

# Zhiwei Zuo

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

5,461  
citations

331670

21  
h-index

501196

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging photoredox with nickel catalysis: Coupling of $\beta$ -carboxyl sp <sup>3</sup> -carbons with aryl halides. <i>Science</i> , 2014, 345, 437-440.	12.6	1,309
2	Selective functionalization of methane, ethane, and higher alkanes by cerium photocatalysis. <i>Science</i> , 2018, 361, 668-672.	12.6	480
3	Carboxylic Acids as A Traceless Activation Group for Conjugate Additions: A Three-Step Synthesis of ( $\beta$ )-Pregabalin. <i>Journal of the American Chemical Society</i> , 2014, 136, 10886-10889.	13.7	472
4	Decarboxylative Arylation of $\beta$ -Amino Acids via Photoredox Catalysis: A One-Step Conversion of Biomass to Drug Pharmacophore. <i>Journal of the American Chemical Society</i> , 2014, 136, 5257-5260.	13.7	463
5	Enantioselective Decarboxylative Arylation of $\beta$ -Amino Acids via the Merger of Photoredox and Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 1832-1835.	13.7	425
6	Intramolecular Dearomative Oxidative Coupling of Indoles: A Unified Strategy for the Total Synthesis of Indoline Alkaloids. <i>Accounts of Chemical Research</i> , 2015, 48, 702-711.	15.6	329
7	$\beta$ -Selective Functionalization of Alkanols Enabled by Visible-Light-Induced Ligand-to-Metal Charge Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 1612-1616.	13.7	271
8	Photocatalytic C-C Bond Cleavage and Amination of Cycloalkanols by Cerium(III) Chloride Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15319-15322.	13.8	242
9	Total Synthesis and Absolute Stereochemical Assignment of ( $\beta$ )-Communesin F. <i>Journal of the American Chemical Society</i> , 2010, 132, 13226-13228.	13.7	201
10	Alkoxy Radicals See the Light: New Paradigms of Photochemical Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2429-2486.	47.7	182
11	Cerium-Catalyzed Formal Cycloaddition of Cycloalkanols with Alkenes through Dual Photoexcitation. <i>Journal of the American Chemical Society</i> , 2018, 140, 13580-13585.	13.7	162
12	Cerium-Catalyzed C-H Functionalizations of Alkanes Utilizing Alcohols as Hydrogen Atom Transfer Agents. <i>Journal of the American Chemical Society</i> , 2020, 142, 6216-6226.	13.7	138
13	Dehydroxylation of Alcohols Enabled by Cerium Photocatalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 10556-10564.	13.7	134
14	Enantioselective Total Syntheses of Communesins A and B. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12008-12011.	13.8	131
15	Photocatalytic alkoxy radical-mediated transformations. <i>Tetrahedron Letters</i> , 2018, 59, 2103-2111.	1.4	103
16	Selective C-C Bond Scission of Ketones via Visible-Light-Mediated Cerium Catalysis. <i>Chem</i> , 2020, 6, 266-279.	11.7	94
17	Photocatalytic Dehydroxymethylative Arylation by Synergistic Cerium and Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 4896-4902.	13.7	71
18	Photocatalytic C-C Bond Cleavage and Amination of Cycloalkanols by Cerium(III) Chloride Complex. <i>Angewandte Chemie</i> , 2016, 128, 15545-15548.	2.0	59

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19	Photocatalytic Aerobic Oxidative Ring Expansion of Cyclic Ketones to Macrolactones by Cerium and Cyanoanthracene Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5370-5376.	13.8	49
20	Synthetic Studies toward Communesins. <i>Israel Journal of Chemistry</i> , 2011, 51, 434-441.	2.3	36
21	Bisphosphonium salt: an effective photocatalyst for the intramolecular hydroalkoxylation of olefins. <i>Science Bulletin</i> , 2019, 64, 1896-1901.	9.0	20
22	Diastereoselective construction of continuous all-carbon quaternary centers via intramolecular oxidative coupling reaction. <i>Tetrahedron Letters</i> , 2013, 54, 4392-4396.	1.4	19
23	Intramolecular Oxidative Coupling: Applications in Synthesis of Complex Indole Alkaloid Scaffolds. <i>Chinese Journal of Organic Chemistry</i> , 2013, 33, 869.	1.3	11
24	Photocatalytic Aerobic Oxidative Ring Expansion of Cyclic Ketones to Macrolactones by Cerium and Cyanoanthracene Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 5430-5436.	2.0	7
25	Visible Light Photoredox-Induced Smiles Rearrangement. <i>Acta Chimica Sinica</i> , 2019, 77, 794.	1.4	6
26	Dearomative [4+ 2] Cycloaddition of Pyridine via Energy-Transfer Catalysis. <i>CheM</i> , 2019, 5, 2744-2746.	11.7	4
27	Recent advancement in homogeneous functionalizations of methane. <i>Chinese Science Bulletin</i> , 2019, 64, 1878-1886.	0.7	3