Xinqiang Fang

List of Publications by Citations

54 papers	1,314 citations	21 h-index	35 g-index
67 ext. papers	1,492 ext. citations	7 avg, IF	4.58 L-index

#	Paper	IF	Citations
54	Enantioselective Diels-Alder reactions of enals and alkylidene diketones catalyzed by N-heterocyclic carbenes. *Organic Letters*, **2011**, 13, 4708-11	6.2	116
53	Enantioselective Stetter reactions of enals and modified chalcones catalyzed by N-heterocyclic carbenes. *Angewandte Chemie - International Edition*, **2011**, 50, 11782-5	16.4	102
52	A rationally designed pyrrolysyl-tRNA synthetase mutant with a broad substrate spectrum. *Journal of the American Chemical Society*, **2012**, 134, 2950-3	16.4	98
51	A genetically encoded acrylamide functionality. *ACS Chemical Biology*, **2013**, 8, 1664-70	4.9	85
50	A highly regio- and stereoselective cascade annulation of enals and benzodi(enone)s catalyzed by N-heterocyclic carbenes. *Angewandte Chemie - International Edition*, **2011**, 50, 1910-3	16.4	83
49	Formal Diels-Alder reactions of chalcones and formylcyclopropanes catalyzed by chiral N-heterocyclic carbenes. *Organic Letters*, **2011**, 13, 5366-9	6.2	71
48	cis-Enals in N-heterocyclic carbene-catalyzed reactions: distinct stereoselectivity and reactivity. *Chemical Science*, **2013**, 4, 2613	9.4	62
47	Genetic incorporation of twelve meta-substituted phenylalanine derivatives using a single pyrrolysyl-tRNA synthetase mutant. *ACS Chemical Biology*, **2013**, 8, 405-15	4.9	61
46	Temporally controlled targeting of 4-hydroxynonenal to specific proteins in living cells. *Journal of the American Chemical Society*, **2013**, 135, 14496-9	16.4	46
45	9-phenyl-10-methylacridinium: a highly efficient and reusable organocatalyst for mild aromatization of 1,4-dihydropyridines by molecular oxygen. *Journal of Organic Chemistry*, **2007**, 72, 8608-10	4.2	41
44	Dynamic Kinetic Resolution Enabled by Intramolecular Benzoin Reaction: Synthetic Applications and Mechanistic Insights. *Journal of the American Chemical Society*, **2016**, 138, 7932-8	16.4	39
43	Efficient regio- and stereoselective formation of azocan-2-ones via 8-endo cyclization of alpha-carbamoyl radicals. *Journal of the American Chemical Society*, **2010**, 132, 2274-83	16.4	39
42	Enantioselective Stetter Reactions of Enals and Modified Chalcones Catalyzed by N-Heterocyclic Carbenes. *Angewandte Chemie*, **2011**, 123, 11986-11989	3.6	38
41	N-Heterocyclic Carbene-Catalyzed Umpolung of β,γ-Unsaturated 1,2-Diketones. *Organic Letters*, **2018**, 20, 64-67	6.2	32
40	A Genetically Encoded Allysine for the Synthesis of Proteins with Site-Specific Lysine Dimethylation. *Angewandte Chemie - International Edition*, **2017**, 56, 212-216	16.4	30
39	Bifunctional Thiourea-Catalyzed Asymmetric Inverse-Electron-Demand Diels-Alder Reaction of Allyl Ketones and Vinyl 1,2-Diketones via Dienolate Intermediate. *Organic Letters*, **2019**, 21, 1979-1983	6.2	30
38	Asymmetric Desymmetrization of 1,3-Diketones via Intramolecular Benzoin Reaction. *Journal of Organic Chemistry*, **2016**, 81, 2763-9	4.2	29

37	A Highly Regio- and Stereoselective Cascade Annulation of Enals and Benzodi(enone)s Catalyzed by N-Heterocyclic Carbenes. *Angewandte Chemie*, **2011**, 123, 1950-1953	3.6	29
36	N-Heterocyclic carbene-catalyzed desymmetrization of functionalized 1,4-dienes via Stetter Reaction. *Chemical Communications*, **2016**, 52, 6459-62	5.8	29
35	Stereodivergent Synthesis of Chromanones and Flavanones via Intramolecular Benzoin Reaction. *Organic Letters*, **2016**, 18, 3980-3	6.2	27
34	Enantioselective Synthesis of 1,2-Dihydronaphthalenes via Oxidative N-Heterocyclic Carbene Catalysis. *Organic Letters*, **2017**, 19, 2470-2473	6.2	21
33	The genetic incorporation of thirteen novel non-canonical amino acids. *Chemical Communications*, **2014**, 50, 2673-5	5.8	20
32	N-Heterocyclic Carbene-Catalyzed Umpolung of Alkynyl 1,2-Diketones. *Advanced Synthesis and Catalysis*, **2017**, 359, 2729-2734	5.6	19
31	Regioselectivity-Switchable Catalytic Annulations of Alkynyl Diketones and Cyanoketones. *Organic Letters*, **2019**, 21, 10075-10080	6.2	13
30	Brsted base-catalyzed annulation of allyl ketones and alkynyl 1,2-diketones. *Chemical Communications*, **2018**, 54, 4266-4269	5.8	11
29	Enantioselective intermolecular all-carbon [4+2] annulation via N-heterocyclic carbene organocatalysis. *Chemical Communications*, **2017**, 53, 13336-13339	5.8	11
28	Kinetic Resolutions Enabled by N-Heterocyclic Carbene Catalysis. *Current Organic Synthesis*, **2017**, 14,	1.9	10
27	A study on the reactions of NADH models with electron-deficient alkenes. A probe for the extreme of concerted electron-hydrogen atom transfer mechanism. *Tetrahedron Letters*, **2009**, 50, 312-315	2	9
26	Divergent Synthesis of Bicyclo[3.2.1]octenes and Cyclohexenes via Catalytic Annulations of Nazarov Reagent and Vinyl 1,2-Diketones. *Organic Letters*, **2020**, 22, 7572-7576	6.2	9
25	Carbene-catalyzed asymmetric Friedel rafts alkylation-annulation sequence and rapid synthesis of indole-fused polycyclic alkaloids. *Communications Chemistry*, **2019**, 2,	6.3	8
24	Kinetic resolution of ketoesters with quaternary stereocenters via a carbene-catalyzed benzoin reaction. *Organic and Biomolecular Chemistry*, **2019**, 17, 2169-2173	3.9	7
23	Catalytic Annulation of Alkynyl 1,2-Diketone Leading to Hydroxy Spirocyclopenteneindenedione: An Organic Dye with Strong Crystallization-Induced Emission and Data Storage Application. *Organic Letters*, **2020**, 22, 2381-2385	6.2	7
22	Asymmetric total synthesis of rotenoids via organocatalyzed dynamic kinetic resolution. *Communications Chemistry*, **2019**, 2,	6.3	6
21	Organocatalyzed Kinetic Resolution of Functionalized Ketones: The Malonate Unit Leads the Way. *ACS Catalysis*, **2020**, 10, 2882-2893	13.1	6
20	Lewis-Acid-Catalyzed Asymmetric Alkynylation of Alkynyl 1,2-Diketones: Controllable Formation of 3(2)-Furanones and Hydroxy Ketones. *Organic Letters*, **2020**, 22, 6948-6953	6.2	6

19	Stereoselectivity of 6-Exo Cyclization of Carbamoyl Radicals. *Journal of Organic Chemistry*, **2016**, 81, 2442-50	4.2	6
18	Kinetic resolution of 2,2-disubstituted-1,3-diketones via carbene catalysis. *Organic Chemistry Frontiers*, **2019**, 6, 290-298	5.2	6
17	A Genetically Encoded Allysine for the Synthesis of Proteins with Site-Specific Lysine Dimethylation. *Angewandte Chemie*, **2017**, 129, 218-222	3.6	5
16	Stereodivergent Access to Enantioenriched Epoxy Alcohols with Three Stereogenic Centers via Ruthenium-Catalyzed Transfer Hydrogenation. *Organic Letters*, **2019**, 21, 5491-5494	6.2	5
15	Theoretical study of N-heterocyclic carbenes-catalyzed cascade annulation of benzodienones and enals. *Chirality*, **2013**, 25, 521-8	2.1	5
14	Access to enantioenriched compounds bearing challenging tetrasubstituted stereocenters via kinetic resolution of auxiliary adjacent alcohols. *Nature Communications*, **2021**, 12, 3735	17.4	5
13	N-Heterocyclic Carbene-Catalyzed Asymmetric Synthesis of Cyclopentenones. *Organic Letters*, **2021**, 23, 3403-3408	6.2	4
12	Catalytic chemodivergent annulations between diketones and alkynyl diketones. *Science China Chemistry*, **2021**, 64, 991-998	7.9	4
11	Asymmetric Synthesis of Dihydronaphthalene-1,4-Diones via Carbene-Catalyzed Stereodivergent Reaction. *Advanced Synthesis and Catalysis*, **2019**, 361, 3943-3949	5.6	3
10	Copper-catalyzed diversified annulations between diketones and alkynyl diketones. *Chinese Chemical Letters*, **2021**,	8.1	3
9	Asymmetric catalytic construction of fully substituted carbon stereocenters using acyclic branched ketocarbonyls: the Methyl Rule widely exists. *Organic Chemistry Frontiers*, **2020**, 7, 3557-3577	5.2	3
8	Divergent Dynamic Kinetic Resolution of a Racemic Mixture of Four Stereoisomers via N-Heterocyclic Carbene Organocatalysis. *Chemistry - an Asian Journal*, **2018**, 13, 3838-3844	4.5	3
7	Cyclopentadienone Formation from Unsaturated Cyclopentenones and Its Application in Diels-Alder Reactions. *Journal of Organic Chemistry*, **2018**, 83, 8953-8961	4.2	2
6	A novel coenzyme NADH model 1-benzyl-1,4-dihydronicotinamide-mediated reaction: a single intermediate serves two mechanisms. *Research on Chemical Intermediates*, **2006**, 32, 603-611	2.8	2
5	Mechanistic Studies on -Heterocyclic Carbene-Catalyzed Umpolung of Unsaturated Diketones. *Journal of Organic Chemistry*, **2021**, 86, 4432-4439	4.2	2
4	Organocatalyzed trifunctionalization of alkynyl 1,2-diones for the concise synthesis of acyloxy allylidene malonates and alkylidenebutenolides. *Green Chemistry*,	10	2
3	Ti(OPr)-Facilitated Formal Deoxygenative Annulation of Alkynyl 1,2-Diketones for the Synthesis of Highly Functionalized Furans. *Organic Letters*, **2021**, 23, 1504-1509	6.2	1
2	Rapid Construction of Polycyclic Ketones and the Divergent Kinetic Resolution Using Ruthenium-Catalyzed Transfer Hydrogenation. *Advanced Synthesis and Catalysis*, **2021**, 363, 2071-2077	5.6	1

List of Publications

1	Copper-Catalyzed Yne-Allylic Substitutions Using Stabilized Nucleophiles. *ACS Catalysis*,6840-6850	13.1	0