

Jian He

List of Publications by Year in descending order

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31
papers

4,863
citations

201385

27
h-index

377514

34
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46
all docs

46
docs citations

46
times ranked

3696
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Transformations of Alkyl C-H Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
2	Ligand-Controlled C(sp ³)-H Arylation and Olefination in Synthesis of Unnatural Chiral α -Amino Acids. <i>Science</i> , 2014, 343, 1216-1220.	6.0	451
3	Ligand-Enabled Methylene C(sp ³)-H Bond Activation with a Pd(II) Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 18570-18572.	6.6	230
4	Palladium(0)-Catalyzed Alkynylation of C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 3387-3390.	6.6	191
5	Pd(II)-Catalyzed Enantioselective C(sp ³)-H Borylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3344-3347.	6.6	185
6	Ligand-Promoted <i>meta</i> -C-H Amination and Alkynylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 14092-14099.	6.6	172
7	Formation of β -chiral centers by asymmetric γ -C(sp ³)-H arylation, alkenylation, and alkynylation. <i>Science</i> , 2017, 355, 499-503.	6.0	169
8	Ligand-Enabled γ -C-H Arylation of α -Amino Acids Using a Simple and Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2015, 137, 3338-3351.	6.6	147
9	Ligand-Promoted Alkylation of C(sp ³)-H and C(sp ²)-H Bonds. <i>Journal of the American Chemical Society</i> , 2014, 136, 13194-13197.	6.6	145
10	Ligand-Enabled Stereoselective γ -C(sp ³)-H Fluorination: Synthesis of Unnatural Enantiopure <i>anti</i> - γ -Fluoro- α -amino Acids. <i>Journal of the American Chemical Society</i> , 2015, 137, 7067-7070.	6.6	137
11	Ligand-Enabled γ -C(sp ³)-H Olefination of Amines: En Route to Pyrrolidines. <i>Journal of the American Chemical Society</i> , 2016, 138, 2055-2059.	6.6	123
12	Ligand-Promoted Borylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 785-789.	7.2	119
13	Ligand-Enabled Triple C-H Activation Reactions: One-Pot Synthesis of Diverse α -Aryl- β -quinolinones from Propionamides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6692-6695.	7.2	111
14	Palladium(0)/PAr ₃ -Catalyzed Intermolecular Amination of C(sp ³)-H Bonds: Synthesis of β -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6545-6549.	7.2	111
15	Ligand-Enabled Cross-Coupling of C(sp ³)-H Bonds with Arylsilanes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4618-4621.	6.6	102
16	Visible-Light-Induced, Copper-Catalyzed Three-Component Coupling of Alkyl Halides, Olefins, and Trifluoromethylthiolate To Generate Trifluoromethyl Thioethers. <i>ACS Catalysis</i> , 2018, 8, 11741-11748.	5.5	94
17	Ligand-Promoted <i>ortho</i> -C-H Amination with Pd Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2497-2500.	7.2	91
18	Enantioselective γ -C(sp ³)-H Activation of Alkyl Amines via Pd(II)/Pd(0) Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 5322-5325.	6.6	88

#	ARTICLE	IF	CITATIONS
19	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C-H Amination with Free Amines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7449-7453.	7.2	84
20	Building a Pyrazole-Benzothiadiazole-Pyrazole Photosensitizer into Metal-Organic Frameworks for Photocatalytic Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 21340-21349.	6.6	84
21	Ligand-Enabled Pd(II)-Catalyzed Bromination and Iodination of C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 5724-5727.	6.6	58
22	Ligand-Enabled Alkynylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1873-1876.	7.2	48
23	Ligand-Enabled ¹³ C(sp ³)-H Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , 2017, 7, 7777-7782.	5.5	43
24	Ligand-Promoted <i>ortho</i> -C-H Amination with Pd Catalysts. <i>Angewandte Chemie</i> , 2015, 127, 2527-2530.	1.6	29
25	Functionalized Polymer-Supported Pyridine Ligands for Palladium-Catalyzed C(sp ³)-H Arylation. <i>ACS Catalysis</i> , 2016, 6, 5245-5250.	5.5	22
26	Ligand-Enabled Alkynylation of C(sp ³)-H Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie</i> , 2017, 129, 1899-1902.	1.6	19
27	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C-H Amination with Free Amines. <i>Angewandte Chemie</i> , 2017, 129, 7557-7561.	1.6	16
28	An Epoxide-Mediated Deprotection Method for Acidic Amide Auxiliary. <i>Organic Letters</i> , 2017, 19, 5860-5863.	2.4	9
29	CuCl-catalyzed stereoselective conjugate addition of Grignard reagents to 2,3-allenoates. <i>Tetrahedron</i> , 2012, 68, 2719-2724.	1.0	4
30	Selective C(sp ³)-H Monoarylation Catalyzed by a Covalently Cross-Linked Reverse Micelle-Supported Palladium Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3611-3617.	2.1	4
31	An Adenine-Based Biological Metal-Organic Framework as an Efficient Luminescent Sensor for Tetracycline Detection. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	3