

Yunfei Cai

List of Publications by Year in descending order

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41
papers

2,381
citations

172457

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46
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65
all docs

65
docs citations

65
times ranked

2119
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Asymmetric Bromoamination of Chalcones: Highly Efficient Synthesis of Chiral α -Bromo- β -Amino Ketone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6160-6164.	13.8	180
2	Catalytic Asymmetric Chloroamination Reaction of α,β -Unsaturated β -Keto Esters and Chalcones. <i>Journal of the American Chemical Society</i> , 2011, 133, 5636-5639.	13.7	152
3	Catalytic Ester and Amide to Amine Interconversion: Nickel-Catalyzed Decarbonylative Amination of Esters and Amides by $C=O$ and $C-C$ Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4282-4285.	13.8	148
4	A Catalytic Asymmetric Ring-Expansion Reaction of Isatins and α -Alkyl- β -Dialkylamino Esters: Highly Efficient Synthesis of Functionalized Quinolone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8644-8647.	13.8	120
5	Heterogeneous Visible-Light Photoredox Catalysis with Graphitic Carbon Nitride for α -Aminoalkyl Radical Additions, Allylations, and Heteroarylations. <i>ACS Catalysis</i> , 2018, 8, 9471-9476.	11.2	112
6	Facile and Efficient Enantioselective Strecker Reaction of Ketimines by Chiral Sodium Phosphate. <i>Chemistry - A European Journal</i> , 2009, 15, 6008-6014.	3.3	101
7	Enantioselective One-Pot Synthesis of 2-Amino-4-(indol-3-yl)-4H-chromenes. <i>Organic Letters</i> , 2011, 13, 4910-4913.	4.6	97
8	Catalytic Asymmetric Sulfenylation of Unprotected 3-Substituted Oxindoles. <i>Organic Letters</i> , 2012, 14, 2726-2729.	4.6	95
9	Highly Enantioselective Conjugate Addition of Thioglycolate to Chalcones Catalyzed by Lanthanum: Low Catalyst Loading and Remarkable Chiral Amplification. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4290-4293.	13.8	93
10	Catalytic Asymmetric [8+2] Cycloaddition: Synthesis of Cycloheptatriene-Fused Pyrrole Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5604-5607.	13.8	87
11	Asymmetric Iodoamination of Chalcones and α -Aryl- β -oxobutenones Catalyzed by a Complex Based on Scandium(III) and a N,N' -Dioxide Ligand. <i>Chemistry - A European Journal</i> , 2011, 17, 14916-14921.	3.3	82
12	Highly Enantioselective Fluorination of Unprotected 3-Substituted Oxindoles: One-Step Synthesis of BMS 204352 (MaxiPost). <i>Journal of Organic Chemistry</i> , 2012, 77, 9148-9155.	3.2	73
13	Iron-catalyzed asymmetric haloamination reactions. <i>Chemical Communications</i> , 2013, 49, 8054.	4.1	69
14	A $g-C_{3N_4}$ -based heterogeneous photocatalyst for visible light mediated aerobic benzylic $C-H$ oxygenations. <i>Green Chemistry</i> , 2019, 21, 6116-6122.	9.0	69
15	Highly enantioselective α -chlorination of cyclic β -ketoesters catalyzed by N,N' -Dioxide using NCS as the chlorine source. <i>Chemical Communications</i> , 2010, 46, 1250.	4.1	67
16	Catalytic Asymmetric Piancatelli Rearrangement: Brønsted Acid Catalyzed α -Electrocyclization for the Synthesis of Multisubstituted Cyclopentenones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14126-14130.	13.8	60
17	Asymmetric Synthesis of Spirocyclic Oxindole-Fused Tetrahydrothiophenes via N,N' -Dioxide-Nickel(II) Catalyzed Domino Reaction of 1,4-Dithiane-2,5-diol with α -Alkenyloxindoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 695-700.		49
18	Asymmetric Catalytic Halofunctionalization of α,β -Unsaturated Carbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2019, 84, 1-13.	3.2	47

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19	Catalytic asymmetric [3+2] cycloaddition of aromatic aldehydes with oxiranes by C=C bond cleavage of epoxides: highly efficient synthesis of chiral 1,3-dioxolanes. <i>Chemical Communications</i> , 2014, 50, 2161.	4.1	45
20	Asymmetric Synthesis of 2,3-Dihydroquinolin-4-one Derivatives Catalyzed by a Chiral Bisguanidium Salt. <i>Chemistry - A European Journal</i> , 2012, 18, 15922-15926.	3.3	44
21	Catalytic Asymmetric Intra- and Intermolecular Haloetherification of Enones: An Efficient Approach to (S)-Centrolobine. <i>ACS Catalysis</i> , 2016, 6, 7778-7783.	11.2	44
22	Chiral N,N-dioxide-Yb(III) complexes catalyzed enantioselective hydrophosphonylation of aldehydes. <i>Tetrahedron Letters</i> , 2010, 51, 4175-4178.	1.4	39
23	Diastereoselectively Switchable Asymmetric Haloaminocyclization for the Synthesis of Cyclic Sulfamates. <i>Chemistry - A European Journal</i> , 2015, 21, 6386-6389.	3.3	38
24	Remarkable Activity of Potassium-Modified Carbon Nitride for Heterogeneous Photocatalytic Decarboxylative Alkyl/Acyl Radical Addition and Reductive Dimerization of <i>para</i> -Quinone Methides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2367-2377.	6.7	38
25	Catalytic Ester and Amide to Amine Interconversion: Nickel-Catalyzed Decarboxylative Amination of Esters and Amides by C=O and C-C Bond Activation. <i>Angewandte Chemie</i> , 2017, 129, 4346-4349.	2.0	35
26	Highly Stereoselective Conjugate Addition and α -Alkynylation Reaction with Electron-Deficient Alkynes Catalyzed by Chiral Scandium(III) Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 8591-8596.	3.3	32
27	Highly Enantioselective Zinc-Catalyzed Friedel-Crafts Alkylation of Indoles with Ethyl Trifluoropyruvate. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3174-3178.	4.3	31
28	Enantioselective aza-Michael reaction of hydrazide to chalcones through the nonactivated amine moiety conjugated addition. <i>Chemical Communications</i> , 2011, 47, 4016.	4.1	29
29	High-frequency embryogenesis and regeneration of plants with high content of gentiopicroside from the Chinese medicinal plant <i>Gentiana straminea</i> Maxim.. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2009, 45, 730-739.	2.1	28
30	Ln(III)/Chiral Brønsted Acid Catalyzed Asymmetric Cascade Ring Opening/Aza-Piancatelli Rearrangement of α -Cyclopropanes. <i>Organic Letters</i> , 2020, 22, 9016-9021.	4.6	23
31	Semi-heterogeneous photocatalytic fluoroalkylation-distal functionalization of unactivated alkenes with $R_{SO_2}Na$ under air atmosphere. <i>Green Chemistry</i> , 2021, 23, 9577-9582.	9.0	19
32	An Intronless β -amyrin Synthase Gene is More Efficient in Oleanolic Acid Accumulation than its Paralog in <i>Gentiana straminea</i> . <i>Scientific Reports</i> , 2016, 6, 33364.	3.3	16
33	Catalytic Asymmetric Piancatelli Rearrangement: Brønsted Acid Catalyzed α -Electrocyclization for the Synthesis of Multisubstituted Cyclopentenones. <i>Angewandte Chemie</i> , 2016, 128, 14332-14336.	2.0	16
34	Catalytic Asymmetric Radical-Mediated Three-Component Piancatelli-Type Rearrangement of Furylalkenes. <i>ACS Catalysis</i> , 2021, 11, 10198-10207.	11.2	15
35	Recent Advances on Piancatelli Reactions and Related Cascade Processes. <i>Synthesis</i> , 2022, 54, 589-599.	2.3	9
36	Heterogeneous photocatalytic cyanomethylarylation of alkenes with acetonitrile: synthesis of diverse nitrogenous heterocyclic compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1171-1180.	2.2	8

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37	<i>Retro</i> -Aza-Piancatelli Rearrangement Triggered Cascade Reaction of Methyl Furylacrylates with Anilines to Access Cyclopenta[<i>b</i>]pyrrolidinones. <i>Journal of Organic Chemistry</i> , 2022, 87, 855-865.	3.2	6
38	HY5 inhibits <i>in vitro</i> shoot stem cell niches initiation via directly repressing pluripotency and cytokinin pathways. <i>Plant Journal</i> , 2022, 110, 781-801.	5.7	5
39	A triple-channel sensing array for protein discrimination based on multi-photoresponsive g-C ₃ N ₄ . <i>Mikrochimica Acta</i> , 2020, 187, 449.	5.0	4
40	Genotyping and metabolite characterization of somatic hybrids between <i>Arabidopsis thaliana</i> and <i>Swertia mussoitii</i> . <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2015, 51, 360-368.	2.1	1
41	Construction of metal (Mn, Ce, Eu)-containing species in CN nanocomposites with photo-responsive oxidase-mimicking activity for multi-antioxidant discrimination. <i>New Journal of Chemistry</i> , 2022, 46, 6670-6676.	2.8	1