

# Jian He

## List of Publications by Year in descending order

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31  
papers

4,863  
citations

201385

27  
h-index

377514

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46  
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46  
docs citations

46  
times ranked

3696  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Enantioselective $\hat{I}^3$ -C(sp <sup>3</sup> ) $\hat{H}$ 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
4	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
5	Formation of $\hat{I}^{\pm}$ -chiral centers by asymmetric $\hat{I}^2$ -C(sp <sup>3</sup> ) $\hat{H}$ arylation, alkenylation, and alkynylation. <i>Science</i> , 2017, 355, 499-503.	6.0	169
6	Ligand-Enabled Alkynylation of C(sp <sup>3</sup> ) $\hat{H}$ Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1873-1876.	7.2	48
7	Ligand-Enabled Alkynylation of C(sp <sup>3</sup> ) $\hat{H}$ Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie</i> , 2017, 129, 1899-1902.	1.6	19
8	Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> ) $\hat{H}$ Borylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 3344-3347.	6.6	185
9	Ligand-Enabled Pd(II)-Catalyzed Bromination and Iodination of C(sp <sup>3</sup> ) $\hat{H}$ Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 5724-5727.	6.6	58
10	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C $\hat{H}$ Amination with Free Amines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7449-7453.	7.2	84
11	Ligand-Promoted Rhodium(III)-Catalyzed <i>ortho</i> -C $\hat{H}$ Amination with Free Amines. <i>Angewandte Chemie</i> , 2017, 129, 7557-7561.	1.6	16
12	Palladium-Catalyzed Transformations of Alkyl C $\hat{H}$ Bonds. <i>Chemical Reviews</i> , 2017, 117, 8754-8786.	23.0	1,660
13	An Epoxide-Mediated Deprotection Method for Acidic Amide Auxiliary. <i>Organic Letters</i> , 2017, 19, 5860-5863.	2.4	9
14	Selective C( <i>sp</i> ) <sup>3</sup> $\hat{H}$ 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
15	Ligand-Enabled $\hat{I}^3$ -C(sp <sup>3</sup> ) $\hat{H}$ Cross-Coupling of Nosyl-Protected Amines with Aryl- and Alkylboron Reagents. <i>ACS Catalysis</i> , 2017, 7, 7777-7782.	5.5	43
16	Functionalized Polymer-Supported Pyridine Ligands for Palladium-Catalyzed C(sp <sup>3</sup> ) $\hat{H}$ Arylation. <i>ACS Catalysis</i> , 2016, 6, 5245-5250.	5.5	22
17	Ligand-Promoted <i>meta</i> -C $\hat{H}$ Amination and Alkynylation. <i>Journal of the American Chemical Society</i> , 2016, 138, 14092-14099.	6.6	172
18	Ligand-Promoted Borylation of C(sp <sup>3</sup> ) $\hat{H}$ Bonds with Palladium(II) Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 785-789.	7.2	119

#	ARTICLE	IF	CITATIONS
19	Ligand-Enabled $\text{C}(\text{sp}^3)\text{-H}$ Olefination of Amines: En Route to Pyrrolidines. <i>Journal of the American Chemical Society</i> , 2016, 138, 2055-2059.	6.6	123
20	Ligand-Promoted <i>ortho</i> - $\text{C}\text{I}\text{H}$ Amination with Pd Catalysts. <i>Angewandte Chemie</i> , 2015, 127, 2527-2530.	1.6	29
21	Ligand-Enabled Stereoselective $\text{C}(\text{sp}^3)\text{-H}$ Fluorination: Synthesis of Unnatural Enantiopure <i>anti</i> - $\text{I}^2$ -Fluoro- $\text{I}^\pm$ -amino Acids. <i>Journal of the American Chemical Society</i> , 2015, 137, 7067-7070.	6.6	137
22	Ligand-Enabled $\text{I}^2\text{-C}\text{H}$ Arylation of $\text{I}^\pm$ -Amino Acids Using a Simple and Practical Auxiliary. <i>Journal of the American Chemical Society</i> , 2015, 137, 3338-3351.	6.6	147
23	Ligand-Promoted <i>ortho</i> - $\text{C}\text{I}\text{H}$ Amination with Pd Catalysts. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2497-2500.	7.2	91
24	Palladium(0)/ $\text{PAr}_3$ -Catalyzed Intermolecular Amination of $\text{C}(\text{sp}^3)\text{I}\text{H}$ Bonds: Synthesis of $\text{I}^2$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6545-6549.	7.2	111
25	Ligand-Enabled Cross-Coupling of $\text{C}(\text{sp}^3)\text{-H}$ Bonds with Arylsilanes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4618-4621.	6.6	102
26	Ligand-Controlled $\text{C}(\text{sp}^3)\text{-H}$ Arylation and Olefination in Synthesis of Unnatural Chiral $\text{I}^\pm$ -Amino Acids. <i>Science</i> , 2014, 343, 1216-1220.	6.0	451
27	Ligand-Enabled Triple $\text{C}\text{I}\text{H}$ Activation Reactions: One-Pot Synthesis of Diverse 4-Aryl-2-quinolinones from Propionamides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6692-6695.	7.2	111
28	Ligand-Promoted Alkylation of $\text{C}(\text{sp}^3)\text{-H}$ and $\text{C}(\text{sp}^2)\text{-H}$ Bonds. <i>Journal of the American Chemical Society</i> , 2014, 136, 13194-13197.	6.6	145
29	Palladium(0)-Catalyzed Alkynylation of $\text{C}(\text{sp}^3)\text{-H}$ Bonds. <i>Journal of the American Chemical Society</i> , 2013, 135, 3387-3390.	6.6	191
30	Ligand-Enabled Methylene $\text{C}(\text{sp}^3)\text{-H}$ Bond Activation with a Pd(II) Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 18570-18572.	6.6	230
31	CuCl-catalyzed stereoselective conjugate addition of Grignard reagents to 2,3-allenoates. <i>Tetrahedron</i> , 2012, 68, 2719-2724.	1.0	4