

Xinqiang Fang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Copper-catalyzed diversified annulations between α,β -diketones and alkynyl α,β -diketones. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	3
53	Mechanistic Studies on α -Heterocyclic Carbene-Catalyzed Umpolung of α,β -Unsaturated α,β -diketones. <i>Journal of Organic Chemistry</i> , 2021 , 86, 4432-4439	4.2	2
52	N-Heterocyclic Carbene-Catalyzed Asymmetric Synthesis of Cyclopentenones. <i>Organic Letters</i> , 2021 , 23, 3403-3408	6.2	4
51	Catalytic chemodivergent annulations between α,β -diketones and alkynyl α,β -diketones. <i>Science China Chemistry</i> , 2021 , 64, 991-998	7.9	4
50	Access to enantioenriched compounds bearing challenging tetrasubstituted stereocenters via kinetic resolution of auxiliary adjacent alcohols. <i>Nature Communications</i> , 2021 , 12, 3735	17.4	5
49	Ti(OPr) ₄ -Facilitated Formal Deoxygenative Annulation of Alkynyl 1,2-Diketones for the Synthesis of Highly Functionalized Furans. <i>Organic Letters</i> , 2021 , 23, 1504-1509	6.2	1
48	Rapid Construction of Polycyclic Ketones and the Divergent Kinetic Resolution Using Ruthenium-Catalyzed Transfer Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 2071-2077	5.6	1
47	Catalytic Annulation of Alkynyl 1,2-Diketone Leading to Hydroxy Spirocyclopenteneindenedione: An Organic Dye with Strong Crystallization-Induced Emission and Data Storage Application. <i>Organic Letters</i> , 2020 , 22, 2381-2385	6.2	7
46	Organocatalyzed Kinetic Resolution of α -Functionalized Ketones: The Malonate Unit Leads the Way. <i>ACS Catalysis</i> , 2020 , 10, 2882-2893	13.1	6
45	Divergent Synthesis of Bicyclo[3.2.1]octenes and Cyclohexenes via Catalytic Annulations of Nazarov Reagent and Vinyl 1,2-Diketones. <i>Organic Letters</i> , 2020 , 22, 7572-7576	6.2	9
44	Asymmetric catalytic construction of fully substituted carbon stereocenters using acyclic α -branched β -ketocarboxylates: the "Methyl Rule" widely exists. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3557-3577	5.2	3
43	Lewis-Acid-Catalyzed Asymmetric Alkynylation of Alkynyl 1,2-Diketones: Controllable Formation of 3(2)-Furanones and α -Hydroxy Ketones. <i>Organic Letters</i> , 2020 , 22, 6948-6953	6.2	6
42	Kinetic resolution of β -ketoesters with quaternary stereocenters via a carbene-catalyzed benzoin reaction. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2169-2173	3.9	7
41	Asymmetric total synthesis of rotenoids via organocatalyzed dynamic kinetic resolution. <i>Communications Chemistry</i> , 2019 , 2,	6.3	6
40	Asymmetric Synthesis of Dihydronaphthalene-1,4-Diones via Carbene-Catalyzed Stereodivergent Reaction. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 3943-3949	5.6	3
39	Bifunctional Thiourea-Catalyzed Asymmetric Inverse-Electron-Demand Diels-Alder Reaction of Allyl Ketones and Vinyl 1,2-Diketones via Dienolate Intermediate. <i>Organic Letters</i> , 2019 , 21, 1979-1983	6.2	30
38	Carbene-catalyzed asymmetric Friedel-Crafts alkylation-annulation sequence and rapid synthesis of indole-fused polycyclic alkaloids. <i>Communications Chemistry</i> , 2019 , 2,	6.3	8

37	Stereodivergent Access to Enantioenriched Epoxy Alcohols with Three Stereogenic Centers via Ruthenium-Catalyzed Transfer Hydrogenation. <i>Organic Letters</i> , 2019 , 21, 5491-5494	6.2	5
36	Regioselectivity-Switchable Catalytic Annulations of Alkynyl β -Diketones and β -Cyanoketones. <i>Organic Letters</i> , 2019 , 21, 10075-10080	6.2	13
35	Kinetic resolution of 2,2-disubstituted-1,3-diketones via carbene catalysis. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 290-298	5.2	6
34	N-Heterocyclic Carbene-Catalyzed Umpolung of α,β -Unsaturated 1,2-Diketones. <i>Organic Letters</i> , 2018 , 20, 64-67	6.2	32
33	Brønsted base-catalyzed annulation of allyl ketones and alkynyl 1,2-diketones. <i>Chemical Communications</i> , 2018 , 54, 4266-4269	5.8	11
32	Cyclopentadienone Formation from α,β -Unsaturated Cyclopentenones and Its Application in Diels-Alder Reactions. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8953-8961	4.2	2
31	Divergent Dynamic Kinetic Resolution of a Racemic Mixture of Four Stereoisomers via N-Heterocyclic Carbene Organocatalysis. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 3838-3844	4.5	3
30	Enantioselective Synthesis of 1,2-Dihydronaphthalenes via Oxidative N-Heterocyclic Carbene Catalysis. <i>Organic Letters</i> , 2017 , 19, 2470-2473	6.2	21
29	A Genetically Encoded Allysine for the Synthesis of Proteins with Site-Specific Lysine Dimethylation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 212-216	16.4	30
28	A Genetically Encoded Allysine for the Synthesis of Proteins with Site-Specific Lysine Dimethylation. <i>Angewandte Chemie</i> , 2017 , 129, 218-222	3.6	5
27	N-Heterocyclic Carbene-Catalyzed Umpolung of Alkynyl 1,2-Diketones. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 2729-2734	5.6	19
26	Enantioselective intermolecular all-carbon [4+2] annulation via N-heterocyclic carbene organocatalysis. <i>Chemical Communications</i> , 2017 , 53, 13336-13339	5.8	11
25	Kinetic Resolutions Enabled by N-Heterocyclic Carbene Catalysis. <i>Current Organic Synthesis</i> , 2017 , 14,	1.9	10
24	Dynamic Kinetic Resolution Enabled by Intramolecular Benzoin Reaction: Synthetic Applications and Mechanistic Insights. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7932-8	16.4	39
23	Asymmetric Desymmetrization of 1,3-Diketones via Intramolecular Benzoin Reaction. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2763-9	4.2	29
22	Stereoselectivity of 6-Exo Cyclization of β -Carbamoyl Radicals. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2442-50	4.2	6
21	N-Heterocyclic carbene-catalyzed desymmetrization of functionalized 1,4-dienes via Stetter Reaction. <i>Chemical Communications</i> , 2016 , 52, 6459-62	5.8	29
20	Stereodivergent Synthesis of Chromanones and Flavanones via Intramolecular Benzoin Reaction. <i>Organic Letters</i> , 2016 , 18, 3980-3	6.2	27

19	The genetic incorporation of thirteen novel non-canonical amino acids. <i>Chemical Communications</i> , 2014 , 50, 2673-5	5.8	20
18	cis-Enals in N-heterocyclic carbene-catalyzed reactions: distinct stereoselectivity and reactivity. <i>Chemical Science</i> , 2013 , 4, 2613	9.4	62
17	A genetically encoded acrylamide functionality. <i>ACS Chemical Biology</i> , 2013 , 8, 1664-70	4.9	85
16	Genetic incorporation of twelve meta-substituted phenylalanine derivatives using a single pyrrolysyl-tRNA synthetase mutant. <i>ACS Chemical Biology</i> , 2013 , 8, 405-15	4.9	61
15	Temporally controlled targeting of 4-hydroxynonenal to specific proteins in living cells. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14496-9	16.4	46
14	Theoretical study of N-heterocyclic carbenes-catalyzed cascade annulation of benzodienones and enals. <i>Chirality</i> , 2013 , 25, 521-8	2.1	5
13	A rationally designed pyrrolysyl-tRNA synthetase mutant with a broad substrate spectrum. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2950-3	16.4	98
12	Enantioselective Diels-Alder reactions of enals and alkylidene diketones catalyzed by N-heterocyclic carbenes. <i>Organic Letters</i> , 2011 , 13, 4708-11	6.2	116
11	Formal Diels-Alder reactions of chalcones and formylcyclopropanes catalyzed by chiral N-heterocyclic carbenes. <i>Organic Letters</i> , 2011 , 13, 5366-9	6.2	71
10	A Highly Regio- and Stereoselective Cascade Annulation of Enals and Benzodi(enone)s Catalyzed by N-Heterocyclic Carbenes. <i>Angewandte Chemie</i> , 2011 , 123, 1950-1953	3.6	29
9	Enantioselective Stetter Reactions of Enals and Modified Chalcones Catalyzed by N-Heterocyclic Carbenes. <i>Angewandte Chemie</i> , 2011 , 123, 11986-11989	3.6	38
8	A highly regio- and stereoselective cascade annulation of enals and benzodi(enone)s catalyzed by N-heterocyclic carbenes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1910-3	16.4	83
7	Enantioselective Stetter reactions of enals and modified chalcones catalyzed by N-heterocyclic carbenes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11782-5	16.4	102
6	Efficient regio- and stereoselective formation of azocan-2-ones via 8-endo cyclization of alpha-carbamoyl radicals. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2274-83	16.4	39
5	A study on the reactions of NADH models with electron-deficient alkenes. A probe for the extreme of concerted electron-hydrogen atom transfer mechanism. <i>Tetrahedron Letters</i> , 2009 , 50, 312-315	2	9
4	9-phenyl-10-methylacridinium: a highly efficient and reusable organocatalyst for mild aromatization of 1,4-dihydropyridines by molecular oxygen. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8608-10	4.2	41
3	A novel coenzyme NADH model 1-benzyl-1,4-dihydronicotinamide-mediated reaction: a single intermediate serves two mechanisms. <i>Research on Chemical Intermediates</i> , 2006 , 32, 603-611	2.8	2
2	Organocatalyzed trifunctionalization of alkynyl 1,2-diones for the concise synthesis of acyloxy allylidene malonates and alkylidenebutenolides. <i>Green Chemistry</i> ,	10	2

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