

Wen-Bin Yi

List of Publications by Year in descending order

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41
papers

1,627
citations

257450

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citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin-derived Zn single atom/N-codoped porous carbon for α -alkylation of aromatic ketones with alcohols via borrowing hydrogen strategy. <i>Nano Research</i> , 2022, 15, 1874-1881.	10.4	28
2	Brønsted acid-enhanced copper-catalyzed atroposelective cycloisomerization to axially chiral arylquinolizones via dearomatization of pyridine. <i>Nature Communications</i> , 2022, 13, 373.	12.8	9
3	Deuterated N-difluoromethylthiophthalimide: A stable, scalable reagent for radical and electrophilic deuteriodifluoromethylthiolations. <i>Chinese Chemical Letters</i> , 2022, 33, 4293-4297.	9.0	8
4	Synergistic Effect of Squaric Acid in Bromine-Catalyzed Deoxygenation of Sulfonyl Derivatives: Mechanistic Investigations and Synthetic Applications in Electrophilic (Fluoroalkyl)sulfonylation. <i>Organic Letters</i> , 2022, 24, 181-185.	4.6	16
5	Photocatalyzed Dual-Oxidative Trifluoromethylthio-Trifluoromethylation of Alkenes with $\text{CF}_3\text{SO}_2\text{Na}$. <i>CCS Chemistry</i> , 2021, 3, 265-273.	7.8	19
6	Electrochemical Thiolation and Borylation of Arylazo Sulfones with Thiols and B_2pin_2 . <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1904-1911.	4.3	17
7	Chemoselective desulfurization-fluorination/bromination of carbonofluoridothioates for the O-trifluoromethylation and O-bromodifluoromethylation of alcohols. <i>Science China Chemistry</i> , 2021, 64, 1372-1379.	8.2	5
8	Tandem Iridium Catalysis as a General Strategy for Atroposelective Construction of Axially Chiral Styrenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10686-10694.	13.7	71
9	Fluoromethoxymethylation of Nitrogen Heterocyclic Compounds with Fluoromethyl Iodide. <i>Journal of Organic Chemistry</i> , 2020, 85, 3993-4001.	3.2	5
10	Regioselective Chlorothiolation of Alkenes with Sulfonyl Chlorides. <i>Journal of Organic Chemistry</i> , 2020, 85, 977-984.	3.2	12
11	Synthesis of Thiocarbamoyl Fluorides and Isothiocyanates Using Amines with $\text{CF}_3\text{SO}_2\text{Cl}$. <i>Journal of Organic Chemistry</i> , 2020, 85, 12374-12381.	3.2	15
12	Synthesis of difluoromethyl and deuterium-labeled difluoromethyl thioethers from aliphatic electrophiles. <i>Chemical Communications</i> , 2020, 56, 3995-3998.	4.1	12
13	Recent Progress on Direct Difluoromethylthiolation and Monofluoromethylthiolation. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1.	1.3	9
14	Highly Carbon-Selective Monofluoromethylation of β -Ketoesters with Fluoromethyl Iodide. <i>Organic Letters</i> , 2019, 21, 6025-6028.	4.6	26
15	Copper-catalyzed direct and odorless selenylation with a sodium selenite-based reagent. <i>Organic Chemistry Frontiers</i> , 2019, 6, 825-829.	4.5	32
16	One-pot synthesis of trifluoromethyl amines and perfluoroalkyl amines with $\text{CF}_3\text{SO}_2\text{Na}$ and RfSO_2Na . <i>Chemical Communications</i> , 2019, 55, 8536-8539.	4.1	37
17	Synthesis of Monofluoromethyl Selenoethers of Aryl and Alkyl from Organoselenocyanate via One-Pot Reaction. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4360-4368.	4.3	20
18	Trifluoromethanesulfonyl-Based Reagents for Direct Trifluoromethylthiolation through Deoxygenative Reduction. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 627-636.	2.7	19

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19	Fluoroalkylsulfonyl Chlorides Promoted Vicinal Chloro-fluoroalkylthiolation of Alkenes and Alkynes. <i>Organic Letters</i> , 2018, 20, 2236-2240.	4.6	53
20	A thiol-free synthesis of alkynyl chalcogenides by the copper-catalyzed C–X (X = S, Se) cross-coupling of alkynyl carboxylic acids with Bunte salts. <i>Organic Chemistry Frontiers</i> , 2018, 5, 428-433.	4.5	32
21	One-Pot Synthesis of Difluoromethyl Thioethers from Thiourea and Diethyl Bromodifluoromethylphosphonate. <i>Organic Letters</i> , 2018, 20, 170-173.	4.6	27
22	Trifluoromethanesulfinyl Chloride for Electrophilic Trifluoromethylthiolation and Bifunctional Chlorotrifluoromethylthiolation. <i>Chemistry - A European Journal</i> , 2018, 24, 18749-18756.	3.3	47
23	Copper-Catalyzed Vicinal Chloro-thiolation of Alkynes with Sulfonyl Chlorides. <i>Organic Letters</i> , 2018, 20, 7024-7028.	4.6	41
24	Bunte Salt CH ₂ FSSO ₃ Na: An Efficient and Odorless Reagent for Monofluoromethylthiolation. <i>Organic Letters</i> , 2018, 20, 6270-6273.	4.6	32
25	Metal-Free Electrophilic Trifluoroethylthiolation with NaSO ₂ CH ₂ CF ₃ . <i>Journal of Organic Chemistry</i> , 2018, 83, 7789-7798.	3.2	19
26	Tf ₂ O Promoted Trifluoromethylthiolation of Various Arenes Using NaSO ₂ CF ₃ . <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4012-4016.	4.3	27
27	Stereoselective Synthesis of Alkenyl Silanes, Sulfones, Phosphine Oxides, and Nitroolefins by Radical C–S Bond Cleavage of Arylalkenyl Sulfides. <i>Organic Letters</i> , 2017, 19, 1100-1103.	4.6	28
28	Metal-Free Difluoromethylthiolation, Trifluoromethylthiolation, and Perfluoroalkylthiolation with Sodium Difluoromethanesulfinate, Sodium Trifluoromethanesulfinate or Sodium Perfluoroalkanesulfinate. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2471-2480.	4.3	60
29	Acid/Phosphide-Induced Radical Route to Alkyl and Alkenyl Sulfides and Phosphonothioates from Sodium Arylsulfonates in Water. <i>Journal of Organic Chemistry</i> , 2017, 82, 382-389.	3.2	57
30	Odorless, Regioselective Synthesis of Diaryl Sulfides and α -Thioaryl Carbonyls from Sodium Arylsulfonates via a Metal-Free Radical Strategy in Water. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 4100-4105.	4.3	59
31	2,2-Difluoro-1,3-diketones as gem-Difluoroenolate Precursors for Asymmetric Aldol Addition with N-Benzylisatins. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2811-2816.	4.3	29
32	Direct Phosphorus-Induced Fluoroalkylthiolation with Fluoroalkylsulfonyl Chlorides. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3700-3705.	4.3	65
33	One-Pot Reactions for Modular Synthesis of Polysubstituted and Fused Pyridines. <i>Organic Letters</i> , 2016, 18, 5640-5643.	4.6	71
34	A Route to α -Fluoroalkyl Sulfides from α -Fluorodiaroylmethanes. <i>Organic Letters</i> , 2016, 18, 592-595.	4.6	66
35	Radical-based regioselective cross-coupling of indoles and cycloalkanes. <i>Catalysis Science and Technology</i> , 2016, 6, 998-1002.	4.1	23
36	Direct Trifluoromethylthiolation and Perfluoroalkylthiolation of C(sp ²)–H Bonds with CF ₃ SO ₂ Na and RfSO ₂ Na. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14965-14969.	13.8	164

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37	Recyclable Organocatalyst-Promoted One-Pot Asymmetric Synthesis of Spirooxindoles Bearing Multiple Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3820-3824.	4.3	38
38	Recent advances in sulfur- and phosphorous-centered radical reactions for the formation of C and P-C bonds. <i>Tetrahedron</i> , 2015, 71, 7481-7529.	1.9	152
39	Odorless, One-Pot Regio- and Stereoselective Iodothiolation of Alkynes with Sodium Arenesulfonates under Metal-Free Conditions in Water. <i>Organic Letters</i> , 2015, 17, 3310-3313.	4.6	87
40	An odorless thia-Michael addition using Bunte salts as thiol surrogates. <i>RSC Advances</i> , 2015, 5, 27107-27111.	3.6	29
41	A Facile and Mild Approach for Stereoselective Synthesis of α -Fluoro- β , γ -unsaturated Esters from α -Fluoro- β -keto Esters via Deacylation. <i>Synlett</i> , 2014, 26, 127-132.	1.8	10