

Zhengkai Chen

List of Publications by Year in descending order

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3,676
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172457

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73
times ranked

3283
citing authors

#	ARTICLE	IF	CITATIONS
1	TFBen (Benzene-1,3,5-triyl triformate): A Powerful and Versatile CO Surrogate. <i>Chemical Record</i> , 2022, 22, .	5.8	19
2	Copper-Catalyzed Decarbonylative Cyclization of Isatins and Trifluoroacetimidohydrazides for the Synthesis of 5-(Trifluoromethyl)-1,2,4-triazol-3-yl)anilines. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 3 1044-1049.	4.3	15
3	Controllable access to trifluoromethyl-containing indoles and indolines: palladium-catalyzed regioselective functionalization of unactivated alkenes with trifluoroacetimidoyl chlorides. <i>Chemical Science</i> , 2022, 13, 3526-3532.	7.4	17
4	Metal-Free Photochemical C [∞] Se Cross-Coupling of Aryl Halides with Diselenides. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1607-1612.	4.3	8
5	Palladium-catalyzed norbornene-mediated dehydrogenative annulation of 3-iodochromones with trifluoroacetimidoyl chlorides for the construction of trifluoromethyl-substituted chromeno[2,3-c]quinolin-12-ones. <i>Molecular Catalysis</i> , 2022, 524, 112320.	2.0	3
6	Metal-free Synthesis of 5-Trifluoromethyl-1,2,4-triazoles via elemental sulfur promoted oxidative cyclization of trifluoroacetimidohydrazides with benzylic and aliphatic amines. <i>Molecular Catalysis</i> , 2022, 524, 112336.	2.0	2
7	Metal-free synthesis of 3-trifluoromethyl-1,2,4-triazoles via oxidative cyclization of trifluoroacetimidohydrazides with N,N-dimethylformamide as carbon synthons. <i>Green Synthesis and Catalysis</i> , 2022, 3, 385-388.	6.8	5
8	Recent Advances in Copper-Catalyzed Carboxylation Reactions with CO ₂ . <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	5
9	The cascade coupling/iodoaminocyclization reaction of trifluoroacetimidoyl chlorides and allylamines: metal-free access to 2-trifluoromethyl-imidazolines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6115-6119.	2.8	10
10	Silver-Mediated [3 + 2] Cycloaddition of Azomethine Ylides with Trifluoroacetimidoyl Chlorides for the Synthesis of 5-(Trifluoromethyl)imidazoles. <i>Journal of Organic Chemistry</i> , 2021, 86, 4361-4370.	3.2	21
11	Synthesis of 3-H-1,2,4-Triazol-3-ones via NiCl ₂ -Promoted Cascade Annulation of Hydrazonoyl Chlorides and Sodium Cyanate. <i>Organic Letters</i> , 2021, 23, 2359-2363.	4.6	20
12	Synthesis of 5-(Trifluoromethyl)-1,2,4-triazoles via Metal-Free Annulation of Trifluoroacetimidohydrazides and Methyl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3060-3069.	4.3	17
13	Elemental Sulfur and Dimethyl Sulfoxide-Promoted Oxidative Cyclization of Trifluoroacetimidohydrazides with Methylhetarenes for the Synthesis of 3-Hetaryl-5-(Trifluoromethyl)-1,2,4-triazoles. <i>Chinese Journal of Chemistry</i> , 2021, 39, 3443.	4.9	14
14	Synthesis of 5-trifluoromethyl-1,2,3-triazoles <i>via</i> base-mediated cascade annulation of diazo compounds with trifluoroacetimidoyl chlorides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3440-3445.	4.5	24
15	Palladium-Catalyzed Carbonylative Synthesis of 2-(Trifluoromethyl)quinazolin-4(3-H)-ones from Trifluoroacetimidoyl Chlorides and Nitro Compounds. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1417-1426.	4.3	22
16	Copper-mediated [3 + 2] cycloaddition of trifluoroacetimidoyl chlorides and N-isocyanoiminotriphenylphosphorane for the synthesis of 3-trifluoromethyl-1,2,4-triazoles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5040-5044.	4.5	20
17	Palladium-Catalyzed Cascade Carbonylative Synthesis of 1,2,4-Triazol-3-ones from Hydrazonoyl Chlorides and Na ₃ . <i>Organic Letters</i> , 2021, 23, 974-978.	4.6	30
18	Metal-free oxidative cyclization of trifluoroacetimidohydrazides with methylhetarenes: a facile access to 3-hetaryl-5-trifluoromethyl-1,2,4-triazoles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4490-4495.	4.5	20

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19	Oxidative Cyclization of Trifluoroacetimidohydrazides with D-Glucose for the Metal-Free Synthesis of 3-(trifluoromethyl)-1,2,4-triazoles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4982.	4.3	11
20	Nickel-catalyzed dual C(sp ²)-H activation of arenes: a new route to diaryl ethers. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2224-2229.	4.5	9
21	From "Gift"™ to gift: producing organic solvents from CO ₂ . <i>Green Chemistry</i> , 2020, 22, 8169-8182.	9.0	19
22	Palladium-catalyzed three-component carbonylative synthesis of 2-(trifluoromethyl)quinazolin-4(3 <i>H</i>)-ones from trifluoroacetimidoyl chlorides and amines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2499-2504.	4.5	35
23	A Convenient FeCl ₃ -Mediated Synthesis of 5-(trifluoromethyl)-1,2,4-triazoles from Trifluoroacetimidoyl Chlorides and Hydrazides. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5130-5134.	4.3	28
24	Palladium-Catalyzed Cascade Carbonylative Cyclization Reaction of Trifluoroacetimidoyl Chlorides and 2-Iodoanilines: Toward 2-(Trifluoromethyl)quinazolin-4(3 <i>H</i>)-ones Synthesis. <i>ChemistrySelect</i> , 2020, 5, 11072-11076.	1.5	10
25	FeCl ₃ -Mediated Synthesis of 2-(Trifluoromethyl)quinazolin-4(3 <i>H</i>)-ones from Isatins and Trifluoroacetimidoyl Chlorides. <i>Organic Letters</i> , 2020, 22, 5567-5571.	4.6	47
26	Palladium-Catalyzed Four-Component Carbonylative Cyclization Reaction of Trifluoroacetimidoyl Chlorides, Propargyl Amines, and Diaryliodonium Salts: Access to Trifluoromethyl-Containing Trisubstituted Imidazoles. <i>Organic Letters</i> , 2020, 22, 1980-1984.	4.6	46
27	Carbonylative synthesis of heterocycles involving diverse CO surrogates. <i>Chemical Communications</i> , 2020, 56, 6016-6030.	4.1	93
28	Base-mediated [3+2] annulation of trifluoroacetimidoyl chlorides and isocyanides: An improved approach for regioselective synthesis of 5-trifluoromethyl-imidazoles. <i>Tetrahedron</i> , 2020, 76, 131168.	1.9	11
29	Trifluoroacetimidoyl halides: a potent synthetic origin. <i>Organic Chemistry Frontiers</i> , 2020, 7, 223-254.	4.5	44
30	Redox-Neutral Rhodium(III)-Catalyzed Annulation of Arylhydrazines with Sulfoxonium Ylides To Synthesize 2-Arylindoles. <i>Journal of Organic Chemistry</i> , 2019, 84, 13013-13021.	3.2	45
31	Metal-Free Synthesis of 5-(trifluoromethyl)-1,2,4-triazoles from Iodine-Mediated Annulation of Trifluoroacetimidoyl Chlorides and Hydrazones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4949-4954.	4.3	42
32	Rhodium-Catalyzed Cascade Annulation of Benzimidates and Nitroalkenes for the Synthesis of Difunctionalized Indenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4140-4146.	4.3	13
33	Synthesis of Multi-Substituted Dihydropyrazoles by Copper-Mediated [4+1] Cycloaddition Reaction of <i>N</i> -Sulfonylhydrazones and Sulfoxonium Ylides. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3124-3136.	4.3	42
34	Iodine-Mediated Multicomponent Synthesis of 3-Sulfonylimidazo[1,2- <i>a</i>]pyridines from 2-Aminopyridines, Ketones, and Sulfonyl Hydrazides. <i>Synlett</i> , 2019, 30, 625-629.	1.8	5
35	Synthesis of Aryl Trimethylstannane via BF ₃ ·OEt ₂ -Mediated Cross-Coupling of Hexaalkyl Distannane Reagent with Aryl Triazene at Room Temperature. <i>Journal of Organic Chemistry</i> , 2019, 84, 463-471.	3.2	23
36	Catalyst-Free Regioselective Nazarov Cyclization of Aryl Allenyl Ketones. <i>Synthesis</i> , 2018, 50, 349-360.	2.3	9

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37	Oxidant-Mediated Nitrogenation and Recyclization of Imidazo[1,2-a]pyridines with Sodium Azide: Synthesis of 4-H-Pyrido[1,2-a][1,3,5]triazin-4-ones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 881-886.	4.3	10
38	Direct ortho-Acyloxylation of Arenes and Alkenes by Cobalt Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 519-532.	4.3	40
39	Visible-Light-Induced 3-Component Synthesis of Sulfonylated Oxindoles by Fixation of Sulfur Dioxide. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5725-5734.	2.4	25
40	Cobalt-Catalyzed Aerobic Oxidative C-H/C-H Cross-Coupling of Unactivated Arenes for the Synthesis of Biaryls. <i>Organic Letters</i> , 2018, 20, 5845-5848.	4.6	38
41	Transition-Metal-Free Arylation and Alkylation of Diarylmethyl <i>p</i> -Tolyl Sulfones with Zinc Reagents. <i>Journal of Organic Chemistry</i> , 2018, 83, 10602-10612.	3.2	13
42	1,2-Gold Carbene Transfer Empowers Regioselective Synthesis of Polysubstituted Furans. <i>Organic Letters</i> , 2018, 20, 3096-3100.	4.6	33
43	Visible-light mediated 3-component synthesis of sulfonylated coumarins from sulfur dioxide. <i>Green Chemistry</i> , 2018, 20, 3059-3070.	9.0	89
44	Catalyst-Controlled Chemodivergent Modification of Indoles with 2-Furylcarbinols: Piancatelli Reaction vs Cross-Dehydrative Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2017, 82, 3561-3570.	3.2	33
45	Nickel-Catalyzed Stereoselective Alkenylation of C(sp ³)-H Bonds with Terminal Alkynes. <i>Organic Letters</i> , 2017, 19, 850-853.	4.6	49
46	Metal-Free Mediated C-3 Methylsulfanylation of Imidazo[1,2-a]-pyridines with Dimethyl Sulfoxide as a Methylsulfanylation Agent. <i>Synlett</i> , 2017, 28, 1795-1800.	1.8	20
47	Synthesis of Functionalized Indenones via Rh-Catalyzed C-H Activation Cascade Reaction. <i>Organic Letters</i> , 2017, 19, 2588-2591.	4.6	54
48	Transition metal-free tandem pyridinyl-allyl cross-coupling reaction. <i>Synthetic Communications</i> , 2017, 47, 1668-1675.	2.1	8
49	A modular approach to highly functionalized 3-sulfonylfurans via conjugate addition of 3-cyclopropylideneprop-2-en-1-ones with sodium sulfinates and sequential 5-endo-trig iodocyclization. <i>Organic Chemistry Frontiers</i> , 2017, 4, 1824-1828.	4.5	20
50	Recent Advances in Multicomponent Synthesis of 1,4,5-Trisubstituted 1,2,3-Triazoles. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 202-224.	4.3	84
51	Strain-Promoted Nitration of 3-Cyclopropylideneprop-2-en-1-ones and the Application for the Synthesis of Pyrroles. <i>Journal of Organic Chemistry</i> , 2017, 82, 12224-12237.	3.2	8
52	Base-mediated diastereoselective [4 + 3] annulation of in situ generated ortho-quinone methides with C,N-cyclic azomethine imines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7513-7517.	2.8	33
53	Recent Developments in Azide-Free Synthesis of 1,2,3-Triazoles. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1797-1807.	4.9	25
54	Copper-Catalyzed Double C-N Bond Formation for the Synthesis of Diverse Benzimidazoles from N-Alkyl-2-iodoaniline and Sodium Azide. <i>Synlett</i> , 2017, 28, 504-508.	1.8	15

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55	Lewis Acid Catalyzed Regiospecific Cross-Dehydrative Coupling Reaction of 2-Furylcarbinols with Î²-Keto Amides or 4-Hydroxycoumarins: A Route to Furyl Enols. <i>Journal of Organic Chemistry</i> , 2016, 81, 5228-5235.	3.2	16
56	1-Hydroxybenzotriazole-Assisted, N-Heterocyclic Carbene Catalyzed Î²-Functionalization of Saturated Carboxylic Esters: Access to Spirooxindole Lactones. <i>Journal of Organic Chemistry</i> , 2016, 81, 11454-11460.	3.2	55
57	Solvent-Controlled, Tunable Hydrosulfonylation of 3-Cyclopropylideneprop-2-en-1-ones. <i>Organic Letters</i> , 2016, 18, 4292-4295.	4.6	21
58	An Approach to Five-Membered Lactams from Aliphatic Amides and Terminal Acetylenes by Nickel Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1778-1793.	4.3	33
59	Cobalt-catalyzed synthesis of quinolines from the redox-neutral annulation of anilides and alkynes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 678-682.	4.5	50
60	Synthesis of Benzo-Fused Cyclic Compounds via Intramolecular Cyclization of Aryltriazenes. <i>Synlett</i> , 2016, 27, 1318-1334.	1.8	52
61	I ₂ -Catalyzed Oxidative Coupling Reactions of Hydrazones and Amines and the Application in the Synthesis of 1,3,5-Trisubstituted 1,2,4-Triazoles. <i>Organic Letters</i> , 2016, 18, 1334-1337.	4.6	74
62	Transition metal-catalyzed C-H bond functionalizations by the use of diverse directing groups. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1107-1295.	4.5	1,379
63	Nickel-Catalyzed Regioselective Reductive Cross-Coupling of Aryl Halides with Polysubstituted Allyl Halides in the Presence of Imidazolium Salts. <i>Synlett</i> , 2015, 26, 2784-2788.	1.8	5
64	Nickel-Catalyzed Direct Amination of Arenes with Alkylamines. <i>Organic Letters</i> , 2015, 17, 2482-2485.	4.6	129
65	Metal-Free C-N and N-N Bond Formation: Synthesis of 1,2,3-Triazoles from Ketones, N-Tosylhydrazines, and Amines in One Pot. <i>Chemistry - A European Journal</i> , 2014, 20, 17635-17639.	3.3	63
66	Efficient Synthesis of 1,2,3-Triazoles by Copper-Mediated C-N and N-N Bond Formation Starting From N-Tosylhydrazones and Amines. <i>Chemistry - A European Journal</i> , 2014, 20, 13692-13697.	3.3	60
67	Copper-Mediated Synthesis of 1,2,3-Triazoles from N-Tosylhydrazones and Anilines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13324-13328.	13.8	145
68	K ₂ CO ₃ promoted direct sulfonylation of indoles: a facile approach towards 3-sulfonylindoles. <i>Green Chemistry</i> , 2013, 15, 2096.	9.0	132
69	BF ₃ ·OEt ₂ -Promoted Tandem O-Arylation/Hydroxylation: Efficient Synthesis of 2-Hydroxyflavanones from Triazenylaryl-Substituted Diketones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7411-7420.	2.4	5
70	Palladium-catalyzed carbonylative synthesis of 5-trifluoromethyl-1,2,4-triazoles from trifluoroacetimidohydrazides and aryl iodides. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	16