Wen-Ting Wei

List of Publications by Year
in descending order

72 papers	2,639 citations	201385 27 h-index	197535 49 g-index
74 all docs	74 docs citations	74 times ranked	1650 citing authors

#	Article	IF	Citations
1	Synthesis of Oxindoles by Ironâ€Catalyzed Oxidative 1,2â€Alkylarylation of Activated Alkenes with an Aryl C(sp²)ï£¿H Bond and a C(sp³)ï£¿H Bond Adjacent to a Heteroatom. Angewandte Chemie - International Edition, 2013, 52, 3638-3641.	7.2	361
2	Metal-free oxidative tandem coupling of activated alkenes with carbonyl C(sp2)â€“H bonds and aryl C(sp2)â€“H bonds using TBHP. Chemical Science, 2013, 4, 2690.	3.7	254
3	Copper-catalyzed oxidative ipso-carboalkylation of activated alkynes with ethers leading to 3-etherified azaspiro[4.5]trienones. Organic Chemistry Frontiers, 2014, 1, 484.	2.3	126
4	Copperâ€Catalyzed Oxidative Î±â€Alkylation of Î±â€Amino Carbonyl Compounds with Ethers via Dual C(sp³)â€H Oxidative Crossâ€Coupling. Advanced Synthesis and Catalysis, 2014, 356, 1703-1707.	2.1	119
5	Visible-light-initiated regioselective sulfonylation/cyclization of 1,6-enynes under photocatalyst- and additive-free conditions. Green Chemistry, 2020, 22, 1388-1392.	4.6	109
6	Nitrative Spirocyclization Mediated by TEMPO: Synthesis of Nitrated Spirocycles from Nâ€Arylpropiolamides, tertâ€Butyl Nitrite and Water. Advanced Synthesis and Catalysis, 2015, 357, 1161-1166.	2.1	104
7	Recent Advances in the Construction of Câ€“N Bonds Through Coupling Reactions between Carbon Radicals and Nitrogen Radicals. Advanced Synthesis and Catalysis, 2018, 360, 2076-2086.	2.1	93
8	Copper-catalyzed oxidative [2+2+1] annulation of 1,n-enynes with Î±-carbonyl alkyl bromides through Câ€“Br/Câ€“H functionalization. Chemical Communications, 2016, 52, 3328-3331.	2.2	80
9	Oxidative coupling of alkenes with amides using peroxides: selective amide C(sp3)â€“H versus C(sp2)â€“H functionalization. Chemical Communications, 2014, 50, 12867-12869.	2.2	60
10	Recent Progress in the Construction of Câˆ’N Bonds via Metalâ€Free Radical C(sp³)âˆ’H Functionalization. Advanced Synthesis and Catalysis, 2020, 362, 2120-2134.	2.1	49
11	Photochemical strategies for Câ€“N bond formation via metal catalyst-free (hetero) aryl C(sp²)â€“H functionalization. Green Chemistry, 2020, 22, 3060-3068.	4.6	46
12	Metalâ€Free Nitration of the C(sp³)âˆ’H Bonds of 2â€Oxindoles through Radical Coupling Reaction at Room Temperature. Advanced Synthesis and Catalysis, 2017, 359, 3551-3554.	2.1	44
13	Oxidative Coupling of Alkenes with Aldehydes and Hydroperoxides: Oneâ€Pot Synthesis of 2,3â€Epoxy Ketones. Advanced Synthesis and Catalysis, 2015, 357, 59-63.	2.1	43
14	Visible-Light-Catalyzed Tandem Radical Addition/1,5-Hydrogen Atom Transfer/Cyclization of 2-Alkynylarylethers with Sulfonyl Chlorides. Organic Letters, 2022, 24, 4704-4709.	2.4	41
15	Recent advances in acyl radical enabled reactions between aldehydes and alkenes. Chemical Communications, 2021, 57, 6111-6120.	2.2	40
16	Acylation/cyclization of 1,6-dienes with ethers under catalyst- and base-free conditions. Green Chemistry, 2020, 22, 3952-3955.	4.6	39
17	Metal-Free Regioselective Radical Cyclization of 1,6-Enynes with Carbonyl Compounds. ACS Sustainable Chemistry and Engineering, 2019, 7, 13491-13496.	3.2	37
18	Oxone-Mediated Radical Bicyclization of 1,6-Enynes through Dual Î±-C(sp³)â€“H Functionalization of Ketones under Catalyst- and Base-Free Conditions. ACS Sustainable Chemistry and Engineering, 2019, 7, 18738-18743.	3.2	37

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19	Copper-Catalyzed Oxidative Cyanation of Aryl Halides with Nitriles Involving Carbonâ€“Carbon Cleavage. Synlett, 2012, 23, 2491-2496.	1.0	36
20	Regioselective Nitrative Cyclization of 1,6-Enynes with t-BuONO under Metal-Free Conditions. ACS Sustainable Chemistry and Engineering, 2018, 6, 15301-15305.	3.2	35
21	N-Radical enabled cyclization of 1,n-enynes. Chinese Journal of Catalysis, 2021, 42, 731-742.	6.9	33
22	Radical cyclization of 1,6-dienes with azobis(alkylcarbonitriles) on water under additive-free conditions. Green Chemistry, 2020, 22, 4593-4596.	4.6	32
23	1,3-Difunctionalization of alkenes: state-of-the-art and future challenges. Organic Chemistry Frontiers, 2021, 8, 7037-7049.	2.3	31
24	Metal-Free C(sp³)â€“H Amination of 2-Oxindoles in Water: Facile Synthesis of 3-Substituted 3-Aminooxindoles. ACS Sustainable Chemistry and Engineering, 2018, 6, 5615-5619.	3.2	29
25	Copper-catalyzed oxidative oxyalkylation of enol ethers with Î±-amino carbonyl compounds and hydroperoxides. Chemical Communications, 2015, 51, 11325-11328.	2.2	27
26	Transition-Metal-Free C(sp³)â€“H Hydroxylation of 2-Oxindoles with Peroxides via Radical Cross-Coupling Reaction in Water. ACS Sustainable Chemistry and Engineering, 2018, 6, 8029-8033.	3.2	27
27	Metal-Free C(sp³)â€“H Azidation in a Radical Strategy for the Synthesis of 3-Azido-2-oxindoles at Room Temperature. Journal of Organic Chemistry, 2018, 83, 11074-11079.	1.7	26
28	Metal-Catalyst-Free Radical Cyclization of 1,6-Enynes for the Selective and Switchable Synthesis of Lactams in Water. ACS Sustainable Chemistry and Engineering, 2022, 10, 6057-6062.	3.2	25
29	Radical Heck-type reaction of styrenes with sulfonyl hydrazides on water at room temperature. Tetrahedron Letters, 2019, 60, 55-58.	0.7	24
30	Room-Temperature, Water-Promoted, Radical-Coupling Reactions of Phenols with tert-Butyl Nitrite. Synlett, 2017, 28, 2153-2156.	1.0	23
31	Alcohols controlled selective radical cyclization of 1,6-dienes under mild conditions. Chinese Chemical Letters, 2020, 31, 3267-3270.	4.8	23
32	Recent Advances in Copperâ€Catalyzed Câ^'N Bond Formation Involving Nâ€centered Radicals. ChemSusChem, 2021, 14, 5340-5358.	3.6	23
33	Metal-free synthesis of isatin oximes via radical coupling reactions of oxindoles with t-BuONO in water. Organic and Biomolecular Chemistry, 2017, 15, 5254-5257.	1.5	22
34	Visibleâ€Light Induced C(sp³)â^'H Functionalization for the Formation of Câ^'N Bonds under Metal Catalystâ€Free Conditions. Advanced Synthesis and Catalysis, 2020, 362, 2770-2777.	2.1	22
35	Rational design of in situ localization solid-state fluorescence probe for bio-imaging of intracellular endogenous cysteine. Talanta, 2020, 220, 121364.	2.9	22
36	Visibleâ€Lightâ€Catalyzed Nâ€Radicalâ€Enabled Cyclization of Alkenes for the Synthesis of Fiveâ€Membered Nâ€Heterocycles. ChemSusChem, 2021, 14, 4658-4670.	3.6	22

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37	Radical Cyclization of 1,nâ€Enynes and 1,nâ€Dienes for the Synthesis of 2â€Pyrrolidone. Chemistry - an Asian Journal, 2021, 16, 3068-3081.	1.7	21
38	Sulfonyl radical triggered selective iodosulfonylation and bicyclization of 1,6-dienes. Chemical Communications, 2021, 57, 8288-8291.	2.2	20
39	Iron-Catalyzed Oxidative Arylmethylation of Activated Alkenes Using a Peroxide as the Methyl Source. Synlett, 2014, 25, 657-660.	1.0	19
40	Recent Developments in the C(sp³)â^'H Functionalization of 2â€Oxindoles through Radical Reactions. Asian Journal of Organic Chemistry, 2018, 7, 1429-1438.	1.3	19
41	TEMPOâ€Promoted C(sp³)â^'H Hydroxylation of 2â€Oxindoles at Room Temperature. Asian Journal of Organic Chemistry, 2018, 7, 337-340.	1.3	18
42	Recent Advances in Radical Nitration Using tert-Butyl Nitrite. Synthesis, 2020, 52, 796-806.	1.2	18
43	Halocyclization of Olefinic 1,3-Dicarbonyls and Olefinic Amides in Aqueous Media Open in Air at Room Temperature. ACS Sustainable Chemistry and Engineering, 2020, 8, 16946-16951.	3.2	17
44	Transitionâ€Metalâ€Free Radical Cyclization of 2â€Arylbenzoimidazoles with Unactivated AlkanesviaC(sp³)â^'H Functionalizations in Aqueous Media. Advanced Synthesis and Catalysis, 2022, 364, 2080-2085.	2.1	16
45	Copperâ€Catalyzed Sulfonyl Radicalâ€Enabled Regioselective Cyclization of 1,6â€Enynes. Asian Journal of Organic Chemistry, 2019, 8, 2050-2053.	1.3	15
46	Radical cyclizations of enynes/dienes with alcohols in water using a green oxidant. Organic and Biomolecular Chemistry, 2020, 18, 8491-8495.	1.5	15
47	Silver-catalyzed oxidative 1,2-alkyletherification of unactivated alkenes with Î±-bromoalkyl carbonyls: facile access to highly substituted 2,3-dihydrofurans. Chemical Communications, 2019, 55, 11111-11114.	2.2	14
48	The construction of benzimidazo[2,1-a]isoquinolin-6(5H)-ones from N-methacryloyl-2-phenylbenzoimidazoles through radical strategies. Organic and Biomolecular Chemistry, 2021, 19, 8874-8885.	1.5	14
49	Base-promoted domino radical cyclization of 1,6-enynes. Organic and Biomolecular Chemistry, 2019, 17, 7674-7678.	1.5	13
50	Recent progress in the radical Î±-C(sp³)â€“H functionalization of ketones. Organic and Biomolecular Chemistry, 2021, 19, 7333-7347.	1.5	13
51	Room Temperature, Metal-Free, Radical Chloroazidation of 1,6-Enynes. Synlett, 2018, 29, 1664-1668.	1.0	12
52	Convenient and Clean Synthesis of Isatins by Metal-Free Oxidation of Oxindoles. Synlett, 2017, 28, 2307-2310.	1.0	11
53	C(sp3)â€“H Peroxidation of 3-Substituted Indolin-2-ones under Metal-Free Conditions. Synlett, 2018, 29, 663-667.	1.0	11
54	Selective Cyanoalkylation and [2+2+2] Annulation of 1,6â€Enynes with Azobis(alkylcarbonitriles) under Mild Conditions. European Journal of Organic Chemistry, 2019, 2019, 7673-7677.	1.2	11

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55	Synthesis of Indoline-2,3-diones by Radical Coupling of Indolin-2-ones with tert-Butyl Hydroperoxide. Synlett, 2018, 29, 215-218.	1.0	9
56	Metalâ€Free Hydroxyalkylationâ€Initiated Radical Cyclization of 1,6â€Enynes with Alcohols. Asian Journal of Organic Chemistry, 2019, 8, 1827-1829.	1.3	9
57	Copper-Catalyzed C(sp3)â€“H Azidation of 1,3-Dihydro-2H-indol-2-ones Under Mild Conditions. Synlett, 2019, 30, 109-113.	1.0	9
58	Metalâ€Free Regioselective Oxynitration of Acrylamides: Synthesis of 1,2â€Nitro Alcohols. Asian Journal of Organic Chemistry, 2019, 8, 348.	1.3	8
59	Fe-Catalyzed Selective Formal Insertion of Diazo Compounds into C(sp)â€“C(sp³) Bonds of Propargyl Alcohols: Access to Alkyne-Substituted All-Carbon Quaternary Centers. ACS Central Science, 2022, 8, 1028-1034.	5.3	8
60	Copperâ€Promoted Tandem Radical Reaction of 2â€Oxindoles with Formamides: Facile Synthesis of Unsymmetrical Urea Derivatives. Asian Journal of Organic Chemistry, 2018, 7, 1057-1060.	1.3	7
61	Potassiumâ€Persulfateâ€Promoted Regioselective Azidation/Cyclization of 1,6â€Enynes. Asian Journal of Organic Chemistry, 2019, 8, 832-835.	1.3	7
62	Synthesis of Polycyclic Quinazolinones through C(sp³)â^'H Functionalization of Inert Alkanes or Visibleâ€Lightâ€Promoted Oxidation Decarboxylation of Nâ€Hydroxyphthalimide Esters. European Journal of Organic Chemistry, 2022, 2022, .	1.2	7
63	Iron-catalyzed oxidative cyclization of olefinic 1,3-dicarbonyls with ketone C(sp³)â€“H bonds: facile access to 2,3-dihydrofurans. New Journal of Chemistry, 2021, 45, 13639-13643.	1.4	6
64	Selective divergent radical cyclization of 1,6-dienes with alkyl nitriles. Organic and Biomolecular Chemistry, 2021, 19, 9501-9505.	1.5	5
65	Copperâ€Mediated Cascade Trifunctionalization of N â€Propargylamides. Asian Journal of Organic Chemistry, 2019, 8, 2006-2010.	1.3	4
66	Cu(NO 3) 2 /Oxoneâ€Mediated Radical Nitration Cyclization of 1,6â€Enynes. ChemistrySelect, 2019, 4, 13380-13383.	0.7	4
67	Radical Cyclization of Olefinic Amides through Î±-C(sp3)â€“H Functionalization of Ketones under Catalyst-, Ligand-, and Base-Free Conditions. Synlett, 2021, 32, 905-912.	1.0	4
68	Ringâ€Opening/Cyclization of Cyclobutanone Oxime Esters with Alkenes in Biomassâ€Derived Solvent Using Copper Catalyst and Inorganic Oxidant. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	4
69	ipso-Iodocyclization of para-Substituted 4-Aryl-1-alkenes Leading to 3-Iodo-1-azaspiro[4.5]deca-6,9-diene-2,8-diones. Synthesis, 2014, 46, 2585-2590.	1.2	3
70	A BODIPYâ€Hemicyanineâ€Based Waterâ€Soluble Dualâ€Color Fluorescence Probe for Colorimetric Monitoring of Intracellular Endogenous Sulfur Dioxide and Bioimaging Applications. ChemistrySelect, 2020, 5, 3033-3040.	0.7	2
71	Metalâ€free Radical Cyclization of Olefinic 1,3â€Dicarbonyls and Olefinic Amides with Nitrile C(sp³)â^'H Bonds in Aqueous Media. Asian Journal of Organic Chemistry, 2021, 10, 3380-3383.	1.3	2
72	A Baseâ€and Ligandâ€Free Copperâ€Catalyzed Oxidative Coupling of Terminal Alkyl Alkynes. ChemistrySelect, 2019, 4, 298-301.	0.7	0