

Tian-Sheng Mei

List of Publications by Citations

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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.

69

papers

9,780

citations

39

h-index

87

g-index

87

ext. papers

11,235

ext. citations

9.9

avg, IF

6.8

L-index

#	Paper	IF	Citations
69	Weak coordination as a powerful means for developing broadly useful C-H functionalization reactions. <i>Accounts of Chemical Research</i> , 2012 , 45, 788-802	24.3	2291
68	Activation of remote meta-C-H bonds assisted by an end-on template. <i>Nature</i> , 2012 , 486, 518-22	50.4	663
67	Synthesis of indolines and tetrahydroisoquinolines from aryethylamines by Pd(II)-catalyzed C-H activation reactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6452-5	16.4	393
66	Pd(II)-catalyzed amination of C-H bonds using single-electron or two-electron oxidants. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10806-7	16.4	388
65	Pd-catalyzed intermolecular C-H amination with alkylamines. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7652-5	16.4	362
64	Versatile Pd(OTf) ₂ x 2 H ₂ O-catalyzed ortho-fluorination using NMP as a promoter. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7520-1	16.4	350
63	Enantioselective Heck arylations of acyclic alkenyl alcohols using a redox-relay strategy. <i>Science</i> , 2012 , 338, 1455-8	33.3	334
62	Bystanding F ⁺ oxidants enable selective reductive elimination from high-valent metal centers in catalysis. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1478-91	16.4	330
61	Enantioselective construction of remote quaternary stereocentres. <i>Nature</i> , 2014 , 508, 340-4	50.4	323
60	Recent Advances in C-H Functionalization Using Electrochemical Transition Metal Catalysis. <i>ACS Catalysis</i> , 2018 , 8, 7179-7189	13.1	311
59	Pd(II)-catalyzed monoselective ortho halogenation of C-H bonds assisted by counter cations: a complementary method to directed ortho lithiation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5215-9	16.4	296
58	Versatile Pd(II)-catalyzed C-H activation/aryl-aryl coupling of benzoic and phenyl acetic acids. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17676-7	16.4	288
57	Site-Selective C-H Functionalization via Synergistic Use of Electrochemistry and Transition Metal Catalysis. <i>Accounts of Chemical Research</i> , 2020 , 53, 300-310	24.3	264
56	Palladium-Catalyzed C(sp)-H Oxygenation via Electrochemical Oxidation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 3293-3298	16.4	249
55	Recent Advances in Organic Electrochemical C-H Functionalization. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 338-352	4.9	211
54	Copper-Catalyzed Electrochemical C-H Amination of Arenes with Secondary Amines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11487-11494	16.4	206
53	Enantioselective redox-relay oxidative heck arylations of acyclic alkenyl alcohols using boronic acids. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6830-3	16.4	199

52	Heterocycle Formation Palladium-Catalyzed C-H Functionalization. <i>Synthesis</i> , 2012 , 44, 1778-1791	2.9	141
51	Expedient drug synthesis and diversification via ortho-C-H iodination using recyclable PdI ₂ as the precatalyst. <i>Organic Letters</i> , 2010 , 12, 3140-3	6.2	136
50	Synthesis of Indolines and Tetrahydroisoquinolines from Arylethylamines by PdII-Catalyzed C-H Activation Reactions. <i>Angewandte Chemie</i> , 2008 , 120, 6552-6555	3.6	130
49	Pd(II)-catalyzed o-C-H acetoxylation of phenylalanine and ephedrine derivatives with MeCOO(t)Bu/Ac ₂ O. <i>Organic Letters</i> , 2010 , 12, 2511-3	6.2	126
48	Palladium-Catalyzed C(sp)-H Acetoxylation via Electrochemical Oxidation. <i>Organic Letters</i> , 2017 , 19, 2905-2908	5.2	109
47	Synthesis of indolines via Pd(II)-catalyzed amination of C-H bonds using PhI(OAc) ₂ as the bystanding oxidant. <i>Organic Letters</i> , 2013 , 15, 3058-61	6.2	109
46	Nickel-Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5033-5037	16.4	99
45	Passive F ⁺ -Oxidationsmittel ermöglichen die selektive reduktive Eliminierung hochvalenter Metallzentren in der Katalyse. <i>Angewandte Chemie</i> , 2011 , 123, 1514-1528	3.6	99
44	Palladium-catalyzed C-H activation/C-C cross-coupling reactions via electrochemistry. <i>Chemical Communications</i> , 2017 , 53, 12189-12192	5.8	97
43	Nickel-catalyzed Enantioselective Hydroarylation and Hydroalkenylation of Styrenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3395-3399	16.4	94
42	IrC(sp ³)-H Functionalization through Directed Radical H-Abstraction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5871-4	16.4	94
41	PdII-Catalyzed Monoselective ortho Halogenation of C-H Bonds Assisted by Counter Cations: A Complementary Method to Directed ortho Lithiation. <i>Angewandte Chemie</i> , 2008 , 120, 5293-5297	3.6	84
40	Nickel-Catalyzed Electrochemical Reductive Relay Cross-Coupling of Alkyl Halides to Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6520-6524	16.4	81
39	Electrochemistry-Enabled Ir-Catalyzed Vinylic C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18970-18976	16.4	77
38	Palladium catalyzed CH functionalization with electrochemical oxidation. <i>Tetrahedron Letters</i> , 2017 , 58, 797-802	2	71
37	Palladium-catalyzed reductive electrocarboxylation of allyl esters with carbon dioxide. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2244-2248	5.2	67
36	Enantioselective Ni-Catalyzed Electrochemical Synthesis of Biaryl Atropisomers. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9872-9878	16.4	65
35	Transition-Metal-Catalyzed Carboxylation of Organic Halides and Their Surrogates with Carbon Dioxide. <i>Synthesis</i> , 2018 , 50, 35-48	2.9	56

34	Electrochemical Radical Formyloxylation-Bromination, -Chlorination, and -Trifluoromethylation of Alkenes. <i>Organic Letters</i> , 2019 , 21, 3167-3171	6.2	49
33	Water as a Hydrogenating Agent: Stereodivergent Pd-Catalyzed Semihydrogenation of Alkynes. <i>Organic Letters</i> , 2019 , 21, 1412-1416	6.2	47
32	Regioselective Ni-Catalyzed Carboxylation of Allylic and Propargylic Alcohols with Carbon Dioxide. <i>Organic Letters</i> , 2017 , 19, 2969-2972	6.2	45
31	Cu /TEMPO-Catalyzed Enantioselective C(sp ³)-H Alkynylation of Tertiary Cyclic Amines through Shono-Type Oxidation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15254-15259	16.4	39
30	Nickel-Catalyzed Carboxylation of Aryl and Heteroaryl Fluorosulfates Using Carbon Dioxide. <i>Organic Letters</i> , 2019 , 21, 2464-2467	6.2	35
29	Recent advances in organic electrocatalysis employing transition metal complexes as electrocatalysts. <i>Science Bulletin</i> , 2021 , 66, 2412-2412	10.6	35
28	Nickel-Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. <i>Angewandte Chemie</i> , 2019 , 131, 5087-5091	3.6	32
27	Palladium-Catalyzed Electrochemical C-H Bromination Using NHB ₃ as the Brominating Reagent. <i>Organic Letters</i> , 2019 , 21, 2645-2649	6.2	31
26	Palladium-Catalyzed ortho-Selective C-H Chlorination of Arenes Using Anodic Oxidation. <i>Acta Chimica Sinica</i> , 2019 , 77, 866	3.3	21
25	Nickel-Catalyzed N-Arylation of NH-Sulfoximines with Aryl Halides via Paired Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9444-9449	16.4	21
24	Palladium-Catalyzed Electrochemical C-H Alkylation of Arenes. <i>Organometallics</i> , 2019 , 38, 1208-1212	3.8	21
23	Advances in Asymmetric Organotransition Metal-Catalyzed Electrochemistry. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 3738	3	19
22	Nickel-Catalyzed Electrochemical Reductive Relay Cross-Coupling of Alkyl Halides to Aryl Halides. <i>Angewandte Chemie</i> , 2020 , 132, 6582-6586	3.6	19
21	TEMPO-Enabled Electrochemical Enantioselective Oxidative Coupling of Secondary Acyclic Amines with Ketones. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15599-15605	16.4	19
20	Intermolecular Dearomatization of Naphthalene Derivatives by Photoredox-Catalyzed 1,2-Hydroalkylation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18062-18067	16.4	15
19	Novel construction of the brassinolide side chain. <i>Tetrahedron Letters</i> , 2003 , 44, 5107-5108	2	15
18	Divergent rhodium-catalyzed electrochemical vinylic C-H annulation of acrylamides with alkynes. <i>Nature Communications</i> , 2021 , 12, 930	17.4	15
17	Copper-Catalyzed Electrochemical Selective Bromination of 8-Aminoquinoline Amide Using NHB ₃ as the Brominating Reagent. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3497-3507	4.2	14

16	Transition metal-catalyzed organic reactions in undivided electrochemical cells. <i>Chemical Science</i> , 2021 , 12, 12866-12873	9.4	13
15	Studies on novel macrocyclization methods of cembrane-type diterpenoids: a Stille cyclization approach to (E)-isocembrene. <i>Tetrahedron Letters</i> , 2003 , 44, 5921-5923	2	12
14	CuI/TEMPO-Catalyzed Enantioselective C(sp ³)–C≡C Alkynylation of Tertiary Cyclic Amines through Shono-Type Oxidation. <i>Angewandte Chemie</i> , 2020 , 132, 15366-15371	3.6	10
13	Electrooxidative Iridium-Catalyzed Regioselective Annulation of Benzoic Acids with Internal Alkynes. <i>Organic Letters</i> , 2021 , 23, 1209-1215	6.2	9
12	Nickel-Catalyzed N-Arylation of NH-Sulfoximines with Aryl Halides via Paired Electrolysis. <i>Angewandte Chemie</i> , 2021 , 133, 9530-9535	3.6	7
11	Nickel-Catalyzed Negishi Coupling of Cyclobutanone Oxime Esters with Aryl Zinc Reagents. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 651	3	6
10	Esterification of Carboxylic Acids with Aryl Halides via the Merger of Paired Electrolysis and Nickel Catalysis. <i>Journal of Organic Chemistry</i> , 2021 , 86, 15906-15913	4.2	6
9	Electrochemical Rhodium-Catalyzed Enantioselective C–C Annulation with Alkynes. <i>CCS Chemistry</i> , 3501-3509	3.6	6
8	Total Synthesis of (E)-Isocembrene: A Tactic for Both Diene Construction and Macrocycle Formation. <i>Synthetic Communications</i> , 2003 , 33, 3761-3770	1.7	5
7	Electrochemical Rearrangement Cyclization Based on Alkyl Carboxylic Acids: Synthesis of Triazolopyridinone Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 3982	3	4
6	Nickel-catalyzed electrochemical reductive relay cross-coupling of alkyl halides with alkyl carboxylic acids. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 6603-6608	5.2	4
5	Electrochemical 2,2,6,6-tetramethylpiperidiny-N-oxyl (TEMPO)-Mediated α -Cyanation and Phosphonylation of Cyclic Amines with Metal-Free Conditions. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 3223	3	3
4	Copper-Catalyzed ortho-Sulfonylation with 5-Chloro-8-aminoquinoline Group-Directed. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 384	3	3
3	Nickel-Catalyzed Favorskii-Type Rearrangement of Cyclobutanone Oxime Esters to Cyclopropanecarbonitriles. <i>Synlett</i> , 2020 , 32,	2.2	1
2	Studies on the Model Synthesis of the Brassinolide and Dolicholide β -Side Chains. <i>Chinese Journal of Chemistry</i> , 2010 , 21, 893-897	4.9	
1	Syn-anti epimerization of aldols by aldolate dianions. <i>New Journal of Chemistry</i> , 2004 , 28, 11	3.6	