

Dong-Hui Wang

List of Publications by Year in descending order

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31
papers

10,230
citations

361388

20
h-index

361001

35
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48
all docs

48
docs citations

48
times ranked

5552
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium(II)-Catalyzed C–H Activation/C–C Cross-Coupling Reactions: Versatility and Practicality. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5094-5115.	13.8	3,842
2	Palladium-Catalyzed Methylation and Arylation of sp ² and sp ³ C–H Bonds in Simple Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2007, 129, 3510-3511.	13.7	715
3	Ligand-Enabled Reactivity and Selectivity in a Synthetically Versatile Aryl C–H Olefination. <i>Science</i> , 2010, 327, 315-319.	12.6	694
4	Pd(II)-Catalyzed Cross-Coupling of sp ³ C–H Bonds with sp ² and sp ³ Boronic Acids Using Air as the Oxidant. <i>Journal of the American Chemical Society</i> , 2008, 130, 7190-7191.	13.7	461
5	Ligand-Accelerated C–H Activation Reactions: Evidence for a Switch of Mechanism. <i>Journal of the American Chemical Society</i> , 2010, 132, 14137-14151.	13.7	429
6	Pd(II)-Catalyzed Enantioselective C–H Olefination of Diphenylacetic Acids. <i>Journal of the American Chemical Society</i> , 2010, 132, 460-461.	13.7	427
7	Pd-Catalyzed Stereoselective Oxidation of Methyl Groups by Inexpensive Oxidants under Mild Conditions: A Dual Role for Carboxylic Anhydrides in Catalytic C–H Bond Oxidation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7420-7424.	13.8	409
8	Pd(II)-Catalyzed Hydroxyl-Directed C–H Olefination Enabled by Monoprotected Amino Acid Ligands. <i>Journal of the American Chemical Society</i> , 2010, 132, 5916-5921.	13.7	335
9	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, 17676-17677.	13.7	308
10	Constructing Multiply Substituted Arenes Using Sequential Palladium(II)-Catalyzed C–H Olefination. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6169-6173.	13.8	233
11	Highly Convergent Total Synthesis of (+)-Lithospermic Acid via a Late-Stage Intermolecular C–H Olefination. <i>Journal of the American Chemical Society</i> , 2011, 133, 5767-5769.	13.7	201
12	Palladium-Catalyzed Oxidation of Boc-Protected N-Methylamines with IOAc as the Oxidant: A Boc-Directed sp ³ C–H Bond Activation. <i>Organic Letters</i> , 2006, 8, 3387-3390.	4.6	180
13	±-Arylation of Saturated Azacycles and N-Methylamines via Palladium(II)-Catalyzed C(sp ³)–H Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 11876-11879.	13.7	153
14	Expedient Drug Synthesis and Diversification via ortho-C–H Iodination using Recyclable Pd ₂ as the Precatalyst. <i>Organic Letters</i> , 2010, 12, 3140-3143.	4.6	152
15	Mild and Rapid Pd-Catalyzed Cross-Coupling with Hydrazine in Continuous Flow: Application to the Synthesis of Functionalized Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3434-3437.	13.8	96
16	Cu(II)-Catalyzed ortho-Selective Aminomethylation of Phenols. <i>Journal of the American Chemical Society</i> , 2017, 139, 12390-12393.	13.7	66
17	Palladium-Catalyzed Hydroxylation of Aryl Halides with Boric Acid. <i>Organic Letters</i> , 2020, 22, 8470-8474.	4.6	24
18	Copper-Catalyzed ortho-Selective Dearomative C–N Coupling of Simple Phenols with <i>o</i> -Benzoylhydroxylamines. <i>ACS Catalysis</i> , 2019, 9, 7343-7349.	11.2	21

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19	Potassium Alkylpentafluorosilicates, Primary Alkyl Radical Precursors in the C-1 Alkylation of Tetrahydroisoquinolines. <i>Organic Letters</i> , 2019, 21, 3981-3985.	4.6	15
20	Ir(κ^3)-catalyzed thioether directed arene C-H alkenylation. <i>RSC Advances</i> , 2019, 9, 30134-30138.	3.6	13
21	Synthesis of β -Lactams via Pd(II)-Catalyzed C(sp ³)-H Olefination Using a Self-Cleaving Polyfluoroethylsulfinyl Directing Group. <i>Organic Letters</i> , 2020, 22, 7141-7146.	4.6	12
22	Copper-catalyzed C-N cross-coupling of arylboronic acids with N-acylpyrazoles. <i>Tetrahedron Letters</i> , 2016, 57, 3604-3607.	1.4	11
23	Ir(III)-Catalyzed Mono-Olefination of Aryl C-H Bonds Using κ^3 SCF ₃ as a Weak Directing Group. <i>Organic Letters</i> , 2019, 21, 8116-8121.	4.6	11
24	Synthesis of N-H-Free 1,4-Dihydroisoquinoline-3(2H)-ones via Pd-Catalyzed C-H Olefination Using Polyfluorosulfinyl as the Auxiliary Group. <i>Organic Letters</i> , 2020, 22, 5880-5884.	4.6	11
25	Copper-Catalyzed Methoxylation of Aryl Bromides with 9-BBN-OMe. <i>Organic Letters</i> , 2021, 23, 8450-8454.	4.6	10
26	β -Selective Cu(II)-Catalyzed Dehydrogenative Enamination of Alkylbenzenes. <i>Organic Letters</i> , 2020, 22, 9473-9477.	4.6	6
27	Copper-Catalyzed 3-Positional Amination of 2-Azulenols with <i>O</i> -Benzoylhydroxylamines. <i>Organic Letters</i> , 2021, 23, 6638-6641.	4.6	6
28	Cu(II)-Catalyzed <i>Ortho</i> -Selective Amination of Simple Phenols with <i>O</i> -Benzoylhydroxylamines. <i>Israel Journal of Chemistry</i> , 2020, 60, 429-432.	2.3	5
29	ligand-Accelerated <i>ortho</i> -C-H Olefination of Phenylacetic Acids. <i>Organic Syntheses</i> , 2015, 92, 58-75.	1.0	5
30	Cu-Catalyzed Synthesis of Benzoxazole with Phenol and Cyclic Oxime. <i>Organic Letters</i> , 2022, 24, 782-785.	4.6	5
31	A Mechanism Study for Self-Cleaving Chlorotetrafluoroethylsulfinyl (κ^3 SOCF ₂ CF ₂ Cl)-Directed Pd(II)-Catalyzed C-H Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 16511-16517.	3.2	0