Tian-Sheng Mei

List of Publications by Year
in descending order

69	12,322	53660 45	88477 70
papers	citations	h-index	g-index

87	87	87	6167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weak Coordination as a Powerful Means for Developing Broadly Useful Câ€“H Functionalization Reactions. Accounts of Chemical Research, 2012, 45, 788-802.	7.6	2,513
2	Activation of remote meta-Câ€“H bonds assisted by an end-on template. Nature, 2012, 486, 518-522.	13.7	794
3	Site-Selective Câ€“H Functionalization via Synergistic Use of Electrochemistry and Transition Metal Catalysis. Accounts of Chemical Research, 2020, 53, 300-310.	7.6	499
4	Recent Advances in Câ€“H Functionalization Using Electrochemical Transition Metal Catalysis. ACS Catalysis, 2018, 8, 7179-7189.	5.5	457
5	Synthesis of Indolines and Tetrahydroisoquinolines from Arylethylamines by Pd^{II}â€Catalyzed Cï£¿H Activation Reactions. Angewandte Chemie - International Edition, 2008, 47, 6452-6455.	7.2	411
6	Pd(II)-Catalyzed Amination of Câˆ’H Bonds Using Single-Electron or Two-electron Oxidants. Journal of the American Chemical Society, 2009, 131, 10806-10807.	6.6	410
7	Enantioselective Heck Arylations of Acyclic Alkenyl Alcohols Using a Redox-Relay Strategy. Science, 2012, 338, 1455-1458.	6.0	403
8	Pd-Catalyzed Intermolecular Câ€“H Amination with Alkylamines. Journal of the American Chemical Society, 2011, 133, 7652-7655.	6.6	398
9	Enantioselective construction of remote quaternary stereocentres. Nature, 2014, 508, 340-344.	13.7	393
10	Versatile Pd(OTf)₂Â·2H₂O-Catalyzed ortho-Fluorination Using NMP as a Promoter. Journal of the American Chemical Society, 2009, 131, 7520-7521.	6.6	369
11	Bystanding F⁺ Oxidants Enable Selective Reductive Elimination from Highâ€Valent Metal Centers in Catalysis. Angewandte Chemie - International Edition, 2011, 50, 1478-1491.	7.2	366
12	Pd^{II}â€Catalyzed Monoselective ortho Halogenation of Cï£¿H Bonds Assisted by Counter Cations: A Complementary Method to Directed orthoâ€…Lithiation. Angewandte Chemie - International Edition, 2008, 47, 5215-5219.	7.2	328
13	Versatile Pd(II)-Catalyzed Câˆ’H Activation/Arylâˆ’Aryl Coupling of Benzoic and Phenyl Acetic Acids. Journal of the American Chemical Society, 2008, 130, 17676-17677.	6.6	308
14	Palladium-Catalyzed C(sp³)â€”H Oxygenation via Electrochemical Oxidation. Journal of the American Chemical Society, 2017, 139, 3293-3298.	6.6	305
15	Recent Advances in Organic Electrochemical Câ€”H Functionalization. Chinese Journal of Chemistry, 2018, 36, 338-352.	2.6	271
16	Copper-Catalyzed Electrochemical Câ€“H Amination of Arenes with Secondary Amines. Journal of the American Chemical Society, 2018, 140, 11487-11494.	6.6	262
17	Enantioselective Redox-Relay Oxidative Heck Arylations of Acyclic Alkenyl Alcohols using Boronic Acids. Journal of the American Chemical Society, 2013, 135, 6830-6833.	6.6	230
18	Recent advances in organic electrosynthesis employing transition metal complexes as electrocatalysts. Science Bulletin, 2021, 66, 2412-2429.	4.3	183

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19	Nickelâ€Catalyzed Electrochemical Reductive Relay Crossâ€Coupling of Alkyl Halides to Aryl Halides. Angewandte Chemie - International Edition, 2020, 59, 6520-6524.	7.2	159
20	Nickelâ€Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. Angewandte Chemie - International Edition, 2019, 58, 5033-5037.	7.2	156
21	Heterocycle Formation via Palladium-Catalyzed C-H Functionalization. Synthesis, 2012, 44, 1778-1791.	1.2	154
22	Expedient Drug Synthesis and Diversification via ortho-Câ^'H Iodination using Recyclable PdI₂ as the Precatalyst. Organic Letters, 2010, 12, 3140-3143.	2.4	152
23	Pd(II)-Catalyzed o-Câ^'H Acetoxylation of Phenylalanine and Ephedrine Derivatives with MeCOOO^tBu/Ac₂O. Organic Letters, 2010, 12, 2511-2513.	2.4	141
24	Enantioselective Ni-Catalyzed Electrochemical Synthesis of Biaryl Atropisomers. Journal of the American Chemical Society, 2020, 142, 9872-9878.	6.6	138
25	Nickel-catalyzed Enantioselective Hydroarylation and Hydroalkenylation of Styrenes. Journal of the American Chemical Society, 2019, 141, 3395-3399.	6.6	132
26	Palladium-Catalyzed C(sp²)â€"H Acetoxylation via Electrochemical Oxidation. Organic Letters, 2017, 19, 2905-2908.	2.4	131
27	Synthesis of Indolines via Pd(II)-Catalyzed Amination of Câ€"H Bonds Using PhI(OAc)₂ as the Bystanding Oxidant. Organic Letters, 2013, 15, 3058-3061.	2.4	120
28	Palladium-catalyzed Câ€"H activation/Câ€"C cross-coupling reactions via electrochemistry. Chemical Communications, 2017, 53, 12189-12192.	2.2	117
29	Palladium-catalyzed reductive electrocarboxylation of allyl esters with carbon dioxide. Organic Chemistry Frontiers, 2018, 5, 2244-2248.	2.3	116
30	Electrochemistry-Enabled Ir-Catalyzed Vinylic Câ€"H Functionalization. Journal of the American Chemical Society, 2019, 141, 18970-18976.	6.6	116
31	Î³,Î´,Îµ-C(sp³)â€"H Functionalization through Directed Radical H-Abstraction. Journal of the American Chemical Society, 2015, 137, 5871-5874.	6.6	115
32	Cu^{II}/TEMPOâ€Catalyzed Enantioselective C(sp³)â€"H Alkynylation of Tertiary Cyclic Amines through Shonoâ€Type Oxidation. Angewandte Chemie - International Edition, 2020, 59, 15254-15259.	7.2	109
33	TEMPO-Enabled Electrochemical Enantioselective Oxidative Coupling of Secondary Acyclic Amines with Ketones. Journal of the American Chemical Society, 2021, 143, 15599-15605.	6.6	92
34	Palladium catalyzed CH functionalization with electrochemical oxidation. Tetrahedron Letters, 2017, 58, 797-802.	0.7	77
35	Water as a Hydrogenating Agent: Stereodivergent Pd-Catalyzed Semihydrogenation of Alkynes. Organic Letters, 2019, 21, 1412-1416.	2.4	71
36	Transition-Metal-Catalyzed Carboxylation of Organic Halides and Their Surrogates with Carbon Dioxide. Synthesis, 2018, 50, 35-48.	1.2	70

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37	Electrochemical Radical Formyloxylationâ€“Bromination, â^'Chlorination, and â^'Trifluoromethylation of Alkenes. Organic Letters, 2019, 21, 3167-3171.	2.4	70
38	Transition metal-catalyzed organic reactions in undivided electrochemical cells. Chemical Science, 2021, 12, 12866-12873.	3.7	65
39	Nickelâ€Catalyzed Nâ€Arylation of NHâ€Sulfoximines with Aryl Halides via Paired Electrolysis. Angewandte Chemie - International Edition, 2021, 60, 9444-9449.	7.2	62
40	Regioselective Ni-Catalyzed Carboxylation of Allylic and Propargylic Alcohols with Carbon Dioxide. Organic Letters, 2017, 19, 2969-2972.	2.4	59
41	Palladium-Catalyzed Electrochemical Câ€“H Bromination Using NH₄Br as the Brominating Reagent. Organic Letters, 2019, 21, 2645-2649.	2.4	58
42	Nickel-Catalyzed Carboxylation of Aryl and Heteroaryl Fluorosulfates Using Carbon Dioxide. Organic Letters, 2019, 21, 2464-2467.	2.4	54
43	Divergent rhodium-catalyzed electrochemical vinylic Câ€“H annulation of acrylamides with alkynes. Nature Communications, 2021, 12, 930.	5.8	48
44	Electrochemical Rhodium-Catalyzed Enantioselective Câ€“H Annulation with Alkynes. CCS Chemistry, 2022, 4, 3181-3189.	4.6	42
45	Nickelâ€Catalyzed Thiolation of Aryl Halides and Heteroaryl Halides through Electrochemistry. Angewandte Chemie, 2019, 131, 5087-5091.	1.6	40
46	Palladium-Catalyzed Electrochemical Câ€“H Alkylation of Arenes. Organometallics, 2019, 38, 1208-1212.	1.1	40
47	Intermolecular Dearomatization of Naphthalene Derivatives by Photoredoxâ€Catalyzed 1,2â€Hydroalkylation. Angewandte Chemie - International Edition, 2020, 59, 18062-18067.	7.2	38
48	Advances in Asymmetric Organotransition Metal-Catalyzed Electrochemistry. Chinese Journal of Organic Chemistry, 2020, 40, 3738.	0.6	38
49	Nickelâ€Catalyzed Electrochemical Reductive Relay Crossâ€Coupling of Alkyl Halides to Aryl Halides. Angewandte Chemie, 2020, 132, 6582-6586.	1.6	34
50	Electrooxidative Iridium-Catalyzed Regioselective Annulation of Benzoic Acids with Internal Alkynes. Organic Letters, 2021, 23, 1209-1215.	2.4	31
51	Palladium-Catalyzed ortho-Selective C-H Chlorination of Arenes Using Anodic Oxidation. Acta Chimica Sinica, 2019, 77, 866.	0.5	30
52	Copper-Catalyzed Electrochemical Selective Bromination of 8-Aminoquinoline Amide Using NH₄Br as the Brominating Reagent. Journal of Organic Chemistry, 2020, 85, 3497-3507.	1.7	29
53	Cu II /TEMPOâ€Catalyzed Enantioselective C(sp 3)â€“H Alkynylation of Tertiary Cyclic Amines through Shonoâ€Type Oxidation. Angewandte Chemie, 2020, 132, 15366-15371.	1.6	26
54	Nickel-catalyzed decarboxylative cross-coupling of indole-3-acetic acids with aryl bromides by convergent paired electrolysis. Chemical Communications, 2022, 58, 8202-8205.	2.2	21

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55	Nickel-catalyzed electrochemical reductive relay cross-coupling of alkyl halides with alkyl carboxylic acids. Organic Chemistry Frontiers, 2021, 8, 6603-6608.	2.3	19
56	Novel construction of the brassinolide side chain. Tetrahedron Letters, 2003, 44, 5107-5108.	0.7	17
57	Esterification of Carboxylic Acids with Aryl Halides via the Merger of Paired Electrolysis and Nickel Catalysis. Journal of Organic Chemistry, 2021, 86, 15906-15913.	1.7	17
58	Nickelâ€Catalyzed Nâ€Arylation of NHâ€Sulfoximines with Aryl Halides via Paired Electrolysis. Angewandte Chemie, 2021, 133, 9530-9535.	1.6	15
59	Studies on novel macrocyclization methods of cembrane-type diterpenoids: a Stille cyclization approach to (Â±)-isocembrene. Tetrahedron Letters, 2003, 44, 5921-5923.	0.7	13
60	<scp>Nickelâ€Catalyzed</scp> Electroreductive Syntheses of Triphenylenes Using <scp>orthoâ€Dihalobenzeneâ€Derived</scp> Benzynes. Chinese Journal of Chemistry, 2022, 40, 2335-2344.	2.6	13
61	Electrochemical 2,2,6,6-tetramethylpiperidinyl-N-oxyl (TEMPO)-Mediated Î±-Cyanation and Phosphonylation of Cyclic Amines with Metal-Free Conditions. Chinese Journal of Organic Chemistry, 2021, 41, 3223.	0.6	9
62	Nickel-Catalyzed Negishi Coupling of Cyclobutanone Oxime Esters with Aryl Zinc Reagents. Chinese Journal of Organic Chemistry, 2020, 40, 651.	0.6	8
63	Total Synthesis of (Â±)-Isocembrene: A Tactic for Both Diene Construction and Macrocycle Formation. Synthetic Communications, 2003, 33, 3761-3770.	1.1	7
64	Electrochemical Rearrangement Cyclization Based on Alkyl Carboxylic Acids: Synthesis of Triazolopyridinone Derivatives. Chinese Journal of Organic Chemistry, 2020, 40, 3982.	0.6	6
65	Nickel-Catalyzed Favorskii-Type Rearrangement of Cyclobutanone Oxime Esters to Cyclopropanecarbonitriles. Synlett, 2020, 32, .	1.0	4
66	Copper-Catalyzedortho-Sulfonylation with 5-Chloro-8-aminoquinoline Group-Directed. Chinese Journal of Organic Chemistry, 2021, 41, 384.	0.6	3
67	Multicomponent Reductive Cross-Coupling Involved by High-Valent Sulfur Salts: Straightforward Construction of Diversely Functionalized Sulfones. Chinese Journal of Organic Chemistry, 2019, 39, 3600.	0.6	1
68	Syn-anti epimerization of aldols by aldolate dianions. New Journal of Chemistry, 2004, 28, 11.	1.4	0
69	Studies on the Model Synthesis of the Brassinolide and Dolicholide's Side Chains. Chinese Journal of Chemistry, 2003, 21, 893-897.	2.6	0