List of Publications by Year in descending order

39 papers	14,391 citations	87843 38 h-index	302012 39 g-index
39 all docs	39 docs citations	39 times ranked	8406 citing authors

#	Article	IF	Citations
1	Metallaphotoredox: The Merger of Photoredox and Transition Metal Catalysis. Chemical Reviews, 2022, 122, 1485-1542.	23.0	660
2	Nontraditional Fragment Couplings of Alcohols and Carboxylic Acids: C(sp³)â€“C(sp³) Cross-Coupling via Radical Sorting. Journal of the American Chemical Society, 2022, 144, 6185-6192.	6.6	80
3	Accelerating reaction generality and mechanistic insight through additive mapping. Science, 2022, 376, 532-539.	6.0	61
4	Deoxytrifluoromethylation of Alcohols. Journal of the American Chemical Society, 2022, 144, 11961-11968.	6.6	46
5	Site-selective tyrosine bioconjugation via photoredox catalysis for native-to-bioorthogonal protein transformation. Nature Chemistry, 2021, 13, 902-908.	6.6	74
6	Decatungstate-Catalyzed C(sp³)â€“H Sulfinylation: Rapid Access to Diverse Organosulfur Functionality. Journal of the American Chemical Society, 2021, 143, 9737-9743.	6.6	91
7	A general N-alkylation platform via copper metallaphotoredox and silyl radical activation of alkyl halides. CheM, 2021, 7, 1827-1842.	5.8	57
8	Metallaphotoredox-enabled deoxygenative arylation of alcohols. Nature, 2021, 598, 451-456.	13.7	159
9	Metallaphotoredox aryl and alkyl radiomethylation for PET ligand discovery. Nature, 2021, 589, 542-547.	13.7	64
10	HARC as an open-shell strategy to bypass oxidative addition in Ullmannâ€“Goldberg couplings. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21058-21064.	3.3	36
11	Static to inducibly dynamic stereocontrol: The convergent use of racemic Î²-substituted ketones. Science, 2020, 369, 1113-1118.	6.0	79
12	Site-Selective Functionalization of Methionine Residues via Photoredox Catalysis. Journal of the American Chemical Society, 2020, 142, 21260-21266.	6.6	82
13	Cross-Electrophile Coupling of Unactivated Alkyl Chlorides. Journal of the American Chemical Society, 2020, 142, 11691-11697.	6.6	131
14	The merger of decatungstate and copper catalysis to enable aliphatic C(sp3)â€“H trifluoromethylation. Nature Chemistry, 2020, 12, 459-467.	6.6	226
15	Copper-mediated synthesis of drug-like bicyclopentanes. Nature, 2020, 580, 220-226.	13.7	174
16	Copper-Catalyzed Trifluoromethylation of Alkyl Bromides. Journal of the American Chemical Society, 2019, 141, 6853-6858.	6.6	114
17	Spin-Center Shift-Enabled Direct Enantioselective Î±-Benzylation of Aldehydes with Alcohols. Journal of the American Chemical Society, 2018, 140, 3322-3330.	6.6	129
18	Metallaphotoredox-Catalyzed Cross-Electrophile C_{sp}³â€“C_{sp}³ Coupling of Aliphatic Bromides. Journal of the American Chemical Society, 2018, 140, 17433-17438.	6.6	139

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19	A radical approach to the copper oxidative addition problem: Trifluoromethylation of bromoarenes. Science, 2018, 360, 1010-1014.	6.0	319
20	Direct arylation of strong aliphatic Câ€“H bonds. Nature, 2018, 560, 70-75.	13.7	373
21	Decarboxylative Trifluoromethylation of Aliphatic Carboxylic Acids. Journal of the American Chemical Society, 2018, 140, 6522-6526.	6.6	147
22	Decarboxylative sp3 Câ€“N coupling via dual copper and photoredox catalysis. Nature, 2018, 559, 83-88.	13.7	303
23	Decarboxylative alkylation for site-selective bioconjugation of native proteins via oxidation potentials. Nature Chemistry, 2018, 10, 205-211.	6.6	272
24	A General Small-Scale Reactor To Enable Standardization and Acceleration of Photocatalytic Reactions. ACS Central Science, 2017, 3, 647-653.	5.3	195
25	Catalyst-controlled oligomerization for the collective synthesis of polypyrroloindoline natural products. Nature Chemistry, 2017, 9, 1165-1169.	6.6	74
26	The merger of transition metal and photocatalysis. Nature Reviews Chemistry, 2017, 1, .	13.8	1,591
27	Decarboxylative Peptide Macrocyclization through Photoredox Catalysis. Angewandte Chemie - International Edition, 2017, 56, 728-732.	7.2	117
28	Native functionality in triple catalytic cross-coupling: sp ³ Câ€“H bonds as latent nucleophiles. Science, 2016, 352, 1304-1308.	6.0	501
29	Alcohols as Latent Coupling Fragments for Metallaphotoredox Catalysis: sp³â€“sp² Cross-Coupling of Oxalates with Aryl Halides. Journal of the American Chemical Society, 2016, 138, 13862-13865.	6.6	196
30	Photoredox Catalysis in Organic Chemistry. Journal of Organic Chemistry, 2016, 81, 6898-6926.	1.7	2,156
31	Silyl Radical Activation of Alkyl Halides in Metallaphotoredox Catalysis: A Unique Pathway for Cross-Electrophile Coupling. Journal of the American Chemical Society, 2016, 138, 8084-8087.	6.6	463
32	Merging Photoredox and Nickel Catalysis: Decarboxylative Cross-Coupling of Carboxylic Acids with Vinyl Halides. Journal of the American Chemical Society, 2015, 137, 624-627.	6.6	380
33	Decarboxylative Arylation of Î±-Amino Acids via Photoredox Catalysis: A One-Step Conversion of Biomass to Drug Pharmacophore. Journal of the American Chemical Society, 2014, 136, 5257-5260.	6.6	463
34	Photoredox Î±-Vinylation of Î±-Amino Acids and N-Aryl Amines. Journal of the American Chemical Society, 2014, 136, 11602-11605.	6.6	374
35	Carboxylic Acids as A Traceless Activation Group for Conjugate Additions: A Three-Step Synthesis of (Â±)-Pregabalin. Journal of the American Chemical Society, 2014, 136, 10886-10889.	6.6	472
36	Merging photoredox with nickel catalysis: Coupling of Î±-carboxyl sp ³ -carbons with aryl halides. Science, 2014, 345, 437-440.	6.0	1,309

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37	Enantioselective Copper-Catalyzed Construction of Aryl Pyrroloindolines via an Arylationâ€“Cyclization Cascade. Journal of the American Chemical Society, 2012, 134, 10815-10818.	6.6	282
38	Trifluoromethylation of arenes and heteroarenes by means of photoredox catalysis. Nature, 2011, 480, 224-228.	13.7	1,144
39	Discovery of an Î±-Amino Câ€“H Arylation Reaction Using the Strategy of Accelerated Serendipity. Science, 2011, 334, 1114-1117.	6.0	858