

Saihu Liao

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

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	Organocatalytic PET-RAFT polymerization with a low ppm of organic photocatalyst under visible light. <i>Polymer Chemistry</i> , 2022 , 13, 209-219	4.9	5
53	Organocatalytic stereoselective cationic polymerization of vinyl ethers by employing a confined brüsted acid as the catalyst. <i>Science China Chemistry</i> , 2022 , 65, 304	7.9	3
52	Divergent isoindolinone synthesis through palladium-catalyzed isocyanide bridging C≡N activation. <i>Cell Reports Physical Science</i> , 2022 , 3, 100776	6.1	3
51	Visible Light-Regulated Organocatalytic Ring-Opening Polymerization of Lactones Using Hydroxybenzophenones as Photocatalyst. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 3361-3368	4.3	
50	Metal-Free Cationic Polymerization of Vinyl Ethers with Strict Temporal Control by Employing an Organophotocatalyst. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6357-6362	16.4	23
49	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. <i>Angewandte Chemie</i> , 2021 , 133, 4002-4006	3.6	4
48	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3956-3960	16.4	25
47	Recent Advances in Palladium-Catalyzed Bridging C≡N Activation by Using Alkenes, Alkynes or Diazo Compounds as Bridging Reagents. <i>Synthesis</i> , 2021 , 53, 238-254	2.9	15
46	Metal-free atom transfer radical polymerization with ppm catalyst loading under sunlight. <i>Nature Communications</i> , 2021 , 12, 429	17.4	23
45	Visible light-regulated organocatalytic ring-opening polymerization of lactones by harnessing excited state acidity. <i>Polymer Chemistry</i> , 2021 , 12, 885-892	4.9	5
44	Photocatalytic divergent decarboxylative amination: a metal-free access to aliphatic amines and hydrazines. <i>Science China Chemistry</i> , 2021 , 64, 1756	7.9	3
43	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloro-Fluorosulfonylation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22035-22042	16.4	11
42	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloro-Fluorosulfonylation of Alkynes. <i>Angewandte Chemie</i> , 2021 , 133, 22206-22213	3.6	0
41	Organocatalytic, Stereoselective, Cationic Reversible Addition-Fragmentation Chain-Transfer Polymerization of Vinyl Ethers.. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	4
40	Metal-free dehydrosulfurization of thioamides to nitriles under visible light. <i>Chemical Communications</i> , 2020 , 56, 5151-5153	5.8	6
39	Accessing alkyl boronic esters via visible light-mediated decarboxylative addition reactions of redox-active esters. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 2003-2007	5.2	8
38	Decarboxylative Thiolation of Redox-Active Esters to Thioesters by Merging Photoredox and Copper Catalysis. <i>Organic Letters</i> , 2020 , 22, 3692-3696	6.2	16

37	Visible light-mediated ring-opening polymerization of lactones based on the excited state acidity of ESPT molecules. <i>Polymer Chemistry</i> , 2020 , 11, 3709-3715	4.9	6
36	Imidodiphosphorimidate (IDPi) as an efficient organocatalyst for controlled/living ring-opening polymerization of lactones. <i>European Polymer Journal</i> , 2020 , 123, 109449	5.2	7
35	Decarboxylative thiolation of redox-active esters to free thiols and further diversification. <i>Nature Communications</i> , 2020 , 11, 5340	17.4	9
34	Visible-Light-Induced Deaminative Thioesterification of Amino Acid Derived Katritzky Salts via Electron Donor-Acceptor Complex Formation. <i>Organic Letters</i> , 2019 , 21, 8673-8678	6.2	48
33	Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides. <i>Synthesis</i> , 2019 , 51, 4645-4649	2.9	1
32	An efficient and mild route to highly fluorinated polyolefins via copolymerization of ethylene and 5-perfluoroalkylnorbornenes. <i>Polymer Chemistry</i> , 2019 , 10, 3604-3609	4.9	7
31	A Synthesis of Multifunctionalized Indoles from [3 + 2] Annulation of 2-Bromocyclopropenes with Anilines. <i>Organic Letters</i> , 2019 , 21, 4097-4100	6.2	7
30	A rapid access to aliphatic sulfonyl fluorides. <i>Nature Communications</i> , 2019 , 10, 3752	17.4	40
29	BINOLs as visible light photocatalysts for metal-free atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2019 , 10, 6662-6668	4.9	9
28	Photoexcited perylene diimide radical anions for the reduction of aryl halides: a bay-substituent effect. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2296-2302	5.2	40
27	The Activation of Carboxylic Acids via Self-Assembly Asymmetric Organocatalysis: A Combined Experimental and Computational Investigation. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14740-14749	16.4	26
26	Catalytic Enantioselective Conversion of Epoxides to Thiiranes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5230-3	16.4	35
25	Asymmetric Annulation of Donor-Acceptor Cyclopropanes with Dienes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8006-9	16.4	160
24	Asymmetric 1,2-perfluoroalkyl migration: easy access to enantioenriched hydroxy-perfluoroalkyl esters. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4626-9	16.4	33
23	Stereochemical Communication within a Chiral Ion Pair Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8841-5	16.4	42
22	Stereochemische Kommunikation innerhalb eines chiralen Ionenpaares. <i>Angewandte Chemie</i> , 2015 , 127, 8967-8971	3.6	12
21	Double Alkylation of allylic phosphorus ylides: a unique access to oxa-bicyclic[3.3.0] diene skeletons. <i>Chemical Communications</i> , 2014 , 50, 808-10	5.8	8
20	A sidearm-assisted phosphine for catalytic ylide intramolecular cyclopropanation. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1035-1039	5.2	16

19	Side arm strategy for catalyst design: modifying bisoxazolines for remote control of enantioselection and related. <i>Accounts of Chemical Research</i> , 2014 , 47, 2260-72	24.3	162
18	Iron-catalyzed three-component reaction: multiple C-C bond cleavages and reorganizations. <i>Organic Letters</i> , 2013 , 15, 3606-9	6.2	10
17	Reaction of trisubstituted alkenes with iron porphyrin carbenes: facile synthesis of tetrasubstituted dienes and cyclopentadienes. <i>Chemical Communications</i> , 2013 , 49, 7436-8	5.8	20
16	A highly efficient and enantioselective intramolecular Cannizzaro reaction under TOX/Cu(II) catalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16849-52	16.4	71
15	Highly enantioselective [3+3] cycloaddition of aromatic azomethine imines with cyclopropanes directed by π -stacking interactions. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1452-6	16.4	157
14	Highly enantioselective [3+2] annulation of cyclic enol silyl ethers with donor-acceptor cyclopropanes: accessing 3 α -hydroxy [n.3.0]carbocycles. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4004-7	16.4	117
13	Copper-catalyzed highly enantioselective cyclopentannulation of indoles with donor-acceptor cyclopropanes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7851-4	16.4	296
12	Ylide hydrolysis in tandem reactions: a highly Z/E-selective access to 3-alkylidene dihydrobenzofurans and related analogues. <i>Organic Letters</i> , 2013 , 15, 3054-7	6.2	19
11	PPh ₃ -mediated intramolecular conjugation of alkyl halides with electron-deficient olefins: facile synthesis of chromans and relevant analogues. <i>Chemical Communications</i> , 2013 , 49, 4570-2	5.8	12
10	Reactions of iron carbenes with α -unsaturated esters by using an Umpolung approach: mechanism and applications. <i>Chemistry - A European Journal</i> , 2013 , 19, 6766-73	4.8	18
9	Facile and controllable synthesis of multiply substituted benzenes via a formal [3+3] cycloaddition approach. <i>Tetrahedron</i> , 2013 , 69, 284-292	2.4	19
8	Highly Enantioselective [3+2] Annulation of Cyclic Enol Silyl Ethers with Donor-Acceptor Cyclopropanes: Accessing 3 α -Hydroxy [n.3.0]Carbocycles. <i>Angewandte Chemie</i> , 2013 , 125, 4096-4099	3.6	46
7	Tris(oxazoline)/copper-catalyzed coupling of alkynes with nitrones: a highly enantioselective access to β -lactams. <i>Tetrahedron</i> , 2012 , 68, 5042-5045	2.4	34
6	Activation of H ₂ O ₂ by chiral confined Brønsted acids: a highly enantioselective catalytic sulfoxidation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10765-8	16.4	164
5	Asymmetric Counteranion-Directed Iron Catalysis: A Highly Enantioselective Sulfoxidation. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2363-2367	5.6	45
4	Highly diastereo- and enantioselective cyclopropanation of 1,2-disubstituted alkenes. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8838-41	16.4	67
3	Asymmetrische Gegenanion-vermittelte Übergangsmetallkatalyse: enantioselective Epoxidierung von Alkenen mit Mangan(III)-Salen-Phosphatkomplexen. <i>Angewandte Chemie</i> , 2010 , 122, 638-641	3.6	50
2	Asymmetric counteranion-directed transition-metal catalysis: enantioselective epoxidation of alkenes with manganese(III) salen phosphate complexes. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 628-31	16.4	153

- 1 Pyrrolidine as an efficient organocatalyst for direct aldol reaction of trifluoroacetaldehyde ethyl hemiacetal with ketones. *Tetrahedron*, **2007**, 63, 4636-4641 2.4 17