Saihu Liao

List of Publications by Citations

54 papers	2,169 citations	23 h-index	46 g-index
84 ext. papers	2,698 ext. citations	8.8 avg, IF	5.32 L-index

#	Paper	IF	Citations
54	Copper-catalyzed highly enantioselective cyclopentannulation of indoles with donor-acceptor cyclopropanes. *Journal of the American Chemical Society*, **2013**, 135, 7851-4	16.4	296
53	Activation of H2O2 by chiral confined Brønsted acids: a highly enantioselective catalytic sulfoxidation. *Journal of the American Chemical Society*, **2012**, 134, 10765-8	16.4	164
52	Side arm strategy for catalyst design: modifying bisoxazolines for remote control of enantioselection and related. *Accounts of Chemical Research*, **2014**, 47, 2260-72	24.3	162
51	Asymmetric Annulation of Donor-Acceptor Cyclopropanes with Dienes. *Journal of the American Chemical Society*, **2015**, 137, 8006-9	16.4	160
50	Highly enantioselective [3+3] cycloaddition of aromatic azomethine imines with cyclopropanes directed by π-stacking interactions. *Angewandte Chemie - International Edition*, **2013**, 52, 1452-6	16.4	157
49	Asymmetric counteranion-directed transition-metal catalysis: enantioselective epoxidation of alkenes with manganese(III) salen phosphate complexes. *Angewandte Chemie - International Edition*, **2010**, 49, 628-31	16.4	153
48	Highly enantioselective [3+2] annulation of cyclic enol silyl ethers with donor-acceptor cyclopropanes: accessing 3a-hydroxy [n.3.0]carbobicycles. *Angewandte Chemie - International Edition*, **2013**, 52, 4004-7	16.4	117
47	A highly efficient and enantioselective intramolecular Cannizzaro reaction under TOX/Cu(II) catalysis. *Journal of the American Chemical Society*, **2013**, 135, 16849-52	16.4	71
46	Highly diastereo- and enantioselective cyclopropanation of 1,2-disubstituted alkenes. *Angewandte Chemie - International Edition*, **2012**, 51, 8838-41	16.4	67
45	Asymmetrische Gegenanion-vermittelte Übergangsmetallkatalyse: enantioselektive Epoxidierung von Alkenen mit Mangan(III)-Salen-Phosphatkomplexen. *Angewandte Chemie*, **2010**, 122, 638-641	3.6	50
44	Visible-Light-Induced Deaminative Thioesterification of Amino Acid Derived Katritzky Salts via Electron Donor-Acceptor Complex Formation. *Organic Letters*, **2019**, 21, 8673-8678	6.2	48
43	Highly Enantioselective [3+2] Annulation of Cyclic Enol Silyl Ethers with Donor–Acceptor Cyclopropanes: Accessing 3a-Hydroxy [n.3.0]Carbobicycles. *Angewandte Chemie*, **2013**, 125, 4096-4099	3.6	46
42	Asymmetric Counteranion-Directed Iron Catalysis: A Highly Enantioselective Sulfoxidation. *Advanced Synthesis and Catalysis*, **2012**, 354, 2363-2367	5.6	45
41	Stereochemical Communication within a Chiral Ion Pair Catalyst. *Angewandte Chemie - International Edition*, **2015**, 54, 8841-5	16.4	42
40	A rapid access to aliphatic sulfonyl fluorides. *Nature Communications*, **2019**, 10, 3752	17.4	40
39	Photoexcited perylene diimide radical anions for the reduction of aryl halides: a bay-substituent effect. *Organic Chemistry Frontiers*, **2018**, 5, 2296-2302	5.2	40
38	The Activation of Carboxylic Acids via Self-Assembly Asymmetric Organocatalysis: A Combined Experimental and Computational Investigation. *Journal of the American Chemical Society*, **2016**, 138, 14740-14749	16.4	36

37	Catalytic Enantioselective Conversion of Epoxides to Thiiranes. *Journal of the American Chemical Society*, **2016**, 138, 5230-3	16.4	35
36	Tris(oxazoline)/copper-catalyzed coupling of alkynes with nitrones: a highly enantioselective access to □lactams. *Tetrahedron*, **2012**, 68, 5042-5045	2.4	34
35	Asymmetric 1,2-perfluoroalkyl migration: easy access to enantioenriched □hydroxy-□perfluoroalkyl esters. *Journal of the American Chemical Society*, **2015**, 137, 4626-9	16.4	33
34	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. *Angewandte Chemie - International Edition*, **2021**, 60, 3956-3960	16.4	25
33	Metal-Free Cationic Polymerization of Vinyl Ethers with Strict Temporal Control by Employing an Organophotocatalyst. *Journal of the American Chemical Society*, **2021**, 143, 6357-6362	16.4	23
32	Metal-free atom transfer radical polymerization with ppm catalyst loading under sunlight. *Nature Communications*, **2021**, 12, 429	17.4	23
31	Reaction of trisubstituted alkenes with iron porphyrin carbenes: facile synthesis of tetrasubstituted dienes and cyclopentadienes. *Chemical Communications*, **2013**, 49, 7436-8	5.8	20
30	Ylide hydrolysis in tandem reactions: a highly Z/E-selective access to 3-alkylidene dihydrobenzofurans and related analogues. *Organic Letters*, **2013**, 15, 3054-7	6.2	19
29	Facile and controllable synthesis of multiply substituted benzenes via a formal [3+3] cycloaddition approach. *Tetrahedron*, **2013**, 69, 284-292	2.4	19
28	Reactions of iron carbenes with □unsaturated esters by using an Umpolung approach: mechanism and applications. *Chemistry - A European Journal*, **2013**, 19, 6766-73	4.8	18
27	Pyrrolidine as an efficient organocatalyst for direct aldol reaction of trifluoroacetaldehyde ethyl hemiacetal with ketones. *Tetrahedron*, **2007**, 63, 4636-4641	2.4	17
26	Decarboxylative Thiolation of Redox-Active Esters to Thioesters by Merging Photoredox and Copper Catalysis. *Organic Letters*, **2020**, 22, 3692-3696	6.2	16
25	A sidearm-assisted phosphine for catalytic ylide intramolecular cyclopropanation. *Organic Chemistry Frontiers*, **2014**, 1, 1035-1039	5.2	16
24	Recent Advances in Palladium-Catalyzed Bridging C□H Activation by Using Alkenes, Alkynes or Diazo Compounds as Bridging Reagents. *Synthesis*, **2021**, 53, 238-254	2.9	15
23	Stereochemische Kommunikation innerhalb eines chiralen Ionenpaares. *Angewandte Chemie*, **2015**, 127, 8967-8971	3.6	12
22	PPh3-mediated intramolecular conjugation of alkyl halides with electron-deficient olefins: facile synthesis of chromans and relevant analogues. *Chemical Communications*, **2013**, 49, 4570-2	5.8	12
21	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloro-Fluorosulfonylation of Alkynes. *Angewandte Chemie - International Edition*, **2021**, 60, 22035-22042	16.4	11
20	Iron-catalyzed three-component reaction: multiple C-C bond cleavages and reorganizations. *Organic Letters*, **2013**, 15, 3606-9	6.2	10

19	Decarboxylative thiolation of redox-active esters to free thiols and further diversification. *Nature Communications*, **2020**, 11, 5340	17.4	9
18	BINOLs as visible light photocatalysts for metal-free atom transfer radical polymerization. *Polymer Chemistry*, **2019**, 10, 6662-6668	4.9	9
17	Accessing alkyl boronic esters via visible light-mediated decarboxylative addition reactions of redox-active esters. *Organic Chemistry Frontiers*, **2020**, 7, 2003-2007	5.2	8
16	Double □alkylation of allylic phosphorus ylides: a unique access to oxa-bicyclic[3.3.0] diene skeletons. *Chemical Communications*, **2014**, 50, 808-10	5.8	8
15	An efficient and mild route to highly fluorinated polyolefins via copolymerization of ethylene and 5-perfluoroalkylnorbornenes. *Polymer Chemistry*, **2019**, 10, 3604-3609	4.9	7
14	A Synthesis of Multifunctionalized Indoles from [3 + 2] Annulation of 2-Bromocyclopropenes with Anilines. *Organic Letters*, **2019**, 21, 4097-4100	6.2	7
13	Imidodiphosphorimidate (IDPi) as an efficient organocatalyst for controlled/living ring-opening polymerization of lactones. *European Polymer Journal*, **2020**, 123, 109449	5.2	7
12	Metal-free dehydrosulfurization of thioamides to nitriles under visible light. *Chemical Communications*, **2020**, 56, 5151-5153	5.8	6
11	Visible light-mediated ring-opening polymerization of lactones based on the excited state acidity of ESPT molecules. *Polymer Chemistry*, **2020**, 11, 3709-3715	4.9	6
10	Organocatalytic PET-RAFT polymerization with a low ppm of organic photocatalyst under visible light. *Polymer Chemistry*, **2022**, 13, 209-219	4.9	5
9	Visible light-regulated organocatalytic ring-opening polymerization of lactones by harnessing excited state acidity. *Polymer Chemistry*, **2021**, 12, 885-892	4.9	5
8	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. *Angewandte Chemie*, **2021**, 133, 4002-4006	3.6	4
7	Organocatalytic, Stereoselective, Cationic Reversible Addition-Fragmentation Chain-Transfer Polymerization of Vinyl Ethers.. *Journal of the American Chemical Society*, **2021**,	16.4	4
6	Organocatalytic stereoselective cationic polymerization of vinyl ethers by employing a confined br□sted acid as the catalyst. *Science China Chemistry*, **2022**, 65, 304	7.9	3
5	Photocatalytic divergent decarboxylative amination: a metal-free access to aliphatic amines and hydrazines. *Science China Chemistry*, **2021**, 64, 1756	7.9	3
4	Divergent isoindolinone synthesis through palladium-catalyzed isocyanide bridging C□H activation. *Cell Reports Physical Science*, **2022**, 3, 100776	6.1	3
3	Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides. *Synthesis*, **2019**, 51, 4645-4649	2.9	1
2	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloro-Fluorosulfonylation of Alkynes. *Angewandte Chemie*, **2021**, 133, 22206-22213	3.6	0

List of Publications

1	Visible Light-Regulated Organocatalytic Ring-Opening Polymerization of Lactones Using Hydroxybenzophenones as Photocatalyst. *ACS Applied Polymer Materials*, **2022**, 4, 3361-3368	4.3