

Dong-Hui Wang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

10,230
citations

361413
20
h-index

361022
35
g-index

48
all docs

48
docs citations

48
times ranked

5552
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Palladium(II)-Catalyzed C _{sp³} -H Activation/C _{sp³} -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: An ABoc-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 O-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 η^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 (η^3 -SOClF ₂ CF ₂ Cl)-Directed Pd(II)-Catalyzed C-H Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 16511-16517. | 3.2 | 0 |