Sanzhong Luo

List of Publications by Citations

155 papers	7,132 citations	49 h-index	79 g-index
164 ext. papers	8,212 ext. citations	7.4 avg, IF	6.43 L-index

#	Paper	IF	Citations
155	Organocatalysis in Inert C-H Bond Functionalization. *Chemical Reviews*, **2017**, 117, 9433-9520	68.1	403
154	Functionalized chiral ionic liquids as highly efficient asymmetric organocatalysts for Michael addition to nitroolefins. *Angewandte Chemie - International Edition*, **2006**, 45, 3093-7	16.4	400
153	A simple primary-tertiary diamine-Br□sted acid catalyst for asymmetric direct aldol reactions of linear aliphatic ketones. *Journal of the American Chemical Society*, **2007**, 129, 3074-5	16.4	242
152	Magnetic nanoparticle supported ionic liquid catalysts for CO2cycloaddition reactions. *Green Chemistry*, **2009**, 11, 455	10	214
151	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 3694-3698	16.4	163
150	Asymmetric □photoalkylation of □ketocarbonyls by primary amine catalysis: facile access to acyclic all-carbon quaternary stereocenters. *Journal of the American Chemical Society*, **2014**, 136, 14642-5	16.4	163
149	Surfactant-type asymmetric organocatalyst: organocatalytic asymmetric Michael addition to nitrostyrenes in water. *Chemical Communications*, **2006**, 3687-9	5.8	163
148	Asymmetric binary-acid catalysis with chiral phosphoric acid and MgF(2): catalytic enantioselective Friedel-Crafts reactions of beta,gamma-unsaturated alpha-ketoesters. *Organic Letters*, **2010**, 12, 1096-9	6.2	122
147	Highly enantioselective direct syn- and anti-aldol reactions of dihydroxyacetones catalyzed by chiral primary amine catalysts. *Organic Letters*, **2008**, 10, 653-6	6.2	114
146	Pushing the limits of aminocatalysis: enantioselective transformations of □branched □ketocarbonyls and vinyl ketones by chiral primary amines. *Accounts of Chemical Research*, **2015**, 48, 986-97	24.3	113
145	Catalytic enantioselective tert-aminocyclization by asymmetric binary acid catalysis (ABC): stereospecific 1,5-hydrogen transfer. *Chemistry - A European Journal*, **2012**, 18, 8891-5	4.8	111
144	Asymmetric bifunctional primary aminocatalysis on magnetic nanoparticles. *Chemical Communications*, **2008**, 5719-21	5.8	111
143	Catalytic Asymmetric Electrochemical Oxidative Coupling of Tertiary Amines with Simple Ketones. *Organic Letters*, **2017**, 19, 2122-2125	6.2	109
142	Physical organic study of structure-activity-enantioselectivity relationships in asymmetric bifunctional thiourea catalysis: hints for the design of new organocatalysts. *Chemistry - A European Journal*, **2010**, 16, 450-5	4.8	109
141	Asymmetric Michael Addition Reaction of 3-Substituted Oxindoles to Nitroolefins Catalyzed by a Chiral Alkyl- Substituted Thiourea Catalyst. *Advanced Synthesis and Catalysis*, **2010**, 352, 416-424	5.6	106
140	Evolution of pyrrolidine-type asymmetric organocatalysts by "click" chemistry. *Journal of Organic Chemistry*, **2006**, 71, 9244-7	4.2	106
139	Visible-light promoted catalyst-free imidation of arenes and heteroarenes. *Chemistry - A European Journal*, **2014**, 20, 14231-4	4.8	105

138	Functionalized chiral ionic liquid catalyzed enantioselective desymmetrizations of prochiral ketones via asymmetric Michael addition reaction. *Journal of Organic Chemistry*, **2007**, 72, 9350-2	4.2	103
137	Noncovalently supported heterogeneous chiral amine catalysts for asymmetric direct aldol and Michael addition reactions. *Chemistry - A European Journal*, **2008**, 14, 1273-81	4.8	101
136	Remarkable rate acceleration of imidazole-promoted Baylis-Hillman reaction involving cyclic enones in basic water solution. *Journal of Organic Chemistry*, **2004**, 69, 555-8	4.2	98
135	Merging aerobic oxidation and enamine catalysis in the asymmetric □amination of □ketocarbonyls using N-hydroxycarbamates as nitrogen sources. *Angewandte Chemie - International Edition*, **2014**, 53, 4149-53	16.4	93
134	Catalytic asymmetric □C(sp3)□H functionalization of amines. *Tetrahedron Letters*, **2014**, 55, 551-558	2	92
133	Asymmetric binary acid catalysis: a regioselectivity switch between enantioselective 1,2- and 1,4-addition through different counteranions of In(III). *Angewandte Chemie - International Edition*, **2011**, 50, 6610-4	16.4	89
132	Magnetic Nanoparticle-Supported Morita□Baylis□Hillman Catalysts. *Advanced Synthesis and Catalysis*, **2007**, 349, 2431-2434	5.6	89
131	Functionalized Chiral Ionic Liquids as Highly Efficient Asymmetric Organocatalysts for Michael Addition to Nitroolefins. *Angewandte Chemie*, **2006**, 118, 3165-3169	3.6	89
130	Asymmetric direct aldol reactions of pyruvic derivatives. *Organic Letters*, **2008**, 10, 1775-8	6.2	87
129	Asymmetric supramolecular primary amine catalysis in aqueous buffer: connections of selective recognition and asymmetric catalysis. *Journal of the American Chemical Society*, **2010**, 132, 7216-28	16.4	86
128	Asymmetric binary acid catalysis: chiral phosphoric acid as dual ligand and acid. *Chemical Communications*, **2013**, 49, 847-58	5.8	85
127	Chiral amine-polyoxometalate hybrids as highly efficient and recoverable asymmetric enamine catalysts. *Organic Letters*, **2007**, 9, 3675-8	6.2	85
126	Chiral Primary Amine/Palladium Dual Catalysis for Asymmetric Allylic Alkylation of □Ketocarbonyl Compounds with Allylic Alcohols. *Angewandte Chemie - International Edition*, **2015**, 54, 12645-8	16.4	83
125	Functionalized chiral ionic liquids: a new type of asymmetric organocatalysts and nonclassical chiral ligands. *Chemistry - an Asian Journal*, **2009**, 4, 1184-95	4.5	83
124	Asymmetric SN1 alpha-alkylation of cyclic ketones catalyzed by functionalized chiral ionic liquid (FCIL) organocatalysts. *Chemistry - A European Journal*, **2010**, 16, 2045-9	4.8	83
123	Facile evolution of asymmetric organocatalysts in water assisted by surfactant Br□sted acids. *Tetrahedron*, **2007**, 63, 11307-11314	2.4	72
122	Efficient Baylis-Hillman reactions of cyclic enones in methanol as catalyzed by methoxide anion. *Journal of Organic Chemistry*, **2004**, 69, 8413-22	4.2	71
121	Enantioselective Terminal Addition to Allenes by Dual Chiral Primary Amine/Palladium Catalysis. *Journal of the American Chemical Society*, **2017**, 139, 3631-3634	16.4	70

120	[4 + 2] cycloaddition of in situ generated 1,2-diaza-1,3-dienes with simple olefins: facile approaches to tetrahydropyridazines. *Organic Letters*, **2015**, 17, 1561-4	6.2	68
119	Asymmetric conjugate addition of oxindoles to 2-chloroacrylonitrile: a highly effective organocatalytic strategy for simultaneous construction of 1,3-nonadjacent stereocenters leading to chiral pyrroloindolines. *Chemistry - A European Journal*, **2010**, 16, 14290-4	4.8	68
118	Bioinspired organocatalytic aerobic C-H oxidation of amines with an ortho-quinone catalyst. *Organic Letters*, **2015**, 17, 1469-72	6.2	66
117	Chiral primary amine catalyzed enantioselective protonation via an enamine intermediate. *Angewandte Chemie - International Edition*, **2011**, 50, 11451-5	16.4	65
116	Switchable diastereoselectivity in enantioselective [4+2] cycloadditions with simple olefins by asymmetric binary acid catalysis. *Angewandte Chemie - International Edition*, **2013**, 52, 9786-90	16.4	61
115	Oxidative Synthesis of Benzimidazoles, Quinoxalines, and Benzoxazoles from Primary Amines by ortho-Quinone Catalysis. *Organic Letters*, **2017**, 19, 5629-5632	6.2	60
114	Asymmetric Electrochemical Catalysis. *Chemistry - A European Journal*, **2019**, 25, 10033-10044	4.8	60
113	Asymmetric Retro-Claisen Reaction by Chiral Primary Amine Catalysis. *Journal of the American Chemical Society*, **2016**, 138, 3978-81	16.4	60
112	Asymmetric retro- and transfer-aldol reactions catalyzed by a simple chiral primary amine. *Chemistry - A European Journal*, **2010**, 16, 4457-61	4.8	59
111	Asymmetric binary-acid catalysis with InBr3 in the inverse-electron-demanding hetero-Diels-Alder reaction of mono- and bis-substituted cyclopentadienes: remote fluoro-effect on stereocontrol. *Chemistry - A European Journal*, **2012**, 18, 799-803	4.8	54
110	Theoretical studies of the asymmetric binary-acid-catalyzed tert-aminocyclization reaction: origins of the C(sp 3)-H activation and stereoselectivity. *Chemistry - an Asian Journal*, **2012**, 7, 2569-76	4.5	54
109	Asymmetric Latent Carbocation Catalysis with Chiral Trityl Phosphate. *Journal of the American Chemical Society*, **2015**, 137, 15576-83	16.4	53
108	Non-covalent immobilization of asymmetric organocatalysts. *Catalysis Science and Technology*, **2011** , 1, 507	5.5	53
107	Synergistic Pd/enamine catalysis: a strategy for the C-H/C-H oxidative coupling of allylarenes with unactivated ketones. *Organic Letters*, **2014**, 16, 3584-7	6.2	52
106	Highly Enantioselective Michael Addition Reactions of 3-Substituted Benzofuran-2(3H)-ones to Chalcones Catalyzed by a Chiral Alkyl-Substituted Thiourea. *Advanced Synthesis and Catalysis*, **2010**, 352, 1097-1101	5.6	48
105	Reagent-controlled enantioselectivity switch for the asymmetric fluorination of β-ketocarbonyls by chiral primary amine catalysis. *Chemical Science*, **2017**, 8, 621-626	9.4	47
104	Dynamic multiphase semi-crystalline polymers based on thermally reversible pyrazole-urea bonds. *Nature Communications*, **2019**, 10, 4753	17.4	44
103	Organocatalytic Three-Component Reactions of Pyruvate, Aldehyde and Aniline by Hydrogen-Bonding Catalysts. *European Journal of Organic Chemistry*, **2008**, 2008, 4350-4356	3.2	44

102	Chiral Primary Amine Catalyzed Asymmetric Direct Cross-Aldol Reaction of Acetaldehyde. *European Journal of Organic Chemistry*, **2011**, 2011, 3347-3352	3.2	43
101	Catalytic Asymmetric Oxidative Enamine Transformations. *ACS Catalysis*, **2018**, 8, 5466-5484	13.1	42
100	Enantioselective Decarboxylative α-Alkynylation of α-Ketocarbonyls via a Catalytic α-mino Radical Intermediate. *Organic Letters*, **2017**, 19, 4924-4927	6.2	40
99	Visible-Light-Promoted Asymmetric Cross-Dehydrogenative Coupling of Tertiary Amines to Ketones by Synergistic Multiple Catalysis. *Angewandte Chemie*, **2017**, 129, 3748-3752	3.6	39
98	Asymmetric enamine catalysis with α-ketoesters by chiral primary amine: divergent stereocontrol modes. *Journal of Organic Chemistry*, **2014**, 79, 11517-26	4.2	39
97	In(III)/PhCO2H binary acid catalyzed tandem [2 + 2] cycloaddition and Nazarov reaction between alkynes and acetals. *Organic Letters*, **2013**, 15, 4496-9	6.2	38
96	Chiral Primary Amine–Polyoxometalate Acid Hybrids as Asymmetric Recoverable Iminium-Based Catalysts. *European Journal of Organic Chemistry*, **2009**, 2009, 4486-4493	3.2	38
95	Asymmetric sulfa-Michael addition to α-substituted vinyl ketones catalyzed by chiral primary amine. *Organic Letters*, **2014**, 16, 4626-9	6.2	36
94	Asymmetric α-benzoyloxylation of α-ketocarbonyls by a chiral primary amine catalyst. *Organic Letters*, **2015**, 17, 576-9	6.2	36
93	Bio-inspired Chiral Primary Amine Catalysis. *Synlett*, **2012**, 23, 1575-1589	2.2	36
92	A chiral ion-pair photoredox organocatalyst: enantioselective anti-Markovnikov hydroetherification of alkenols. *Organic Chemistry Frontiers*, **2017**, 4, 1037-1041	5.2	35
91	Asymmetric Binary Acid Catalysis: A Regioselectivity Switch between Enantioselective 1,2- and 1,4-Addition through Different Counteranions of InIII. *Angewandte Chemie*, **2011**, 123, 6740-6744	3.6	35
90	Redox tuning of a direct asymmetric aldol reaction. *Angewandte Chemie - International Edition*, **2015**, 54, 5210-3	16.4	34
89	Chiral Primary Amine/Palladium Dual Catalysis for Asymmetric Allylic Alkylation of α-Ketocarbonyl Compounds with Allylic Alcohols. *Angewandte Chemie*, **2015**, 127, 12836-12839	3.6	33
88	Catalytic Asymmetric Mannich Reaction with N-Carbamoyl Imine Surrogates of Formaldehyde and Glyoxylate. *Angewandte Chemie - International Edition*, **2017**, 56, 13814-13818	16.4	32
87	Holistic Prediction of the pK in Diverse Solvents Based on a Machine-Learning Approach. *Angewandte Chemie - International Edition*, **2020**, 59, 19282-19291	16.4	32
86	Photoredox Mediated Acceptorless Dehydrogenative Coupling of Saturated N-Heterocycles. *ACS Catalysis*, **2019**, 9, 3589-3594	13.1	31
85	Catalytic Nazarov reaction of aryl vinyl ketones via binary acid strategy. *Journal of Organic Chemistry*, **2013**, 78, 606-13	4.2	31

84	Asymmetric direct aldol reactions of acetoacetals catalyzed by a simple chiral primary amine. *Journal of Organic Chemistry*, **2009**, 74, 9521-3	4.2	31
83	Visible-light promoted arene C–H/C–X lactonization via carboxylic radical aromatic substitution. *Organic Chemistry Frontiers*, **2018**, 5, 237-241	5.2	30
82	Functionalized Chiral Ionic Liquid Catalyzed Asymmetric SN1 α-Alkylation of Ketones and Aldehydes. *European Journal of Organic Chemistry*, **2010**, 2010, 4876-4885	3.2	30
81	Merging Aerobic Oxidation and Enamine Catalysis in the Asymmetric α-Amination of β-Ketocarbonyls Using N-Hydroxycarbamates as Nitrogen Sources. *Angewandte Chemie*, **2014**, 126, 4233-4237	3.6	29
80	β-Coordinating Chiral Primary Amine/Palladium Synergistic Catalysis for Asymmetric Allylic Alkylation. *Journal of the American Chemical Society*, **2020**, 142, 3184-3195	16.4	28
79	Electrochemical Generation of Diaza-oxyallyl Cation for Cycloaddition in an All-Green Electrolytic System. *Organic Letters*, **2018**, 20, 1324-1327	6.2	27
78	Chiral primary-amine-catalyzed conjugate addition to β-substituted vinyl ketones/aldehydes: divergent stereocontrol modes on enamine protonation. *Chemistry - A European Journal*, **2013**, 19, 15669-81	4.8	27
77	Chiral Primary Amine Catalyzed Asymmetric Epoxidation of β-Substituted Acroleins. *European Journal of Organic Chemistry*, **2010**, 2010, 6840-6849	3.2	27
76	Chiral primary amine catalysed asymmetric conjugate addition of azoles to β-substituted vinyl ketones. *Organic Chemistry Frontiers*, **2014**, 1, 68-72	5.2	26
75	Catalytic Desymmetrizing Dehydrogenation of 4-Substituted Cyclohexanones through Enamine Oxidation. *Angewandte Chemie - International Edition*, **2018**, 57, 2253-2258	16.4	25
74	Oxidative Radical Addition-Cyclization of Sulfonyl Hydrazones with Simple Olefins by Binary Acid Catalysis. *Organic Letters*, **2016**, 18, 3150-3	6.2	25
73	Origins of the enantio- and N/O selectivity in the primary-amine-catalyzed hydroxyamination of 1,3-dicarbonyl compounds with in-situ-formed nitrosocarbonyl compounds: a theoretical study. *Chemistry - an Asian Journal*, **2014**, 9, 3565-71	4.5	25
72	Catalytic Regio- and Enantioselective [4+2] Annulation Reactions of Non-activated Allenes by a Chiral Cationic Indium Complex. *Angewandte Chemie - International Edition*, **2017**, 56, 10867-10871	16.4	24
71	Catalytic Asymmetric Electrochemical α-Arylation of Cyclic β-Ketocarbonyls with Anodic Benzyne Intermediates. *Angewandte Chemie - International Edition*, **2020**, 59, 14347-14351	16.4	23
70	Direct intramolecular conjugate addition of simple alkenes to β,γ-unsaturated carbonyls catalyzed by Cu(OTf)2. *Organic Letters*, **2014**, 16, 5032-5	6.2	23
69	Chiral Primary Amine Catalyzed Asymmetric α-Benzylation with In Situ Generated ortho-Quinone Methides. *Chemistry - A European Journal*, **2017**, 23, 1253-1257	4.8	22
68	Organocatalytic Electrochemical C–H Lactonization of Aromatic Carboxylic Acids. *Synthesis*, **2018**, 50, 2924-2929	2.9	22
67	A Practical Protocol for Asymmetric Synthesis of Wieland-Miescher and Hajos-Parrish Ketones Catalyzed by a Simple Chiral Primary Amine. *Synthesis*, **2013**, 45, 1939-1945	2.9	22

66	Carbocation Lewis Acid Catalyzed Diels-Alder Reactions of Anthracene Derivatives. *Organic Letters*, **2018**, 20, 2269-2272	6.2	21
65	Enantio- and Diastereoselective Cyclopropanation of Unsaturated Ketoester by a Chiral Phosphate/Indium(III) Complex. *Organic Letters*, **2017**, 19, 3331-3334	6.2	20
64	Organic Photocatalytic Cyclization of Polyenes: A Visible-Light-Mediated Radical Cascade Approach. *Chemistry - A European Journal*, **2015**, 21, 14723-7	4.8	20
63	Taming living carbocations in catalytic direct conjugate addition of simple alkenes to enones. *Chemistry - A European Journal*, **2014**, 20, 8293-6	4.8	20
62	Chiral primary amine catalyzed asymmetric Michael addition of malononitrile to substituted vinyl ketone. *Organic Letters*, **2015**, 17, 382-5	6.2	20
61	Mechanistic Studies on Bioinspired Aerobic C-H Oxidation of Amines with an ortho-Quinone Catalyst. *Journal of Organic Chemistry*, **2019**, 84, 2542-2555	4.2	19
60	Visible-light promoted intermolecular halofunctionalization of alkenes with N-halogen saccharins. *Organic Chemistry Frontiers*, **2016**, 3, 447-452	5.2	19
59	Asymmetric Binary-Acid Catalysis in the Inverse-Electron-Demanding Hetero-Diels-Alder Reaction of 3,4-Dihydro-2H-Pyran. *Acta Chimica Sinica*, **2012**, 70, 1518	3.3	19
58	Bio-inspired quinone catalysis. *Chinese Chemical Letters*, **2018**, 29, 1193-1200	8.1	17
57	Chiral Primary Amine Catalyzed Enantioselective Protonation via an Enamine Intermediate. *Angewandte Chemie*, **2011**, 123, 11653-11657	3.6	17
56	Photo-induced Catalytic Asymmetric Free Radical Reactions. *Acta Chimica Sinica*, **2017**, 75, 22	3.3	17
55	Redox Property of Enamines. *Journal of Organic Chemistry*, **2019**, 84, 12071-12090	4.2	16
54	Primary-tertiary diamine/Brønsted acid catalyzed C-C coupling between para-vinylanilines and aldehydes. *Chemistry - A European Journal*, **2013**, 19, 9481-4	4.8	16
53	Asymmetric Fluorination of Branched Aldehydes by Chiral Primary Amine Catalysis: Reagent-Controlled Enantioselectivity Switch. *Journal of Organic Chemistry*, **2018**, 83, 4250-4256	4.2	15
52	Catalytic enantioselective sulfenylation of ketocarbonyls by chiral primary amines. *Organic Chemistry Frontiers*, **2018**, 5, 2313-2316	5.2	15
51	Catalytic Asymmetric Oxidative C-H N,O-Ketalization of Ketones by Chiral Primary Amine. *Organic Letters*, **2015**, 17, 4392-5	6.2	15
50	Switchable Diastereoselectivity in Enantioselective [4+2] Cycloadditions with Simple Olefins by Asymmetric Binary Acid Catalysis. *Angewandte Chemie*, **2013**, 125, 9968-9972	3.6	15
49	Catalytic Asymmetric Mannich Type Reaction with Tri-/Difluoro- or Trichloroacetaldimine Precursors. *Organic Letters*, **2018**, 20, 7137-7140	6.2	14

48	Catalytic asymmetric enamine protonation reaction. *Organic and Biomolecular Chemistry*, **2018**, 16, 510-520	3.9	13
47	Enantioselective Organocatalytic Conjugate Addition of Alkenes to β,γ-Enones. *European Journal of Organic Chemistry*, **2014**, 2014, 3540-3545	3.2	13
46	Catalytic Asymmetric α-C-H Functionalizations of Ketones via Enamine Oxidation. *Organic Letters*, **2018**, 20, 1672-1675	6.2	11
45	Counteranions of In(III) Induced Reversal of Enantiocontrol in Friedel-Crafts Reaction of Indoles by Asymmetric Binary Acid Catalysis. *Acta Chimica Sinica*, **2014**, 72, 809	3.3	11
44	Enantioselective Diels-Alder reaction of anthracene by chiral tritylium catalysis. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 1304-1312	2.5	10
43	Carbocation Lewis Acid Catalyzed Redox-Neutral α-C(sp3)H Arylation of Amines. *Acta Chimica Sinica* , **2016**, 74, 61	3.3	10
42	Aromatic Aminocatalysis. *Chemistry - an Asian Journal*, **2018**, 13, 740-753	4.5	9
41	Visible Light Promoted α-CH Alkylation of β-Ketocarbonyls via a β-Enaminyl Radical Intermediate. *Chinese Journal of Chemistry*, **2018**, 36, 311-320	4.9	9
40	Asymmetric α-Alkylation of β-Ketocarbonyls via Direct Phenacyl Bromide Photolysis by Chiral Primary Amine. *Chinese Journal of Chemistry*, **2018**, 36, 716-722	4.9	9
39	Holistic Prediction of the pKa in Diverse Solvents Based on a Machine-Learning Approach. *Angewandte Chemie*, **2020**, 132, 19444-19453	3.6	9
38	Chiral Primary Amine/Ketone Cooperative Catalysis for Asymmetric α-Hydroxylation with Hydrogen Peroxide. *Journal of the American Chemical Society*, **2021**, 143, 1078-1087	16.4	9
37	Divergent Coupling of β,γ-Unsaturated α-Ketoesters with Simple Olefins: Vinylation and [2 + 2] Cycloaddition. *Organic Letters*, **2017**, 19, 3366-3369	6.2	8
36	Enantioselective Oxidative Coupling of β-Ketocarbonyls and Anilines by Joint Chiral Primary Amine and Selenium Catalysis. *Organic Letters*, **2019**, 21, 8178-8182	6.2	8
35	Chiral Primary Amine Catalyzed Asymmetric Tandem Reduction–Michael Addition–Protonation Reaction between Alkylidene Meldrum's Acid and β-Substituted Vinyl Ketones. *Synthesis*, **2015**, 47, 2207-2216	2.9	8
34	Enantioselective indium(I)-catalyzed [4 + 2] annulation of alkoxyallenes and β,γ-unsaturated α-keto esters. *Organic Chemistry Frontiers*, **2018**, 5, 1787-1791	5.2	8
33	Redox Tuning of a Direct Asymmetric Aldol Reaction. *Angewandte Chemie*, **2015**, 127, 5299-5302	3.6	8
32	Chiral Amine–Polyoxometalate Hybrids as Recoverable Asymmetric Enamine Catalysts under Neat and Aqueous Conditions. *European Journal of Organic Chemistry*, **2008**, 2009, 132-140	3.2	8
31	Indoline Catalyzed Acylhydrazone/Oxime Condensation under Neutral Aqueous Conditions. *Organic Letters*, **2020**, 22, 6035-6040	6.2	8

30	Steric Effect of Protonated Tertiary Amine in Primary-Tertiary Diamine Catalysis: A Double-Layered Sterimol Model. *Organic Letters*, **2019**, 21, 407-411	6.2	8
29	Tailoring radicals by asymmetric electrochemical catalysis. *Organic Chemistry Frontiers*, **2020**, 7, 2997-3000	5.2	7
28	Catalytic Asymmetric Disulfuration by a Chiral Bulky Three-Component Lewis Acid-Base. *Angewandte Chemie - International Edition*, **2021**, 60, 10971-10976	16.4	7
27	Deracemization through photochemical / isomerization of enamines.. *Science*, **2022**, 375, 869-874	33.3	7
26	Catalytic Asymmetric Mannich Reaction with N-Carbamoyl Imine Surrogates of Formaldehyde and Glyoxylate. *Angewandte Chemie*, **2017**, 129, 14002-14006	3.6	6
25	Asymmetric Retro-Claisen Reaction by Synergistic Chiral Primary Amine/Palladium Catalysis. *Organic Letters*, **2019**, 21, 7258-7261	6.2	6
24	Catalytic Desymmetrizing Dehydrogenation of 4-Substituted Cyclohexanones through Enamine Oxidation. *Angewandte Chemie*, **2018**, 130, 2275-2280	3.6	6
23	Copper-catalyzed aerobic autoxidation of N-hydroxycarbamates probed by mass spectrometry. *Chemistry - A European Journal*, **2015**, 21, 14630-7	4.8	6
22	Collective enantioselective total synthesis of (+)-sinensilactam A, (+)-lingzhilactone B and (-)-lingzhiol: divergent reactivity of styrene. *Chemical Communications*, **2020**, 56, 10066-10069	5.8	5
21	Supported Asymmetric Organocatalysis **2012**, 99-135		4
20	Aniline Catalysis in Bioconjugations and Material Synthesis. *Chinese Journal of Organic Chemistry*, **2018**, 38, 1	3	4
19	Application of Machine Learning in Organic Chemistry. *Chinese Journal of Organic Chemistry*, **2020**, 40, 3812	3	4
18	Chiral Primary Amine-Catalyzed Divergent Coupling of β-Substituted Acrylaldehydes with β-Diazoesters. *ACS Catalysis*, **2020**, 10, 10989-10998	13.1	4
17	Asymmetric 1,3-Dipolar Cycloaddition Reactions of Enones by Primary Amine Catalysis. *Asian Journal of Organic Chemistry*, **2019**, 8, 1049-1052	3	3
16	An Ensemble Structure and Physiochemical (SPOC) Descriptor for Machine-Learning Prediction of Chemical Reaction and Molecular Properties.. *ChemPhysChem*, **2022**, e202200255	3.2	3
15	Catalytic Regio- and Enantioselective [4+2] Annulation Reactions of Non-activated Allenes by a Chiral Cationic Indium Complex. *Angewandte Chemie*, **2017**, 129, 11007-11011	3.6	2
14	Bifunctional catalysis of Morita-Baylis-Hillman (MBH) reaction with chiral primary-tertiary diamine: A non-typical MBH catalytic pathway. *Science in China Series B: Chemistry*, **2009**, 52, 1300-1308		2
13	Chiral pyrrolidine-azole conjugates: Simple and efficient asymmetric organocatalysts for Michael addition to nitrostyrenes. *Science Bulletin*, **2010**, 55, 1735-1741		2

12	Bio-inspired lanthanum-ortho-quinone catalysis for aerobic alcohol oxidation: semi-quinone anionic radical as redox ligand.. *Nature Communications*, **2022**, 13, 428	17.4	2
11	Rational Design of Chiral Catalysts Based on Experimental Data and Reaction Mechanism. *Chinese Journal of Organic Chemistry*, **2018**, 38, 2363	3	2
10	Catalytic Asymmetric Disulfuration by a Chiral Bulky Three-Component Lewis Acid-Base. *Angewandte Chemie*, **2021**, 133, 11066-11071	3.6	2
9	Catalytic Asymmetric Addition and Telomerization of Butadiene with Enamine Intermediates. *CCS Chemistry*,2622-2630	7.2	2
8	Catalytic Asymmetric Electrochemical Arylation of Cyclic Ketocarbonyls with Anodic Benzyne Intermediates. *Angewandte Chemie*, **2020**, 132, 14453-14457	3.6	1
7	Primary-Tertiary Diamine/Br?nsted Acid Catalyzed Allylation of Carbonyl Compounds with Allylic Alcohols. *Chinese Journal of Chemistry*, **2014**, 32, 673-677	4.9	1
6	Asymmetric Coupling of Ketocarbonyls and Alkynes by Chiral Primary Amine/Rh Synergistic Catalysis.. *Organic Letters*, **2022**,	6.2	1
5	Photoredox-Mediated Asymmetric Cross-Dehydrogenative Coupling of Enones and Tertiary Amines by Chiral Primary Amine Catalysis. *Synthesis*, **2021**, 53, 2809-2818	2.9	1
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3	Bond Energies of Enamines.. *ACS Omega*, **2022**, 7, 6354-6374	3.9	0
2	Practical Asymmetric Organocatalysis **2018**, 185-217		
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