

# Jianyou Mao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7459154/publications.pdf>

Version: 2024-02-01

41  
papers

2,065  
citations

361413

20  
h-index

276875

41  
g-index

42  
all docs

42  
docs citations

42  
times ranked

3233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt-Bisoxazoline-Catalyzed Asymmetric Kumada Cross-Coupling of Racemic $\pm$ -Bromo Esters with Aryl Grignard Reagents. <i>Journal of the American Chemical Society</i> , 2014, 136, 17662-17668.	13.7	137
2	Nickel/Photoredox-Catalyzed Asymmetric Reductive Cross-Coupling of Racemic $\pm$ -Chloro Esters with Aryl Iodides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5172-5177.	13.8	117
3	Innentitelbild: Synergistic N-Heterocyclic Carbene/Palladium-Catalyzed Umpolung 1,4-Addition of Aryl Iodides to Enals ( <i>Angew. Chem. 1/2020</i> ). <i>Angewandte Chemie</i> , 2020, 132, 2-2.	2.0	110
4	Palladium-Catalyzed Enantioselective Arylation of Aryl Sulfenate Anions: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 8337-8345.	13.7	71
5	Nickel-Catalyzed Allylic Alkylation with Diarylmethane Pronucleophiles: Reaction Development and Mechanistic Insights. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1070-1074.	13.8	69
6	One-pot aminobenylation of aldehydes with toluenes. <i>Nature Communications</i> , 2018, 9, 3365.	12.8	69
7	Synthesis of Indoles through Domino Reactions of 2-Fluorotoluenes and Nitriles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11033-11038.	13.8	69
8	Palladium-Catalyzed Debenzylation Cross-Coupling of Aryl Benzyl Sulfides with Aryl Bromides: Synthesis of Diaryl Sulfides. <i>Organic Letters</i> , 2014, 16, 5304-5307.	4.6	65
9	Palladium-Catalyzed Asymmetric Allylic Alkylations with Toluene Derivatives as Pronucleophiles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2526-2530.	13.8	61
10	Synergistic N-Heterocyclic Carbene/Palladium-Catalyzed Umpolung 1,4-Addition of Aryl Iodides to Enals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 161-166.	13.8	54
11	Alkaline-Metal-Catalyzed One-Pot Aminobenylation of Aldehydes with Toluenes. <i>Organic Letters</i> , 2019, 21, 8514-8518.	4.6	41
12	Catalytic enantioselective reductive domino alkyl arylation of acrylates via nickel/photoredox catalysis. <i>Nature Communications</i> , 2021, 12, 6613.	12.8	39
13	Nickel-Catalyzed Desymmetrizing Cross-Electrophile Coupling of Cyclic <i>Meso</i> -Anhydrides. <i>Organic Letters</i> , 2018, 20, 1191-1194.	4.6	29
14	Total Syntheses of ( <i>R</i> )-Strongylodiols C and D. <i>Journal of Natural Products</i> , 2016, 79, 244-247.	3.0	28
15	Palladium-catalysed synthesis of triaryl(heteroaryl)methanes. <i>Nature Communications</i> , 2017, 8, 14641.	12.8	28
16	Benzylic Aroylation of Toluenes Mediated by a $\text{LiN}(\text{SiMe}_3)_2/\text{Cs}^+\text{C}_6\text{H}_5\text{C}_6\text{H}_5$ System. <i>Journal of Organic Chemistry</i> , 2022, 87, 406-418.	3.2	25
17	Nickel-catalyzed reductive coupling of homoenolates and their higher homologues with unactivated alkyl bromides. <i>Nature Communications</i> , 2020, 11, 5638.	12.8	24
18	Nickel/Photoredox-Catalyzed Asymmetric Reductive Cross-Coupling of Racemic $\pm$ -Chloro Esters with Aryl Iodides. <i>Angewandte Chemie</i> , 2020, 132, 5210-5215.	2.0	24

#	ARTICLE	IF	CITATIONS
19	Nickel-Catalyzed Allylic Alkylation with Diarylmethane Pronucleophiles: Reaction Development and Mechanistic Insights. <i>Angewandte Chemie</i> , 2016, 128, 1082-1086.	2.0	22
20	Palladium-Catalyzed Asymmetric Allylic Alkylations with Toluene Derivatives as Pronucleophiles. <i>Angewandte Chemie</i> , 2016, 128, 2572-2576.	2.0	22
21	NIXANTPHOS: a highly active ligand for palladium catalyzed Buchwald-Hartwig amination of unactivated aryl chlorides. <i>Dalton Transactions</i> , 2018, 47, 8690-8696.	3.3	20
22	Design, Synthesis, and Herbicidal Activity of Thioether Containing 1,2,4-Triazole Schiff Bases as Transketolase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11773-11780.	5.2	20
23	Synthesis of triarylmethanols via tandem arylation/oxidation of diarylmethanes. <i>Tetrahedron Letters</i> , 2015, 56, 3604-3607.	1.4	17
24	Base-Promoted Tandem Synthesis of 2-Azaaryl Tetrahydroquinolines. <i>Organic Letters</i> , 2021, 23, 1594-1599.	4.6	17
25	N-Acyl pyrroles: chemoselective pyrrole dance vs. C-H functionalization/arylation of toluenes. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	16
26	One-Pot Synthesis of N-H-Free Pyrroles from Aldehydes and Alkynes. <i>Organic Letters</i> , 2021, 23, 4348-4352.	4.6	15
27	Synthesis of Diaryl Selenides via Palladium-Catalyzed Debenzylative Cross-Coupling of Aryl Benzyl Selenides with Aryl Bromides. <i>Organometallics</i> , 2018, 37, 4086-4091.	2.3	14
28	Synthesis of Indoles through Domino Reactions of 2-Fluorotoluenes and Nitriles. <i>Angewandte Chemie</i> , 2019, 131, 11149-11154.	2.0	13
29	2-Arylindoles: Concise Syntheses and a Privileged Scaffold for Fungicide Discovery. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6982-6992.	5.2	13
30	Modeling of chiral gas chromatographic separation of alkyl and cycloalkyl 2-bromopropionates using cyclodextrin derivatives as stationary phases. <i>Journal of Chromatography A</i> , 2019, 1596, 161-174.	3.7	12
31	Alkali-amide controlled selective synthesis of 7-azaindole and 7-azaindoline through domino reactions of 2-fluoro-3-methylpyridine and aldehydes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2541-2548.	4.5	11
32	Synergistic N-Heterocyclic Carbene/Palladium-Catalyzed Umpolung 1,4-Addition of Aryl Iodides to Enals. <i>Angewandte Chemie</i> , 2020, 132, 167-172.	2.0	10
33	Cooperative N-Heterocyclic Carbene/Palladium-Catalyzed Umpolung 1,4-Addition of Vinyl Bromides to Enals. <i>Organic Letters</i> , 2020, 22, 9603-9608.	4.6	10
34	One-Pot Aminoalkylation of Aldehydes: Diastereoselective Synthesis of Vicinal Diamines with Azaarylmethylamines. <i>Organic Letters</i> , 2019, 21, 8679-8683.	4.6	9
35	Palladium-Catalyzed Direct Arylation of 2-Pyridylmethyl Silanes with Aryl Bromides. <i>Organic Letters</i> , 2021, 23, 3000-3003.	4.6	9
36	Nickel/Photoredox-Catalyzed Enantioselective Reductive Cross-Coupling between Vinyl Bromides and Benzyl Chlorides. <i>Journal of Organic Chemistry</i> , 2022, 87, 8048-8058.	3.2	9

#	ARTICLE	IF	CITATIONS
37	Design, Synthesis, Herbicidal Activity, and Molecular Docking Study of 2-Thioether-5-(Thienyl/Pyridyl)-1,3,4-Oxadiazoles as Potent Transketolase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2510-2519.	5.2	8
38	Nickel-Catalyzed Reductive Coupling of $\beta^3$ -Metalated Ketones with Unactivated Alkyl Bromides. <i>Organic Letters</i> , 2022, 24, 3987-3992.	4.6	8
39	The CGC enantiomer separation of 2-arylcarboxylic acid esters by using $\beta^2$ -cyclodextrin derivatives as chiral stationary phases. <i>Analytica Chimica Acta</i> , 2016, 912, 156-162.	5.4	7
40	Palladium-Catalyzed Carbonylative Cross-Coupling of Aryl Iodides and Alkenyl Bromides with Benzyl Halides under Reductive Conditions. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	4
41	Palladium-catalyzed enantioselective (2-naphthyl)methylation of azaarylmethyl amines. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2721-2727.	4.5	2