Wenbo Liu

List of Publications by Year
in descending order

24 papers	1,770 citations	430874 18 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1879 citing authors

#	Article	IF	Citations
1	Simple and Clean Photoinduced Aromatic Trifluoromethylation Reaction. Journal of the American Chemical Society, 2016, 138, 5809-5812.	13.7	271
2	Photo-induced Metal-Catalyst-Free Aromatic Finkelstein Reaction. Journal of the American Chemical Society, 2015, 137, 8328-8331.	13.7	157
3	Simple and Clean Photo-induced Methylation of Heteroarenes with MeOH. CheM, 2017, 2, 688-702.	11.7	153
4	Catalyst-Free and Redox-Neutral Innate Trifluoromethylation and Alkylation of Aromatics Enabled by Light. Journal of the American Chemical Society, 2017, 139, 14315-14321.	13.7	153
5	Simple and Efficient Generation of Aryl Radicals from Aryl Triflates: Synthesis of Aryl Boronates and Aryl Iodides at Room Temperature. Journal of the American Chemical Society, 2017, 139, 8621-8627.	13.7	139
6	Empowering a transition-metal-free coupling between alkyne and alkyl iodide with light in water. Nature Communications, 2015, 6, 6526.	12.8	125
7	Diacetyl as a â€œtracelessâ€•visible light photosensitizer in metal-free cross-dehydrogenative coupling reactions. Chemical Science, 2019, 10, 5018-5024.	7.4	122
8	Metal-Free Markovnikov-Type Alkyne Hydration under Mild Conditions. Organic Letters, 2016, 18, 2184-2187.	4.6	109
9	Transition-Metal-Free Câ€“C, Câ€“O, and Câ€“N Cross-Couplings Enabled by Light. Journal of the American Chemical Society, 2019, 141, 6755-6764.	13.7	82
10	Aromatic Chemistry in the Excited State: Facilitating Metalâ€Free Substitutions and Crossâ€Couplings. Angewandte Chemie - International Edition, 2020, 59, 1786-1796.	13.8	60
11	Recent Synthetic Applications of Catalyst-Free Photochemistry. Synlett, 2017, 28, 2714-2754.	1.8	55
12	Simple and Efficient System for Combined Solar Energy Harvesting and Reversible Hydrogen Storage. Journal of the American Chemical Society, 2015, 137, 7576-7579.	13.7	52
13	Metalâ€Free and Redoxâ€Neutral Conversion of Organotrifluoroborates into Radicals Enabled by Visible Light. Angewandte Chemie - International Edition, 2018, 57, 13499-13503.	13.8	49
14	Photoâ€induced Carboiodination: A Simple Way to Synthesize Functionalized Dihydrobenzofurans and Indolines. Chemistry - A European Journal, 2016, 22, 15252-15256.	3.3	38
15	Transitionâ€Metalâ€Free Coupling of Alkynes with Î±â€Bromo Carbonyl Compounds: An Efficient Approach towards Î²,Î³â€Alkynoates and Allenoates. Chemistry - A European Journal, 2016, 22, 5888-5893.	3.3	37
16	Photo-induced iodination of aryl halides under very mild conditions. Nature Protocols, 2016, 11, 1948-1954.	12.0	33
17	A transition-metal-free Heck-type reaction between alkenes and alkyl iodides enabled by light in water. Organic and Biomolecular Chemistry, 2015, 13, 6170-6174.	2.8	31
18	Palladiumâ€Catalyzed Tandem Oxidative Arylation/Olefination of Aromatic Tethered Alkenes/Alkynes. Chemistry - A European Journal, 2017, 23, 793-797.	3.3	23

#	Article	IF	Citations
19	Dehydrative condensation of carbonyls with non-acidic methylenes enabled by light: synthesis of benzofurans. Chemical Communications, 2016, 52, 13120-13123.	4.1	16
20	Pd-Catalyzed Homo Cross-Dehydrogenative Coupling of 2-Arylpyridines by Using I2 as the Sole Oxidant. Synthesis, 2016, 48, 1616-1621.	2.3	13
21	Metalâ€Free Photoinduced Transformation of Aryl Halides and Diketones into Aryl Ketones. European Journal of Organic Chemistry, 2019, 2019, 2721-2724.	2.4	13
22	Metalâ€Free and Redoxâ€Neutral Conversion of Organotrifluoroborates into Radicals Enabled by Visible Light. Angewandte Chemie, 2018, 130, 13687-13691.	2.0	9
23	Catalyst-free generation of acyl radicals induced by visible light in water to construct Câ€“N bonds. Organic and Biomolecular Chemistry, 2021, 19, 1970-1975.	2.8	9
24	Aromatic Chemistry in the Excited State: Facilitating Metalâ€Free Substitutions and Crossâ€Couplings. Angewandte Chemie, 2020, 132, 1802-1812.	2.0	6