

Chao Chen

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104
papers

4,147
citations

37
h-index

62
g-index

154
ext. papers

4,614
ext. citations

6.2
avg. IF

5.75
L-index

#	Paper	IF	Citations
104	Copper-catalyzed oxidative trifluoromethylthiolation of aryl boronic acids with TMSCF ₃ and elemental sulfur. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2492-5	16.4	269
103	Metal-free oxidative trifluoromethylthiolation of terminal alkynes with CF ₃ SiMe ₃ and elemental sulfur. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12454-7	16.4	227
102	Copper(II)-catalyzed three-component cascade annulation of diaryliodoniums, nitriles, and alkynes: a regioselective synthesis of multiply substituted quinolines. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5323-7	16.4	188
101	Highly enantioselective insertion of carbenoids into O-H bonds of phenols: an efficient approach to chiral alpha-aryloxy-carboxylic esters. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12616-7	16.4	186
100	Calixarene-Based Supramolecular AIE Dots with Highly Inhibited Nonradiative Decay and Intersystem Crossing for Ultrasensitive Fluorescence Image-Guided Cancer Surgery. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10008-10012	16.4	144
99	Carbon-carbon bond activation by 1,1-carboboration of internal alkynes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13594-5	16.4	139
98	Copper-catalyzed direct trifluoromethylthiolation of benzylic C-H bonds via nondirected oxidative C(sp ³)-H activation. <i>Organic Letters</i> , 2014 , 16, 3372-5	6.2	130
97	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11839-42	16.4	114
96	1,1-carboboration of 1-alkynes: a conceptual alternative to the hydroboration reaction. <i>Organic Letters</i> , 2011 , 13, 62-5	6.2	111
95	Cyclizations via frustrated Lewis pairs: Lewis acid induced intramolecular additions of amines to olefins and alkynes. <i>Chemistry - A European Journal</i> , 2010 , 16, 3005-8	4.8	103
94	Exploring the limits of frustrated Lewis pair chemistry with alkynes: detection of a system that favors 1,1-carboboration over cooperative 1,2-P/B-addition. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2199-208	4.5	101
93	Copper-Catalyzed Oxidative Trifluoromethylthiolation of Aryl Boronic Acids with TMSCF ₃ and Elemental Sulfur. <i>Angewandte Chemie</i> , 2012 , 124, 2542-2545	3.6	97
92	Hypervalent iodine: a powerful electrophile for asymmetric functionalization of carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 4278-89	3.9	91
91	Dibenzopentalenes from B(C ₆ F ₅) ₃ -induced cyclization reactions of 1,2-bis(phenylethynyl)benzenes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5992-6	16.4	90
90	One-pot synthesis of quinazoline derivatives via [2+2+2] cascade annulation of diaryliodonium salts and two nitriles. <i>Chemical Communications</i> , 2013 , 49, 6752-4	5.8	89
89	Remarkably variable reaction modes of frustrated Lewis pairs with non-conjugated terminal diacetylenes. <i>Chemical Communications</i> , 2010 , 46, 3580-2	5.8	87
88	Concise approach to benzisothiazol-3(2H)-one via copper-catalyzed tandem reaction of o-bromobenzamide and potassium thiocyanate in water. <i>Journal of Organic Chemistry</i> , 2012 , 77, 4148-51 ^{4.2}		76

87	CuCl-catalyzed ortho trifluoromethylation of arenes and heteroarenes with a pivalamido directing group. <i>Chemical Communications</i> , 2013 , 49, 4552-4	5.8	76
86	High-efficiency near-infrared organic light-emitting devices based on an iridium complex with negligible efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6446	7.1	71
85	Cp ₂ TiCl ₂ -Catalyzed Regioselective Hydrocarboxylation of Alkenes with CO ₂ . <i>Organic Letters</i> , 2016 , 18, 2050-3	6.2	70
84	-Arylation of oxime ethers using diaryliodonium salts through activation of inert C(sp)-H bonds using a palladium catalyst. <i>Chemical Science</i> , 2016 , 7, 1383-1387	9.4	66
83	Copper-Catalyzed [2+2+2] Modular Synthesis of Multisubstituted Pyridines: Alkenylation of Nitriles with Vinylidonium Salts. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4824-4828	16.4	62
82	Diverse tandem cyclization reactions of o-cyanoanilines and diaryliodonium salts with copper catalyst for the construction of quinazolinimine and acridine scaffolds. <i>Organic Letters</i> , 2014 , 16, 6228-31	6.2	60
81	Synthesis of 6-(aryltio)phenanthridines by copper-catalyzed tandem reactions of 2-biaryl isothiocyanates with diaryliodonium salts. <i>Organic Letters</i> , 2015 , 17, 1232-5	6.2	54
80	o-Diarylphosphinoferrrocene Sulfonate Palladium Systems for Nonalternating EtheneCarbon Monoxide Copolymerization. <i>Organometallics</i> , 2011 , 30, 5248-5257	3.8	50
79	1,1-Cycloaddition of oxalyl dichloride with dialkenylmetal compounds: formation of cyclopentadienone derivatives by the reaction of 1,4,-dilithio-1,3-dienes or zirconacyclopentadienes with oxalyl chloride in the presence of CuCl. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8024-5	16.4	50
78	A concise construction of polycyclic quinolines via annulation of Ecyano-1-alkynes with diaryliodonium salts. <i>Organic Letters</i> , 2013 , 15, 4794-7	6.2	49
77	Copper-catalyzed electrophilic amination of alkenylzirconocenes with O-benzoylhydroxylamines: an efficient method for synthesis of enamines. <i>Organic Letters</i> , 2012 , 14, 4750-3	6.2	49
76	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie</i> , 2015 , 127, 12005-12008	3.6	46
75	Applying polarity rapid assessment method and ultrafiltration to characterize NDMA precursors in wastewater effluents. <i>Water Research</i> , 2014 , 57, 115-26	12.5	44
74	Rh(III)-catalyzed cascade oxidative olefination/cyclization of picolinamides and alkenes via C-H activation. <i>Organic Letters</i> , 2014 , 16, 3142-5	6.2	43
73	Pd-catalyzed one-pot multicomponent coupling reaction for the highly regioselective synthesis of polysubstituted benzenes. <i>Organic Letters</i> , 2005 , 7, 347-9	6.2	43
72	Cu-catalyzed arylcarbocyclization of alkynes with diaryliodonium salts through C-C bond formation on inert C(sp ³)-H bond. <i>Organic Letters</i> , 2014 , 16, 3776-9	6.2	41
71	Photoredox-catalyzed dicarbofunctionalization of styrenes with amines and CO ₂ : a convenient access to Eamino acids. <i>Green Chemistry</i> , 2020 , 22, 5961-5965	10	40
70	Direct vicinal disubstitution of diaryliodonium salts by pyridine N-oxides and N-amidates by a 1,3-radical rearrangement. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7574-8	16.4	39

- 69 Copper(II)-Catalyzed Three-Component Cascade Annulation of Diaryliodoniums, Nitriles, and Alkynes: A Regioselective Synthesis of Multiply Substituted Quinolines. *Angewandte Chemie*, **2013**, 125, 5431-5435 3.6 39
- 68 Copper-Catalyzed Carboxylation of Alkenylzirconocenes with Carbon Dioxide Leading to β -Unsaturated Carboxylic Acids. *Organic Letters*, **2015**, 17, 5112-5 6.2 37
- 67 Tandem Arylation/Friedel-Crafts Reactions of *o*-Acylanilines with Diaryliodonium Salts: A Modular Synthesis of Acridine Derivatives. *European Journal of Organic Chemistry*, **2015**, 2015, 3361-3369 3.2 36
- 66 Cu-catalyzed intramolecular aryl-etherification reactions of alkoxy alkynes with diaryliodonium salts via cleavage of a stable C-O bond. *Chemical Communications*, **2015**, 51, 1356-9 5.8 36
- 65 The B(C₆F₅)₃ boron Lewis acid route to arene-annulated pentalenes. *Chemistry - an Asian Journal*, **2014**, 9, 1671-81 4.5 35
- 64 The removal of estrogenic activity with UV/chlorine technology and identification of novel estrogenic disinfection by-products. *Journal of Hazardous Materials*, **2016**, 307, 119-26 12.8 34
- 63 Dibenzopentalenes from B(C₆F₅)₃-Induced Cyclization Reactions of 1,2-Bis(phenylethynyl)benzenes. *Angewandte Chemie*, **2013**, 125, 6108-6112 3.6 34
- 62 Coupling Reactions of 1,4-Dicuprio-1,3-dienes: Formation of Carbocycles. *European Journal of Organic Chemistry*, **2004**, 2004, 647-650 3.2 27
- 61 Organocatalytic Enantioselective Michael/Cyclization Domino Reaction between 3-Amideoxindoles and β -Unsaturated Aldehydes: One-Pot Preparation of Chiral Spirocyclic Oxindole-Lactams. *Journal of Organic Chemistry*, **2017**, 82, 3908-3916 4.2 26
- 60 Cu-Catalyzed Cascade Annulation of Diaryliodonium Salts and Nitriles: Synthesis of Nitrogen-Containing Heterocycles. *Synthesis*, **2017**, 49, 5081-5092 2.9 26
- 59 Copper-mediated amidation of alkenylzirconocenes with acyl azides: formation of enamides. *Organic Letters*, **2013**, 15, 5174-7 6.2 25
- 58 I₂-Mediated oxidative bicyclization of 4-pentenamines to prolinol carbamates with CO₂ incorporating oxyamination of the CC bond. *Green Chemistry*, **2017**, 19, 4515-4519 10 24
- 57 Acid-promoted bicyclization of arylacetylenes to benzobicyclo[3.2.1]octanes through cationic rearrangements. *Chemical Communications*, **2016**, 52, 4537-40 5.8 23
- 56 Zirconacycle-mediated synthesis of carbocycles. *Science Bulletin*, **2010**, 55, 3235-3247 22
- 55 Organocatalytic Asymmetric Annulation between Hydroxymaleimides and Nitrosoarenes: Stereoselective Preparation of Chiral Quaternary N-Hydroxyindolines. *Organic Letters*, **2017**, 19, 2805-2808 6.2 21
- 54 Zirconocene-catalyzed sequential ethylcarboxylation of alkenes using ethylmagnesium chloride and carbon dioxide. *Chemical Communications*, **2015**, 51, 6640-2 5.8 21
- 53 Synthesis of benzo[1,3]oxazines via copper(I)-catalyzed cascade annulation of nitriles, aldehydes and diaryliodonium salts. *Organic Chemistry Frontiers*, **2016**, 3, 501-504 5.2 20
- 52 Cu-Catalyzed Core Evolution of Benzoxadiazoles with Diaryliodonium Salts for Regioselective Synthesis of Phenazine Scaffolds. *Organic Letters*, **2018**, 20, 4458-4461 6.2 20

51	Structural Features of Lithio[3]ferrocenophane Systems Bearing Stabilizing Dimethylamino Substituents. <i>Organometallics</i> , 2008 , 27, 3248-3253	3.8	19
50	Structural interconversion between a chain polymer and a two-dimensional network accompanied by tunable magnetic properties. <i>Chemical Communications</i> , 2011 , 47, 6683-5	5.8	18
49	Copper-Catalyzed [2+2+2] Modular Synthesis of Multisubstituted Pyridines: Alkenylation of Nitriles with Vinyliodonium Salts. <i>Angewandte Chemie</i> , 2017 , 129, 4902-4906	3.6	17
48	Concise Synthesis of 1-Naphthols under Mild Conditions through a Copper-Catalyzed Arylation of Methyl Ketones. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 153-159	5.6	17
47	Cycloaddition reaction of zirconacyclopentadienes to quinones: synthesis of higher para-quinones. <i>Organic Letters</i> , 2006 , 8, 4055-8	6.2	17
46	Metallo-phosphorylation of alkynes: reaction of alkynes with Cp ₂ Zr(1-butene)(PR ₃) and chlorophosphate. <i>Chemical Communications</i> , 2003 , 2736-7	5.8	17
45	Generation of benzocyclobutadiene derivatives from zirconaindene derivatives. <i>Journal of Organic Chemistry</i> , 2006 , 71, 5373-6	4.2	16
44	Construction of carbon quantum dots embed HCo/Ni(OH) ₂ hollow nanocages with enhanced supercapacitor performance. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4342-4351	3.8	15
43	Copper-catalyzed intramolecular aryl-bicyclization of diynes with diaryliodonium salts via vinyl cations. <i>Chemical Communications</i> , 2016 , 52, 10277-80	5.8	15
42	CuCl-catalyzed reaction of zirconacyclopentenes with oxalyl chloride: a new pathway for the preparation of cyclopentenones. <i>Tetrahedron Letters</i> , 2009 , 50, 5434-5436	2	15
41	Copper-mediated electrophilic imination of alkenylzirconocenes with O-benzoyl ketoximes and aldoximes. <i>Chemical Communications</i> , 2013 , 49, 5513-5	5.8	14
40	A concise and efficient synthesis of benzimidazo[1,2-c]quinazolines through CuI-catalyzed intramolecular N-arylations. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 2365-9	2.5	14
39	Acid-Promoted Reaction of Sulfonyl Chlorides with Alkenes: New Approach to the Regioselective Synthesis of β -Hydroxyl Sulfone Derivatives. <i>Synlett</i> , 2004 , 2004, 1595-1597	2.2	14
38	Combustion behaviour and dominant shrinkage mechanism of flexible polyurethane foam in the cone calorimeter test. <i>Journal of Hazardous Materials</i> , 2019 , 365, 395-404	12.8	14
37	Visible-light-triggered direct keto-difluoroacetylation of styrenes with (fluorosulfonyl)difluoroacetate and dimethyl sulfoxide leads to β -difluoroacetylated ketones. <i>Chemical Communications</i> , 2019 , 55, 10980-10983	5.8	12
36	Copper-Mediated Reaction of Zirconacyclopentadienes with Azides: A One-Pot Three-Component Synthesis of Multiply Substituted Pyrroles from One Azide and Two Alkynes. <i>Organometallics</i> , 2013 , 32, 6182-6185	3.8	12
35	One-Pot Synthesis of Multiply Substituted Quinoline and Quinazoline Derivatives via [2+2+2] Cascade Annulation with Diaryliodonium Salts. <i>Synlett</i> , 2013 , 24, 2619-2623	2.2	12
34	Zirconocene-promoted coupling reaction of terminal acetylenes to geminal enediynes in the presence of p-chloranil. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 4612-4617	2.3	12

33	Study of Electrophilic Cyclization Reactions Triggered by Diaryliodonium Salts. <i>Chinese Journal of Organic Chemistry</i> , 2015 , 35, 937	3	12
32	UV photoconversion of environmental oestrogen diethylstilbestrol and its persistence in surface water under sunlight. <i>Water Research</i> , 2017 , 127, 77-85	12.5	11
31	Atom- and Step-Efficient Construction of Five-Membered Carbocycles with Alkenes and Alkynes Catalyzed by AgSbF ₆ . <i>ACS Catalysis</i> , 2018 , 8, 7760-7765	13.1	11
30	Effect of lithium chloride on allylation of zirconacyclopentadienes. <i>Tetrahedron Letters</i> , 2004 , 45, 595-598		10
29	Direct Vicinal Disubstitution of Diaryliodonium Salts by Pyridine N-oxides and N-amidates by a 1,3-Radical Rearrangement. <i>Angewandte Chemie</i> , 2013 , 125, 7722-7726	3.6	9
28	Michael addition reactions of Grignard reagents to 2-halogenoacrylates: a convenient method for the synthesis of polysubstituted cyclopropane compounds. <i>Tetrahedron Letters</i> , 2004 , 45, 6067-6069	2	9
27	Transition-metal-free trifluoromethylthiolation-cyclization of arynes by insertion into the C-S bonds. <i>Green Synthesis and Catalysis</i> , 2021 , 2, 62-65	9.3	9
26	A concise synthesis of indene-based polycyclic compounds via FeCl ₃ -catalyzed cascade cyclization. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1165-1169	5.2	8
25	Facile synthesis of α -trifluoromethylthio phosphonium ylides with a constrained trifluoromethylthiooxide via a proton-transfer procedure. <i>Chemical Communications</i> , 2019 , 55, 9479-9482	5.8	8
24	Chemoselective Phosphination of Titanacyclobutene: A Convenient Method for Synthesis of Allylphosphine Derivatives. <i>Organometallics</i> , 2014 , 33, 844-846	3.8	8
23	Synthesis and reactivity of carbazole-containing hypervalent iodine(III) reagents. <i>Chinese Chemical Letters</i> , 2020 , 31, 357-360	8.1	8
22	Synthesis of Naphthalenyl Triflates via the Cationic Annulation of Benzodiyne with Triflic Acid. <i>Organic Letters</i> , 2019 , 21, 5010-5014	6.2	7
21	Development of a pendant experiment using melt indexer for correlation with the large-size dripping in the UL-94 test. <i>Fire and Materials</i> , 2018 , 42, 436-446	1.8	7
20	Cycloaddition of Zirconacyclopentadiene with 2-Bromoacrylate, 2-Bromoacrylaldehyde, and 3-Bromofuran-2,5-dione in the Presence of CuCl: A New Pathway for the Formation of Benzene Derivatives and Isobenzofuran-1,3-dione. <i>Synthetic Communications</i> , 2010 , 40, 570-579	1.7	7
19	Concise synthesis of xanthenes by the tandem etherification-acylation of diaryliodonium salts with salicylates. <i>Chinese Chemical Letters</i> , 2018 , 29, 985-988	8.1	6
18	An Unprecedented Tandem Annulation of β -Azido-1-alkynes with Diaryliodonium Salts: A Facile Synthesis of Polycyclic Quinolines. <i>Synlett</i> , 2014 , 25, 2721-2726	2.2	5
17	Facile synthesis of 1-naphthols through a copper-catalyzed arylation of methyl ketones with o-bromoacetophenones. <i>Chinese Chemical Letters</i> , 2015 , 26, 1231-1235	8.1	4
16	Exploiting the narrow gap of rearrangement between the substituents in the vicinal disubstitution reactions of diaryliodonium salts with pyridine N-sulfonamidates. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 751-63	3.9	4

15	Wet carbonate-promoted radical arylation of vinyl pinacolboronates with diaryliodonium salts yields substituted olefins. <i>Communications Chemistry</i> , 2020 , 3,	6.3	4
14	MeOTf-Catalyzed Intramolecular Acyl-Cyclization of Aryl Isocyanates: Efficient Access to Phenanthridin-6(5H)-one and 3,4-Dihydroisoquinolin-1(2H)-one Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 355-359	3	4
13	Copper-mediated reaction of oxazirconacyclopentenes with dichlorophenylphosphine: a new pathway for the formation of 1,2-oxaphosphole derivatives. <i>RSC Advances</i> , 2015 , 5, 71724-71727	3.7	3
12	Directly Oxidative Cross-Coupling between Alkenylzirconocene and Alkynylcopper Reagents. <i>Organometallics</i> , 2016 , 35, 1415-1419	3.8	3
11	CuO-Catalyzed 1,3-Addition of Diaryliodonium Triflates to Diazo Esters for the Stereoselective Synthesis of Triflate-Substituted β -Aryloxy Acrylates. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5963-5969	3.2	3
10	Zirconoarylation of alkynes through p-chloranil-promoted reductive elimination of arylzirconates. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 528-34	2.5	3
9	Preparation, Characterization, and Reactivity of Aliphatic Amino Iodane(III) Reagents. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 436-442	3.2	3
8	Chemical modification of alkyd resin by a DOPO derivative and its flame retardancy. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45643	2.9	3
7	Carbazolation Study of Active Arenes with Carbazole-Containing Hypervalent Iodine(III) Reagents. <i>Chinese Journal of Organic Chemistry</i> , 2019 , 39, 2166	3	2
6	A One-Pot Multicomponent Coupling Reaction for the Stereocontrolled Synthesis of Allyl-Substituted Cyclopropanes.. <i>ChemInform</i> , 2005 , 36, no		1
5	Preparation and Synthetic Application of Naproxen-Containing Diaryliodonium Salts. <i>Molecules</i> , 2021 , 26,	4.8	1
4	The Pd-catalyzed synthesis of difluoroethyl and difluorovinyl compounds with a chlorodifluoroethyl iodonium salt (CDFI). <i>Chinese Chemical Letters</i> , 2021 ,	8.1	1
3	Cu-catalyzed [2 + 2 + 1] cascade annulation of vinyl iodonium salts with elemental sulfur/selenium for the modular synthesis of thiophenes and selenophenes. <i>New Journal of Chemistry</i> , 2022 , 46, 945-949	3.6	0
2	Study on the Selective Difluorochloroethylation Reactions of Amides with Hypervalent Iodine Reagent. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 3660	3	0
1	MeOTf/KI-catalyzed efficient synthesis of 2-arylnaphthalenes cyclodimerization of styrene oxides. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 8559-8565	3.9	0