Wu Lizhu

List of PR Articles by Year
in descending order

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69 PR articles	2,279 PR citations	234239 23 PR h-index	212634 43 g-index
80 documents	2496 doc citations	245004 24 h-index	2530 citing authors

#	Article	IF	PR Citations
1	Deep reconstruction of a Mo-based electrocatalyst for high-performance water/seawater oxidation at ampere-level current density. Energy and Environmental Science, 2025, 18, 1952-1962.	30.6	46
2	Quantum Dot-Sensitized Tripletâ€“Triplet Annihilation Photon Upconversion for Solar Energy Conversion and beyond. Accounts of Materials Research, 2024, 5, 136-145.	12.5	24
3	One-pot synthesis of an ultrafine Cu₂O nanocrystal/porous polymer heterostructure for photocatalytic hydrogen production. Catalysis Science and Technology, 2024, 14, 2574-2579.	4.1	3
4	S-Scheme Heterojunction/Single-Atom Dual-Driven Charge Transport for Photocatalytic Hydrogen Production. ACS Catalysis, 2024, 14, 7308-7320.	12.9	105
5	Spin-related excited-state phenomena in photochemistry. National Science Review, 2024, 11, .	9.8	28
6	Ratiometric hypoxia detection by bright organic room temperature phosphorescence of uniformed silica nanoparticles in water. Aggregate, 2023, 4, .	12.5	34
7	Direct Excitation of Aldehyde to Activate the C(sp²)â^'H Bond by Cobaloxime Catalysis toward Fluorenones Synthesis with Hydrogen Evolution. Angewandte Chemie, 2023, 135, .	1.4	0
8	Direct Excitation of Aldehyde to Activate the C(sp²)â^'H Bond by Cobaloxime Catalysis toward Fluorenones Synthesis with Hydrogen Evolution. Angewandte Chemie - International Edition, 2023, 62, .	14.1	26
9	Two-Dimensional Benzobisthiazole-Vinylene-Linked Covalent Organic Frameworks Outperform One-Dimensional Counterparts in Photocatalysis. ACS Catalysis, 2023, 13, 1089-1096.	12.9	72
10	A polycatenated hydrogen-bonded organic framework based on embraced macrocyclic building blocks for fluorescence detection of nitrobenzene in water. Journal of Materials Chemistry A, 2023, 11, 4672-4678.	9.3	24
11	Cobaloximes: selective nitrite reduction catalysts for tandem ammonia synthesis. Energy and Environmental Science, 2023, 16, 1590-1596.	30.6	78
12	Enhanced hydrogen evolution activity of CsPbBr₃ nanocrystals achieved by dimensionality change. Chemical Communications, 2023, 59, 4189-4192.	3.9	14
13	Quantum dots: Another choice to sensitize organic transformations. Chemical Physics Reviews, 2023, 4, 011304.	5.9	13
14	Anion vacancy correlated photocatalytic CO₂ to CO conversion over quantum-confined CdS nanorods under visible light. Journal of Materials Chemistry A, 2023, 11, 3937-3941.	9.3	17
15	Direct Nâ^'H Activation to Generate Nitrogen Radical for Arylamine Synthesis via Quantum Dots Photocatalysis. Angewandte Chemie, 2023, 135, .	1.4	2
16	Direct Nâ^'H Activation to Generate Nitrogen Radical for Arylamine Synthesis via Quantum Dots Photocatalysis. Angewandte Chemie - International Edition, 2023, 62, .	14.1	37
17	Aromatic Amides: A Smart Backbone toward Isolated Ultralong Bright Blueâ€Phosphorescence in Confined Polymeric Films. Angewandte Chemie, 2023, 135, .	1.4	8
18	Aromatic Amides: A Smart Backbone toward Isolated Ultralong Bright Blueâ€Phosphorescence in Confined Polymeric Films. Angewandte Chemie - International Edition, 2023, 62, .	14.1	41

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19	Engineering Graphdiyne for Solar Photocatalysis. Angewandte Chemie - International Edition, 2023, 62, .	14.1	61
20	Engineering Graphdiyne for Solar Photocatalysis. Angewandte Chemie, 2023, 135, .	1.4	9
21	Supramolecular photosensitizers using extended macrocyclic hosts for photodynamic therapy with distinct cellular delivery. Chemical Science, 2023, 14, 3523-3530.	7.2	24
22	Mechanistic insights into the influence of surface ligands on quantum dots for photocatalysis. Journal of Materials Chemistry A, 2023, 11, 8497-8514.	9.3	44
23	Covalent organic framework and hydrogen-bonded organic framework for solar-driven photocatalysis. Journal of Materials Chemistry A, 2023, 11, 12521-12538.	9.3	63
24	Amineâ€Free, Directingâ€Groupâ€Free and Redoxâ€Neutral Î±â€Alkylation of Saturated Cyclic Ketones. Angewandte Chemie - International Edition, 2023, 62, .	14.1	18
25	Amineâ€Free, Directingâ€Groupâ€Free and Redoxâ€Neutral Î±â€Alkylation of Saturated Cyclic Ketones. Angewandte Chemie, 2023, 135, .	1.4	5
26	Mechanistic insights into consecutive 2eâ^' and 2H+ reactions of hydrogenase mimic. CheM, 2023, 9, 2610-2619.	16.9	12
27	Tracking an Fe^V(O) Intermediate for Water Oxidation in Water. Angewandte Chemie - International Edition, 2023, 62, .	14.1	16
28	Tracking an Fe^V(O) Intermediate for Water Oxidation in Water. Angewandte Chemie, 2023, 135, .	1.4	0
29	Photothermal recycling of waste polyolefin plastics into liquid fuels with high selectivity under solvent-free conditions. Nature Communications, 2023, 14, .	13.9	125
30	Amphiphilic Cobalt Phthalocyanine Boosts Carbon Dioxide Reduction. Advanced Materials, 2023, 35, .	24.3	45
31	In situ assembly of nickel-based ultrathin catalyst film for water oxidation. Chemical Communications, 2023, 59, 11109-11112.	3.9	1
32	Visible-Light-Mediated Generation of Acyl Radicals from Triazine Esters. Journal of Organic Chemistry, 2023, 88, 12698-12708.	3.4	9
33	Aliphatic Câ€“H arylation with heteroarenes without photocatalysts. Green Chemistry, 2023, 25, 8500-8504.	9.1	17
34	Photocatalytic redox-neutral selective single C(sp³)â€“F bond activation of perfluoroalkyl iminosulfides with alkenes and water. Chemical Science, 2023, 14, 11566-11572.	7.2	9
35	Al₂O₃â€coated BiVO₄ Photoanodes for Photoelectrocatalytic Regioselective Câ^'H Activation of Aromatic Amines. Angewandte Chemie, 2023, 135, .	1.4	2
36	Al₂O₃â€coated BiVO₄ Photoanodes for Photoelectrocatalytic Regioselective Câ^'H Activation of Aromatic Amines. Angewandte Chemie - International Edition, 2023, 62, .	14.1	22

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37	Visible-Light-Mediated Two Transient C(sp³) Radical-Selective Cross-Coupling via Nickel Catalyst Continuous Capture: Synthesis of Pyrroline Derivatives. ACS Catalysis, 2023, 13, 15331-15339.	12.9	8
38	Visible-Light-Mediated Two Transient C(sp³) Radical-Selective Cross-Coupling via Nickel Catalyst Continuous Capture: Synthesis of Pyrroline Derivatives. ACS Catalysis, 2023, 13, 15331-15339.	12.9	10
39	Siteâ€Selective Nâ€1 and Câ€3 Heteroarylation of Indole with Heteroarylnitriles by Organocatalysis under Visible Light. Angewandte Chemie, 2022, 134, .	1.4	3
40	Direct Construction of Isomeric Benzobisoxazoleâ€“Vinylene-Linked Covalent Organic Frameworks with Distinct Photocatalytic Properties. Journal of the American Chemical Society, 2022, 144, 13953-13960.	15.1	200
41	Cobaloxime Photocatalysis for the Synthesis of Phosphorylated Heteroaromatics. Angewandte Chemie - International Edition, 2022, 61, .	14.1	67
42	Cobaloxime Photocatalysis for the Synthesis of Phosphorylated Heteroaromatics. Angewandte Chemie, 2022, 134, .	1.4	6
43	Controlled growth of organic 2D layered material thin filmsviainterfacial methods. Chemical Communications, 2022, 58, 12384-12398.	3.9	21
44	Photochemistry Journey to Multielectron and Multiproton Chemical Transformation. Journal of the American Chemical Society, 2022, 144, 16219-16231.	15.1	116
45	Transition-Metal-Free, Site-Selective Câ€“F Arylation of Polyfluoroarenes via Electrophotocatalysis. Journal of the American Chemical Society, 2022, 144, 17261-17268.	15.1	75
46	Lewis Acid-Relayed Singlet Oxygen Reaction with Enamines: Selective Dimerization of Enamines to Pyrrolin-4-ones. Journal of the American Chemical Society, 2022, 144, 16667-16675.	15.1	37
47	Î±â€Acylation of Alkenes by a Single Photocatalyst. Angewandte Chemie - International Edition, 2022, 61, .	14.1	27
48	Î±â€Acylation of Alkenes by a Single Photocatalyst. Angewandte Chemie, 2022, 134, .	1.4	0
49	Cascade cyclization of alkene-tethered acylsilanes and allylic sulfones enabled by unproductive energy transfer photocatalysis. Nature Communications, 2022, 13, .	13.9	46
50	Highly Efficient Iridium-Based Photosensitizers for Thia-PaternÃ²â€“BÃ¼chi Reaction and Aza-Photocyclization. ACS Catalysis, 2021, 11, 446-455.	12.9	63
51	Direct Allylic C(sp³)â^'H and Vinylic C(sp²)â^'H Thiolation with Hydrogen Evolution by Quantum Dots and Visible Light. Angewandte Chemie, 2021, 133, 11885-11889.	1.4	18
52	Direct 1,2â€Dicarbonylation of Alkenes towards 1,4â€Diketones via Photocatalysis. Angewandte Chemie, 2021, 133, 27026-27032.	1.4	12
53	Identifying a Real Catalyst of [NiFe]â€Hydrogenase Mimic for Exceptional H₂ Photogeneration. Angewandte Chemie, 2020, 132, 18558-18562.	1.4	4
54	Innentitelbild: Multipleâ€State Emissions from Neat, Singleâ€Component Molecular Solids: Suppression of Kasha's Rule (Angew. Chem. 25/2020). Angewandte Chemie, 2020, 132, 9870-9870.	1.4	0

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55	Photoredox Catalysis of Aromatic Î²â€Ketoesters for in Situ Production of Transient and Persistent Radicals for Organic Transformation. Angewandte Chemie, 2020, 132, 5403-5408.	1.4	8
56	Multipleâ€State Emissions from Neat, Singleâ€Component Molecular Solids: Suppression of Kasha's Rule. Angewandte Chemie, 2020, 132, 10259-10264.	1.4	24
57	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.	5.1	38
58	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. Nano Research, 2019, 12, 2385-2389.	8.5	236
59	Quantum Dot Assembly for Lightâ€Driven Multielectron Redox Reactions, such as Hydrogen Evolution and CO₂ Reduction. Angewandte Chemie, 2019, 131, 10918-10925.	1.4	22
60	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.	9.3	46
61	Cu(<scp>ii</scp>) coordination polymers with nitrogen catenation ligands for efficient photocatalytic water oxidation. Chemical Communications, 2018, 54, 4794-4797.	3.9	25
62	BaAu₂S₂: A Au-Based Intrinsic Photocatalyst for High-Performance Visible-Light Photocatalysis. Inorganic Chemistry, 2017, 56, 5173-5181.	4.6	16
63	Superoxide Radical Anionâ€Mediated Aerobic Oxidative Synthesis of 2â€Substituted Quinazolines under Visible Light. Asian Journal of Organic Chemistry, 2017, 6, 449-452.	2.2	21
64	General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visibleâ€Light Catalysis. Angewandte Chemie, 2017, 129, 15609-15612.	1.4	33
65	Face-to-Face Interfacial Assembly of Ultrathin g-C₃N₄ and Anatase TiO₂ Nanosheets for Enhanced Solar Photocatalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 28674-28684.	8.0	171
66	Photooxidation of Hantzsch 1,4-dihydropyridines by molecular oxygen. Science Bulletin, 2010, 55, 2855-2858.	1.2	29
67	Colorimetric and electrochemical Pb2+ detection by imine-bridged tetrathiafulvalene-pyridine derivatives. Science in China Series B: Chemistry, 2009, 52, 765-770.	0.8	4
68	Supramolecular assemblies based on 2-ureido-4[1H]-pyrimidinone building block. Science Bulletin, 2006, 51, 129-138.	1.2	11
69	Tuning the lowest excited-states of platinum (II) terpyridyl acetylide complex bearing azacrown moiety: Stimulated by transition metal ions. Science Bulletin, 2004, 49, 416-418.	1.2	0