

Hui-Xiong Dai

List of Publications by Year in descending order

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50
papers

3,014
citations

236925

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197818

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50
times ranked

2570
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd(II)-Catalyzed Hydroxyl-Directed C-H Activation/C-O Cyclization: Expedient Construction of Dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , 2010, 132, 12203-12205.	13.7	327
2	Cu(II)-Mediated C-H Amidation and Amination of Arenes: Exceptional Compatibility with Heterocycles. <i>Journal of the American Chemical Society</i> , 2014, 136, 3354-3357.	13.7	313
3	Pd(II)-Catalyzed Ortho Trifluoromethylation of Arenes and Insights into the Coordination Mode of Acidic Amide Directing Groups. <i>Journal of the American Chemical Society</i> , 2012, 134, 11948-11951.	13.7	285
4	Overcoming the limitations of directed C-H functionalizations of heterocycles. <i>Nature</i> , 2014, 515, 389-393.	27.8	279
5	Cu(II)-Mediated Ortho C-H Alkynylation of (Hetero)Arenes with Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11590-11593.	13.7	220
6	Exceedingly Fast Copper(II)-Promoted <i>ortho</i> -C-H Trifluoromethylation of Arenes using TMSCF ₃ . <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10439-10442.	13.8	160
7	Ru(II)-Catalyzed <i>ortho</i> -C-H Amination of Arenes and Heteroarenes at Room Temperature. <i>Organic Letters</i> , 2013, 15, 5286-5289.	4.6	131
8	Cu(OAc) ₂ -Catalyzed Coupling of Aromatic C-H Bonds with Arylboron Reagents. <i>Organic Letters</i> , 2014, 16, 5666-5669.	4.6	119
9	Cu(II)-Mediated C(sp ²)-H Hydroxylation. <i>Journal of Organic Chemistry</i> , 2015, 80, 8843-8848.	3.2	85
10	Copper-Mediated Late-Stage Functionalization of Heterocycle-Containing Molecules. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5317-5321.	13.8	78
11	Recent Progress on Copper-Mediated Directing-Group-Assisted C(sp ²)-H Activation. <i>Synthesis</i> , 2016, 48, 4381-4399.	2.3	76
12	Ligand-enabled <i>ortho</i> -C-H olefination of phenylacetic amides with unactivated alkenes. <i>Chemical Science</i> , 2018, 9, 1311-1316.	7.4	75
13	Cu(II)-Catalyzed Coupling of Aromatic C-H Bonds with Malonates. <i>Organic Letters</i> , 2015, 17, 1228-1231.	4.6	71
14	Pd-Catalyzed β -Selective C-H Functionalization of Olefins: En Route to 4-Imino- β -Lactams. <i>Journal of the American Chemical Society</i> , 2016, 138, 2146-2149.	13.7	69
15	Remote <i>para</i> -C-H Acetoxylation of Electron-Deficient Arenes. <i>Organic Letters</i> , 2019, 21, 540-544.	4.6	62
16	Palladium-Catalyzed Remote <i>meta</i> -C-H Bond Deuteration of Arenes Using a Pyridine Template. <i>Organic Letters</i> , 2019, 21, 4887-4891.	4.6	57
17	Identification of monodentate oxazoline as a ligand for copper-promoted <i>ortho</i> -C-H hydroxylation and amination. <i>Chemical Science</i> , 2017, 8, 1469-1473.	7.4	51
18	Copper-Mediated Diastereoselective C-H Thiolation of Ferrocenes. <i>Organometallics</i> , 2018, 37, 2832-2836.	2.3	51

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19	Efficient Synthesis of Spirooxindole Pyrrolones by a Rhodium(III)-Catalyzed C-H Activation/Carbene Insertion/Lossen Rearrangement Sequence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13335-13339.	13.8	51
20	Copper mediated C-H amination with oximes: en route to primary anilines. <i>Chemical Science</i> , 2018, 9, 5160-5164.	7.4	50
21	Ligand-Controlled Para-Selective C-H Arylation of Monosubstituted Arenes. <i>Organic Letters</i> , 2015, 17, 3830-3833.	4.6	42
22	Transformations of Aryl Ketones via Ligand-Promoted C-C Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14388-14393.	13.8	37
23	Rapid Syntheses of Heteroaryl-Substituted Imidazo[1,5- <i>a</i>]indole and Pyrrolo[1,2- <i>c</i>]imidazole via Aerobic C-H Functionalizations. <i>Organic Letters</i> , 2018, 20, 284-287.	4.6	36
24	Pd-Catalyzed Asymmetric Dearomatization of Indoles via Decarbonylative Heck-Type Reaction of Thioesters. <i>Organic Letters</i> , 2021, 23, 172-177.	4.6	28
25	Ligand-Promoted Alkynylation of Aryl Ketones: A Practical Tool for Structural Diversity in Drugs and Natural Products. <i>ACS Catalysis</i> , 2021, 11, 1758-1764.	11.2	28
26	Mizoroki-Heck Reaction of Unstrained Aryl Ketones via Ligand-Promoted C-C Bond Olefination. <i>Organic Letters</i> , 2021, 23, 2147-2152.	4.6	22
27	Copper-Catalyzed Oxalamide-Directed <i>ortho</i> -C-H Amination of Anilines with Alkylamines. <i>Organic Letters</i> , 2020, 22, 5051-5056.	4.6	20
28	Cu-Mediated C-H Thioetherification of Arenes at Room Temperature. <i>Organic Letters</i> , 2019, 21, 5981-5985.	4.6	15
29	Palladium-catalyzed meta-C-H bond iodination of arenes with I ₂ . <i>Chinese Chemical Letters</i> , 2020, 31, 1301-1304.	9.0	15
30	Palladium/Norbornene-Catalyzed Decarbonylative Difunctionalization of Thioesters. <i>Jacs Au</i> , 2021, 1, 1877-1884.	7.9	14
31	Copper-mediated C-H thiolation of (hetero)arenes using weakly coordinating directing group. <i>Tetrahedron Letters</i> , 2020, 61, 152062.	1.4	13
32	Arylketones as Aryl Donors in Palladium-Catalyzed Suzuki-Miyaura Couplings. <i>Organic Letters</i> , 2021, 23, 8291-8295.	4.6	13
33	Enones as Alkenyl Reagents via Ligand-Promoted C-C Bond Activation. <i>ACS Catalysis</i> , 2022, 12, 82-88.	11.2	13
34	C3-Arylation of indoles with aryl ketones via C-C/C-H activations. <i>Chemical Communications</i> , 2021, 57, 9716-9719.	4.1	12
35	Pd-Catalyzed Asymmetric Acyl-Carbamoylation of an Alkene to Construct an $\hat{\pm}$ -Quaternary Chiral Cycloketone. <i>Organic Letters</i> , 2021, 23, 6299-6304.	4.6	12
36	Copper-Mediated <i>ortho</i> -C-H Amination Using DMF as the Amine Source. <i>Organic Letters</i> , 2021, 23, 8505-8509.	4.6	12

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37	Copper mediated C(sp ²)â€”H amination and hydroxylation of phosphinamides. <i>Chemical Communications</i> , 2020, 56, 1444-1447.	4.1	8
38	Synthesis of Axially Chiral Olefinâ€”Oxazoline Ligands via Pd-Catalyzed Multiple Câ€”H Functionalization. <i>Organic Letters</i> , 2020, 22, 9169-9173.	4.6	8
39	Efficient Synthesis of Spirooxindole Pyrrolones by a Rhodium(III)â€”Catalyzed Câ”H Activation/Carbene Insertion/Lossen Rearrangement Sequence. <i>Angewandte Chemie</i> , 2019, 131, 13469-13473.	2.0	7
40	Copper-catalyzed $\hat{\pm}$ -selective Câ€”H trifluoromethylation of acrylamides with TMSCF ₃ . <i>Chinese Chemical Letters</i> , 2019, 30, 969-972.	9.0	7
41	Palladium-catalyzed fluoroacylation of (Hetero)arylboronic acid with fluorothioacetates at ambient temperature. <i>Tetrahedron Letters</i> , 2020, 61, 151780.	1.4	7
42	Homologation of aryl ketones to long-chain ketones and aldehydes via Câ€”C bond cleavage. <i>IScience</i> , 2022, 25, 104505.	4.1	7
43	Palladium-Catalyzed, Copper(I)-Promoted Methoxycarbonylation of Arylboronic Acids with <i>o</i> -Methyl <i>S</i> -Aryl Thiocarbonates. <i>Journal of Organic Chemistry</i> , 2020, 85, 4475-4481.	3.2	6
44	Construction of 2-alkynyl aza-spiro[4,5]indole scaffolds <i>via</i> sequential Câ€”H activations for modular click chemistry libraries. <i>Chemical Communications</i> , 2021, 57, 8656-8659.	4.1	6
45	Palladium-catalyzed diarylative dearomatization of indoles with aryl thioesters. <i>Chinese Chemical Letters</i> , 2021, 32, 2765-2768.	9.0	6
46	Palladium-Catalyzed Alkynylation of Enones with Alkynylsilanes via Câ€”C Bond Activation. <i>Journal of Organic Chemistry</i> , 2022, 87, 6807-6811.	3.2	6
47	Functionalized styrene synthesis via palladium-catalyzed C C cleavage of aryl ketones. <i>Tetrahedron Letters</i> , 2022, 95, 153721.	1.4	2
48	Transformations of Aryl Ketones via Ligandâ€”Promoted Câ”C Bond Activation. <i>Angewandte Chemie</i> , 2020, 132, 14494-14499.	2.0	1
49	Copper-mediated ortho C H primary amination of anilines. <i>Tetrahedron Letters</i> , 2021, 73, 153099.	1.4	1
50	Construction of Aza-spiro[4,5]indole Scaffolds via Rhodium-Catalyzed Regioselective C(4)â€”H Activation of Indole ^{â€”} . <i>Acta Chimica Sinica</i> , 2022, 80, 277.	1.4	0