

## List of Publications by Year in descending order

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39  
papers

14,391  
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87843

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times ranked

8406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoredox Catalysis in Organic Chemistry. <i>Journal of Organic Chemistry</i> , 2016, 81, 6898-6926.	1.7	2,156
2	The merger of transition metal and photocatalysis. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	1,591
3	Merging photoredox with nickel catalysis: Coupling of $\text{sp}^3$ -carboxyl $\text{sp}^3$ -carbons with aryl halides. <i>Science</i> , 2014, 345, 437-440.	6.0	1,309
4	Trifluoromethylation of arenes and heteroarenes by means of photoredox catalysis. <i>Nature</i> , 2011, 480, 224-228.	13.7	1,144
5	Discovery of an $\alpha$ -Amino $\text{C}\text{--}\text{H}$ Arylation Reaction Using the Strategy of Accelerated Serendipity. <i>Science</i> , 2011, 334, 1114-1117.	6.0	858
6	Metallaphotoredox: The Merger of Photoredox and Transition Metal Catalysis. <i>Chemical Reviews</i> , 2022, 122, 1485-1542.	23.0	660
7	Native functionality in triple catalytic cross-coupling: $\text{sp}^3$ $\text{C}\text{--}\text{H}$ bonds as latent nucleophiles. <i>Science</i> , 2016, 352, 1304-1308.	6.0	501
8	Carboxylic Acids as A Traceless Activation Group for Conjugate Additions: A Three-Step Synthesis of ( $\pm$ )-Pregabalin. <i>Journal of the American Chemical Society</i> , 2014, 136, 10886-10889.	6.6	472
9	Decarboxylative Arylation of $\alpha$ -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.	6.6	463
10	Silyl Radical Activation of Alkyl Halides in Metallaphotoredox Catalysis: A Unique Pathway for Cross-Electrophile Coupling. <i>Journal of the American Chemical Society</i> , 2016, 138, 8084-8087.	6.6	463
11	Merging Photoredox and Nickel Catalysis: Decarboxylative Cross-Coupling of Carboxylic Acids with Vinyl Halides. <i>Journal of the American Chemical Society</i> , 2015, 137, 624-627.	6.6	380
12	Photoredox $\alpha$ -Vinylolation of $\alpha$ -Amino Acids and $\text{N}$ -Aryl Amines. <i>Journal of the American Chemical Society</i> , 2014, 136, 11602-11605.	6.6	374
13	Direct arylation of strong aliphatic $\text{C}\text{--}\text{H}$ bonds. <i>Nature</i> , 2018, 560, 70-75.	13.7	373
14	A radical approach to the copper oxidative addition problem: Trifluoromethylation of bromoarenes. <i>Science</i> , 2018, 360, 1010-1014.	6.0	319
15	Decarboxylative $\text{sp}^3$ $\text{C}\text{--}\text{N}$ coupling via dual copper and photoredox catalysis. <i>Nature</i> , 2018, 559, 83-88.	13.7	303
16	Enantioselective Copper-Catalyzed Construction of Aryl Pyrroloindolines via an Arylation $\text{C}\text{--}\text{C}$ Cyclization Cascade. <i>Journal of the American Chemical Society</i> , 2012, 134, 10815-10818.	6.6	282
17	Decarboxylative alkylation for site-selective bioconjugation of native proteins via oxidation potentials. <i>Nature Chemistry</i> , 2018, 10, 205-211.	6.6	272
18	The merger of decatungstate and copper catalysis to enable aliphatic $\text{C}(\text{sp}^3)\text{C}\text{--}\text{H}$ trifluoromethylation. <i>Nature Chemistry</i> , 2020, 12, 459-467.	6.6	226

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19	Alcohols as Latent Coupling Fragments for Metallaphotoredox Catalysis: $\text{sp}^3\text{-sp}^2$ Cross-Coupling of Oxalates with Aryl Halides. <i>Journal of the American Chemical Society</i> , 2016, 138, 13862-13865.	6.6	196
20	A General Small-Scale Reactor To Enable Standardization and Acceleration of Photocatalytic Reactions. <i>ACS Central Science</i> , 2017, 3, 647-653.	5.3	195
21	Copper-mediated synthesis of drug-like bicyclopentanes. <i>Nature</i> , 2020, 580, 220-226.	13.7	174
22	Metallaphotoredox-enabled deoxygenative arylation of alcohols. <i>Nature</i> , 2021, 598, 451-456.	13.7	159
23	Decarboxylative Trifluoromethylation of Aliphatic Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 6522-6526.	6.6	147
24	Metallaphotoredox-Catalyzed Cross-Electrophile $\text{C}^{\text{sp}^3}\text{-C}^{\text{sp}^3}$ Coupling of Aliphatic Bromides. <i>Journal of the American Chemical Society</i> , 2018, 140, 17433-17438.	6.6	139
25	Cross-Electrophile Coupling of Unactivated Alkyl Chlorides. <i>Journal of the American Chemical Society</i> , 2020, 142, 11691-11697.	6.6	131
26	Spin-Center Shift-Enabled Direct Enantioselective $\text{I}^{\pm}$ -Benzoylation of Aldehydes with Alcohols. <i>Journal of the American Chemical Society</i> , 2018, 140, 3322-3330.	6.6	129
27	Decarboxylative Peptide Macrocyclization through Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 728-732.	7.2	117
28	Copper-Catalyzed Trifluoromethylation of Alkyl Bromides. <i>Journal of the American Chemical Society</i> , 2019, 141, 6853-6858.	6.6	114
29	Decatungstate-Catalyzed $\text{C}^{\text{sp}^3}\text{-H}$ Sulfinylation: Rapid Access to Diverse Organosulfur Functionality. <i>Journal of the American Chemical Society</i> , 2021, 143, 9737-9743.	6.6	91
30	Site-Selective Functionalization of Methionine Residues via Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21260-21266.	6.6	82
31	Nontraditional Fragment Couplings of Alcohols and Carboxylic Acids: $\text{C}^{\text{sp}^3}\text{-C}^{\text{sp}^3}$ Cross-Coupling via Radical Sorting. <i>Journal of the American Chemical Society</i> , 2022, 144, 6185-6192.	6.6	80
32	Static to inducibly dynamic stereocontrol: The convergent use of racemic $\text{I}^2$ -substituted ketones. <i>Science</i> , 2020, 369, 1113-1118.	6.0	79
33	Catalyst-controlled oligomerization for the collective synthesis of polypyrroloindoline natural products. <i>Nature Chemistry</i> , 2017, 9, 1165-1169.	6.6	74
34	Site-selective tyrosine bioconjugation via photoredox catalysis for native-to-bioorthogonal protein transformation. <i>Nature Chemistry</i> , 2021, 13, 902-908.	6.6	74
35	Metallaphotoredox aryl and alkyl radiomethylation for PET ligand discovery. <i>Nature</i> , 2021, 589, 542-547.	13.7	64
36	Accelerating reaction generality and mechanistic insight through additive mapping. <i>Science</i> , 2022, 376, 532-539.	6.0	61

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37	A general N-alkylation platform via copper metallaphotoredox and silyl radical activation of alkyl halides. <i>CheM</i> , 2021, 7, 1827-1842.	5.8	57
38	Deoxytrifluoromethylation of Alcohols. <i>Journal of the American Chemical Society</i> , 2022, 144, 11961-11968.	6.6	46
39	HARC as an open-shell strategy to bypass oxidative addition in Ullmann–Goldberg couplings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21058-21064.	3.3	36