conditions. <i>Organic Letters</i> , 2018 , 20, 2916-2920	6.2	48
246	Cobaloxime Catalysis: Selective Synthesis of Alkenylphosphine Oxides under Visible Light. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13941-13947	16.4	48
245	Branched polyethylenimine improves hydrogen photoproduction from a CdSe quantum dot/[FeFe]-hydrogenase mimic system in neutral aqueous solutions. <i>Chemistry - A European Journal</i> , 2015 , 21, 3187-92	4.8	48
244	Visible-Light Photocatalysis Employing Dye-Sensitized Semiconductor: Selective Aerobic Oxidation of Benzyl Ethers. <i>ACS Catalysis</i> , 2017 , 7, 8134-8138	13.1	47
243	Synthesis of a photoresponsive cryptand and its complexations with paraquat and 2,7-diazapyrenium. <i>Organic Letters</i> , 2014 , 16, 684-7	6.2	46
242	Benzene C-H Etherification via Photocatalytic Hydrogen-Evolution Cross-Coupling Reaction. <i>Organic Letters</i> , 2017 , 19, 2206-2209	6.2	44
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