

# Chao Feng

## List of Publications by Year in descending order

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70  
papers

4,085  
citations

101543

36  
h-index

114465

63  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2760  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-catalyzed olefinic trifluoromethylation of enamides at room temperature. <i>Chemical Science</i> , 2012, 3, 3458.	7.4	247
2	Rhodium-catalyzed C <sub>sp2</sub> -H Alkynylation of Arenes at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2722-2726.	13.8	217
3	Rhodium-catalysed C(sp <sup>2</sup> )-C(sp <sup>2</sup> ) bond formation via C-H/C-F activation. <i>Nature Communications</i> , 2015, 6, 7472.	12.8	213
4	Directing-Group-Assisted Copper-Catalyzed Olefinic Trifluoromethylation of Electron-Deficient Alkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12414-12417.	13.8	142
5	Rhodium(III)-catalyzed olefinic C-H alkynylation of enamides at room temperature. <i>Chemical Communications</i> , 2014, 50, 9865-9868.	4.1	129
6	C-F Bond Cleavage Enabled Redox-Neutral [4+1] Annulation via C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 1762-1765.	13.7	125
7	Palladium-catalyzed decarboxylative cross-coupling of alkynyl carboxylic acids with arylboronic acids. <i>Chemical Communications</i> , 2010, 46, 4779.	4.1	123
8	Rhodium-catalyzed direct ortho C-H olefination of phenol derivatives. <i>Chemical Communications</i> , 2011, 47, 10458.	4.1	118
9	Oxidant-Free Rh(III)-Catalyzed Direct C-H Olefination of Arenes with Allyl Acetates. <i>Organic Letters</i> , 2013, 15, 3670-3673.	4.6	114
10	Visible-Light-Promoted Carboimination of Unactivated Alkenes for the Synthesis of Densely Functionalized Pyrrolone Derivatives. <i>ACS Catalysis</i> , 2016, 6, 5571-5574.	11.2	107
11	Rhodium(III)-catalyzed C7-position C-H alkenylation and alkynylation of indolines. <i>Chemical Communications</i> , 2015, 51, 2532-2535.	4.1	106
12	Manganese-catalyzed synthesis of monofluoroalkenes via C-H activation and C-F cleavage. <i>Chemical Communications</i> , 2017, 53, 8731-8734.	4.1	105
13	Selective C-F bond carboxylation of gem-difluoroalkenes with CO <sub>2</sub> by photoredox/palladium dual catalysis. <i>Chemical Science</i> , 2019, 10, 6721-6726.	7.4	99
14	Rhodium(III)-Catalyzed Olefinic C-H Alkynylation of Acrylamides Using Tosyl-Imide as Directing Group. <i>Organic Letters</i> , 2014, 16, 5956-5959.	4.6	97
15	F <sup>+</sup> Nucleophilic-Addition-Induced Allylic Alkylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15869-15872.	13.7	97
16	Palladium-Catalyzed Bisolefination of C≡C Triple Bonds: A Facile Method for the Synthesis of Naphthalene Derivatives. <i>Journal of the American Chemical Society</i> , 2010, 132, 17710-17712.	13.7	96
17	Ni-catalyzed migratory fluoro-alkenylation of unactivated alkyl bromides with gem-difluoroalkenes. <i>Chemical Science</i> , 2019, 10, 1144-1149.	7.4	90
18	Palladium-Catalyzed Fluoroarylation of gem-Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9872-9876.	13.8	89

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19	Photoredox-Coupled F-Nucleophilic Addition: Allylation of gem-Difluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3918-3922.	13.8	85
20	Rhodium(III)-catalyzed C-H allylation of electron-deficient alkenes with allyl acetates. <i>Chemical Communications</i> , 2015, 51, 342-345.	4.1	81
21	Divergent Functionalization of Indoles with Acryloyl Silanes via Rhodium-Catalyzed C-H Activation. <i>Organic Letters</i> , 2015, 17, 3210-3213.	4.6	77
22	Migratory functionalization of unactivated alkyl bromides for construction of all-carbon quaternary centers via transposed tert-C-radicals. <i>Nature Communications</i> , 2020, 11, 4860.	12.8	77
23	Intermolecular Carboamination of Unactivated Alkenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10695-10699.	13.7	72
24	Fluorine Effects on Group Migration via a Rhodium(V) Nitrenoid Intermediate. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14918-14922.	13.8	67
25	Selective single C-F bond arylation of trifluoromethylalkene derivatives. <i>Chemical Science</i> , 2019, 10, 8701-8705.	7.4	65
26	Photoredox-catalyzed oxo-amination of aryl cyclopropanes. <i>Nature Communications</i> , 2019, 10, 4367.	12.8	65
27	Bimetallic phosphosulfide Zn-Ni-P-S nanosheets as binder-free electrodes for aqueous asymmetric supercapacitors with impressive performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24908-24918.	10.3	61
28	Selective C-F Bond Allylation of Trifluoromethylalkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20237-20242.	13.8	53
29	Antisymmetric Magnetoresistance in a van der Waals Antiferromagnetic/Ferromagnetic Layered MnPS <sub>3</sub> /Fe <sub>3</sub> GeTe <sub>2</sub> Stacking Heterostructure. <i>ACS Nano</i> , 2020, 14, 12037-12044.	14.6	52
30	Redox-Neutral Rhodium-Catalyzed [4+1] Annulation through Formal Dehydrogenative Vinylidene Insertion. <i>ChemSusChem</i> , 2017, 10, 58-61.	6.8	50
31	Visible-Light-Assisted Gold-Catalyzed Fluoroarylation of Allenolates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5242-5247.	13.8	44
32	Palladium-Catalyzed Electrophilic Functionalization of Pyridine Derivatives through Phosphonium Salts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16414-16419.	13.8	41
33	Photoredox Catalysis Induced Bisindolylolation of Ethers/Alcohols via Sequential C-H and C-O Bond Cleavage. <i>Organic Letters</i> , 2017, 19, 6164-6167.	4.6	39
34	Visible-Light-Promoted Regioselective 1,3-Fluoroallylation of gem-Difluorocyclopropanes. <i>Organic Letters</i> , 2020, 22, 8681-8686.	4.6	39
35	Switchable C-H Functionalization of N-Tosyl Acrylamides with Acryloylsilanes. <i>Organic Letters</i> , 2017, 19, 2869-2872.	4.6	37
36	Nonconventional difluoroalkylation of C(sp <sup>2</sup> )-H bonds through hydroarylation. <i>Chemical Communications</i> , 2017, 53, 9482-9485.	4.1	37

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37	Synthesis of three-dimensional free-standing WSe <sub>2</sub> /C hybrid nanofibers as anodes for high-capacity lithium/sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19898-19908.	10.3	35
38	Copper-catalyzed oxyamination of electron-deficient alkenes with N-acyloxyamines. <i>Chemical Communications</i> , 2016, 52, 10373-10376.	4.1	34
39	Pd/Cu cooperative catalysis: an efficient synthesis of (3-isoindazolyl)allenes via cross-coupling of 2-alkynyl azobenzenes and terminal alkynes. <i>Chemical Communications</i> , 2017, 53, 2606-2609.	4.1	34
40	Mechanisms of Rhodium(III)-Catalyzed C-H Functionalizations of Benzamides with $\beta,\beta$ -Difluoromethylene Alkynes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9220-9230.	3.2	34
41	F <sup>+</sup> Nucleophilic-Addition-Induced [3 + 2] Annulation: Direct Access to CF <sub>3</sub> -Substituted Indenes. <i>Organic Letters</i> , 2018, 20, 5190-5193.	4.6	33
42	Rh-Catalyzed C-H bond alkylation of indoles with $\beta,\beta$ -difluorovinyl tosylate <i>via</i> indolyl group migration. <i>Chemical Communications</i> , 2018, 54, 5618-5621.	4.1	32
43	Visible-Light-Promoted Oxo-Sulfonylation of Ynamides with Sulfonic Acids. <i>Organic Letters</i> , 2019, 21, 3514-3517.	4.6	30
44	Colossal Anomalous Hall Effect in Ferromagnetic van der Waals CrTe <sub>2</sub> . <i>ACS Nano</i> , 2021, 15, 9759-9763.	14.6	30
45	Rhodium(III)-Catalyzed Cross-Coupling of Alkenylboronic Acids and <i>N</i> -Pivaloyloxylamides. <i>Organic Letters</i> , 2014, 16, 3444-3447.	4.6	29
46	Selective C-F Bond Allylation of Trifluoromethylalkenes. <i>Angewandte Chemie</i> , 2021, 133, 20399-20404.	2.0	28
47	Visible-Light-Induced Meerwein Fluoroarylation of Styrenes. <i>Organic Letters</i> , 2021, 23, 4040-4044.	4.6	26
48	Nickel-Catalyzed anti-Markovnikov Hydroalkylation of Trifluoromethylalkenes. <i>ACS Catalysis</i> , 2022, 12, 9410-9417.	11.2	26
49	Recent advance in transition-metal-catalyzed oxidant-free 4+1 annulation through C-H bond activation. <i>Tetrahedron Letters</i> , 2018, 59, 430-437.	1.4	25
50	Pyrraline Synthesis via Visible-Light-Promoted Hydroimination of Unactivated Alkenes with <i>N,N</i> -Dimethylpropylene Urea as <i>H</i> -Donor. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1262-1266.	4.3	24
51	Rhodium-Catalyzed Defluorinative Vinylation of <i>gem</i> -Difluoroalkenes for the Synthesis of 2,3-difluorodienes. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1036-1040.	4.9	22
52	Palladium-Catalyzed Fluoroarylation of <i>gem</i> -Difluoroalkenes. <i>Angewandte Chemie</i> , 2017, 129, 10004-10008.	2.0	21
53	A novel type of donor-acceptor cyclopropane with fluorine as the donor: (3 + 2)-cycloadditions with carbonyls. <i>Chemical Science</i> , 2022, 13, 2686-2691.	7.4	21
54	Photoredox-Coupled F-Nucleophilic Addition: Allylation of <i>gem</i> -Difluoroalkenes. <i>Angewandte Chemie</i> , 2019, 131, 3958-3962.	2.0	17

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55	Rh <sup>III</sup> -Catalyzed Hydroarylation of Internal Alkynes through C-H Bond Activation. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1002-1007.	2.7	16
56	A novel type of radical-addition-induced $\beta$ -fragmentation and ensuing remote functionalization. <i>CheM</i> , 2022, 8, 2245-2259.	11.7	14
57	Fluorine Effects on Group Migration via a Rhodium(V) Nitrenoid Intermediate. <i>Angewandte Chemie</i> , 2017, 129, 15114-15118.	2.0	13
58	Expedient Trifluoromethylacylation of Styrenes Enabled by Photoredox Catalysis. <i>Chinese Journal of Chemistry</i> , 2022, 40, 59-64.	4.9	13
59	Sulfinate-Engaged Nucleophilic Addition Induced Allylic Alkylation of Allenates. <i>Organic Letters</i> , 2019, 21, 7424-7429.	4.6	11
60	Sterically congested boronate and silane synthesis via electronically controlled protoboration and protosilylation. <i>Cell Reports Physical Science</i> , 2021, 2, 100461.	5.6	9
61	Fermi liquid behavior and colossal magnetoresistance in layered MoOCl <sub>2</sub> . <i>Physical Review Materials</i> , 2020, 4, .	2.4	9
62	Direct Evidence of Spin Transfer Torque on Two-Dimensional Cobalt-Doped MoS <sub>2</sub> Ferromagnetic Material. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1497-1504.	4.3	7
63	Palladium-Catalyzed Electrophilic Functionalization of Pyridine Derivatives through Phosphonium Salts. <i>Angewandte Chemie</i> , 2020, 132, 16556.	2.0	7
64	Planar-symmetry-breaking induced antisymmetric magnetoresistance in van der Waals ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . <i>Nano Research</i> , 2022, 15, 2531-2536.	10.4	7
65	Multisubstituted Cyclohexene Construction through Telescoped Radical-Addition Induced Remote Functional Group Migration and Horner-Wadsworth-Emmons (HWE) Olefination. <i>Organic Letters</i> , 2021, 23, 9611-9615.	4.6	7
66	Visible-Light-Induced Iminothiolation of Unactivated Alkenes. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1386-1389.	2.7	5
67	A neural network protocol for predicting molecular bond energy. <i>Science China Chemistry</i> , 2019, 62, 1698-1703.	8.2	4
68	Magnetic logic inverter from crossed structures of defect-free graphene with large unsaturated room temperature negative magnetoresistance. <i>Nano Research</i> , 2019, 12, 2485-2489.	10.4	3
69	Synthesis of Mono-fluoroallenes through Copper-Catalyzed Defluorinative Silylation of $\beta$ , $\gamma$ -difluoroalkylalkynes. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2035-2039.	4.9	3
70	Visible-Light-Assisted Gold-Catalyzed Fluoroarylation of Allenates. <i>Angewandte Chemie</i> , 2020, 132, 5280-5285.	2.0	2