

Gang He

List of Publications by Year in descending order

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papers

6,381
citations

76294

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95218

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#	ARTICLE	IF	CITATIONS
1	Nitrene-Mediated Pâ€N Coupling Under Iron Catalysis. <i>CCS Chemistry</i> , 2022, 4, 2258-2266.	4.6	17
2	Synthesis of ²â€Deoxyâ€C</i>-Glycosides</sup> via ² Iridiumâ€Catalyzed</sup> sp² and sp³ Câ€H Glycosylation with Unfunctionalized Glycals^{â€}. <i>Chinese Journal of Chemistry</i> , 2022, 40, 571-576.	2.6	21
3	Extendable stapling of unprotected peptides by crosslinking two amines with o-phthalaldehyde. <i>Nature Communications</i> , 2022, 13, 311.	5.8	22
4	Construction of Complex Macromulticyclic Peptides via Stitching with Formaldehyde and Guanidine. <i>Journal of the American Chemical Society</i> , 2022, 144, 10080-10090.	6.6	9
5	Ruthenium-Catalyzed Pyridine-Directed Aryl Câ€H Glycosylation with Glycosyl Chlorides. <i>Journal of Organic Chemistry</i> , 2022, 87, 8811-8818.	1.7	6
6	^{Pdâ€Catalyzed} <i>Ortho</i>-Directed</sup> Câ€H Glycosylation of Arenes Using Nâ€linked Bidentate Auxiliaries. <i>Chinese Journal of Chemistry</i> , 2021, 39, 571-576.	2.6	24
7	Cooperative Stapling of Native Peptides at Lysine and Tyrosine or Arginine with Formaldehyde. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6646-6652.	7.2	24
8	Streamlined construction of peptide macrocycles <i>via</i> palladium-catalyzed intramolecular <i>S</i>-arylation in solution and on DNA. <i>Chemical Science</i> , 2021, 12, 5804-5810.	3.7	41
9	Nitrene-mediated intermolecular Nâ€N coupling for efficient synthesis of hydrazides. <i>Nature Chemistry</i> , 2021, 13, 378-385.	6.6	65
10	Postassembly Modifications of Peptides via Metal-Catalyzed Câ€H Functionalization. <i>CCS Chemistry</i> , 2021, 3, 1797-1820.	4.6	61
11	Î²-Lactam Synthesis via Copper-Catalyzed Directed Aminoalkylation of Unactivated Alkenes with Cyclobutanone <i>O</i>-Benzoyloximes. <i>Organic Letters</i> , 2021, 23, 3620-3625.	2.4	16
12	Photoredox-Mediated Mono- and Difluorination of Remote Unactivated Methylene C(sp³)-Câ€H Bonds of <i>N</i>-Alkyl Sulfonamides. <i>Organic Letters</i> , 2021, 23, 3631-3635.	2.4	10
13	Total Synthesis of C-Î±-Mannosyl Tryptophan via Palladium-Catalyzed Câ€H Glycosylation. <i>CCS Chemistry</i> , 2021, 3, 1729-1736.	4.6	46
14	Palladium-Catalyzed <i>O</i>- and <i>N</i>-Glycosylation with Glycosyl Chlorides. <i>CCS Chemistry</i> , 2021, 3, 1821-1829.	4.6	20
15	Stereoselective Synthesis of <i>C</i>-Vinyl Glycosides via Palladiumâ€Catalyzed Câ€H Glycosylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19620-19625.	7.2	48
16	Stereoselective Synthesis of <i>C</i>-Vinyl Glycosides via Palladiumâ€Catalyzed Câ€H Glycosylation of Alkenes. <i>Angewandte Chemie</i> , 2021, 133, 19772-19777.	1.6	8
17	Construction of Peptide Macrocycles via Palladium-Catalyzed Multiple S-Arylation: An Effective Strategy to Expand the Structural Diversity of Cross-Linkers. <i>Organic Letters</i> , 2021, 23, 8001-8006.	2.4	11
18	Construction of Peptide Macrocycles via Radical-Mediated Intramolecular Câ€H Alkylations. <i>Organic Letters</i> , 2021, 23, 716-721.	2.4	10

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19	Enantioselective Alkylamination of Unactivated Alkenes under Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 1195-1202.	6.6	46
20	Asymmetric Synthesis of β -Lactam via Palladium-Catalyzed Enantioselective Intramolecular C(sp ³)-H Amidation. <i>ACS Catalysis</i> , 2020, 10, 114-120.	5.5	83
21	Palladium-Catalyzed Amide-Directed Hydrocarbofunctionalization of β -Alkenamides with Alkynes. <i>ACS Catalysis</i> , 2020, 10, 933-940.	5.5	52
22	Synthesis of Cyclophane-Braced Peptide Macrocycles via Palladium-Catalyzed Intramolecular C(sp ³)-H Arylation of α -N-Methyl Alanine at C-Termini. <i>Organic Letters</i> , 2020, 22, 6209-6213.	2.4	24
23	Synthesis of non-classical heteroaryl C-glycosides via Minisci-type alkylation of N-heteroarenes with 4-glycosyl-dihydropyridines. <i>Science China Chemistry</i> , 2020, 63, 1613-1618.	4.2	33
24	Construction of Cyclophane-Braced Peptide Macrocycles via Palladium-Catalyzed Picolinamide-Directed Intramolecular C(sp ²)-H Arylation. <i>Organic Letters</i> , 2020, 22, 6879-6883.	2.4	35
25	Palladium-catalyzed C-H glycosylation for synthesis of C-aryl glycosides. <i>Nature Catalysis</i> , 2019, 2, 793-800.	16.1	97
26	Minisci C-H alkylation of N-heteroarenes with aliphatic alcohols via β -scission of alkoxy radical intermediates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3205-3209.	2.3	36
27	Photoredox-mediated remote C(sp ³)-H heteroarylation of free alcohols. <i>Chemical Science</i> , 2019, 10, 688-693.	3.7	111
28	Palladium-Catalyzed Amide-Directed Enantioselective Carboboration of Unactivated Alkenes Using a Chiral Monodentate Oxazoline Ligand. <i>ACS Catalysis</i> , 2019, 9, 6502-6509.	5.5	74
29	Copper(I)-Catalyzed Enantioselective Intramolecular Aminotrifluoromethylation of α -O-Homoallyl Benzimidates. <i>Organic Letters</i> , 2019, 21, 4657-4661.	2.4	38
30	Construction of Natural-Product-Like Cyclophane-Braced Peptide Macrocycles via sp ³ C-H Arylation. <i>Journal of the American Chemical Society</i> , 2019, 141, 9401-9407.	6.6	108
31	Synthesis of reversible PAD4 inhibitors via copper-catalyzed C-H arylation of benzimidazole. <i>Science China Chemistry</i> , 2019, 62, 592-596.	4.2	4
32	Iridium-Catalyzed Enantioselective C(sp ³)-H Amidation Controlled by Attractive Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 7194-7201.	6.6	156
33	Photoredox-Mediated Remote C(sp ³)-H Heteroarylation of N-Alkyl Sulfonamides. <i>Journal of Organic Chemistry</i> , 2019, 84, 15777-15787.	1.7	22
34	Synthesis of 2,3-Fused Indoline Aminals via 4 + 2 Cycloaddition of NH-free Benzazetidines with Indoles. <i>Chinese Journal of Chemistry</i> , 2019, 37, 119-125.	2.6	14
35	Palladium-Catalyzed Amide-Directed Enantioselective Hydrocarbofunctionalization of Unactivated Alkenes Using a Chiral Monodentate Oxazoline Ligand. <i>Journal of the American Chemical Society</i> , 2018, 140, 3542-3546.	6.6	137
36	Radical C-H Arylation of Oxazoles with Aryl Iodides: dppe as an Electron-Transfer Mediator for Cs ₂ CO ₃ . <i>Organic Letters</i> , 2018, 20, 1684-1687.	2.4	22

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37	Photoredox-Mediated Minisci Alkylation of N-Heteroarenes using Carboxylic Acids and Hypervalent Iodine. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1307-1310.	1.3	49
38	Palladium-Catalyzed <i>ortho</i> -C-H Arylation of Benzaldehydes Using <i>ortho</i> -Sulfinyl Aniline as Transient Auxiliary. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2423-2426.	1.7	20
39	A general strategy for synthesis of cyclophane-braced peptide macrocycles via palladium-catalysed intramolecular sp ³ C-H arylation. <i>Nature Chemistry</i> , 2018, 10, 540-548.	6.6	180
40	Radical-mediated intramolecular \hat{I}^2 -C(sp ³)-H amidation of alkylimidates: facile synthesis of 1,2-amino alcohols. <i>Chemical Communications</i> , 2018, 54, 515-518.	2.2	46
41	Photoredox-Mediated Minisci-type Alkylation of N-Heteroarenes with Alkanes with High Methylene Selectivity. <i>ACS Catalysis</i> , 2018, 8, 11847-11853.	5.5	97
42	Pd(0)-Catalyzed Bidentate Auxiliary Directed Enantioselective Benzylic C-H Arylation of 3-Arylpropanamides Using the BINOL Phosphoramidite Ligand. <i>ACS Catalysis</i> , 2018, 8, 11502-11512.	5.5	47
43	Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp ³)-H Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 9678-9684.	6.6	49
44	Halogen-Bond-Promoted Photoactivation of Perfluoroalkyl Iodides: A Photochemical Protocol for Perfluoroalkylation Reactions. <i>Organic Letters</i> , 2017, 19, 1442-1445.	2.4	224
45	Iridium-Catalyzed <i>ortho</i> -C(sp ²)-H Amidation of Benzaldehydes with Organic Azides. <i>Journal of Organic Chemistry</i> , 2017, 82, 4497-4503.	1.7	53
46	A unified photoredox-catalysis strategy for C(sp ³)-H hydroxylation and amidation using hypervalent iodine. <i>Chemical Science</i> , 2017, 8, 7180-7185.	3.7	97
47	Palladium-catalyzed picolinamide-directed iodination of remote <i>ortho</i> -C-H bonds of arenes: Synthesis of tetrahydroquinolines. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1243-1249.	1.3	10
48	Photoredox-mediated Minisci C-H alkylation of N-heteroarenes using boronic acids and hypervalent iodine. <i>Chemical Science</i> , 2016, 7, 6407-6412.	3.7	272
49	An Enantioselective Bidentate Auxiliary Directed Palladium-Catalyzed Benzylic C-H Arylation of Amines Using a BINOL Phosphate Ligand. <i>Angewandte Chemie</i> , 2016, 128, 15613-15617.	1.6	46
50	Benzazetidone synthesis via palladium-catalysed intramolecular C-H amination. <i>Nature Chemistry</i> , 2016, 8, 1131-1136.	6.6	100
51	Correction: Photoredox-mediated Minisci C-H alkylation of N-heteroarenes using boronic acids and hypervalent iodine. <i>Chemical Science</i> , 2016, 7, 6573-6573.	3.7	1
52	An Enantioselective Bidentate Auxiliary Directed Palladium-Catalyzed Benzylic C-H Arylation of Amines Using a BINOL Phosphate Ligand. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15387-15391.	7.2	142
53	A visible-light-promoted radical reaction system for azidation and halogenation of tertiary aliphatic C-H bonds. <i>Chemical Science</i> , 2016, 7, 2679-2683.	3.7	159
54	Syntheses and Transformations of \hat{I}^{\pm} -Amino Acids via Palladium-Catalyzed Auxiliary-Directed sp ³ C-H Functionalization. <i>Accounts of Chemical Research</i> , 2016, 49, 635-645.	7.6	446

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55	Total Synthesis of Mannopectimycins $\hat{1}$ and $\hat{2}$. Journal of the American Chemical Society, 2016, 138, 3926-3932.	6.6	53
56	Synthesis of $\hat{2}$ -alkynyl $\hat{1}$ -amino acids via palladium-catalyzed alkyne-arylation of unactivated C(sp ³)-H bonds. Science China Chemistry, 2015, 58, 1345-1348.	4.2	28
57	Pd-Catalyzed Monoselective <i>ortho</i> -C-H Alkylation of <i>N</i> -Quinoly Benzamides: Evidence for Stereoretentive Coupling of Secondary Alkyl Iodides. Journal of the American Chemical Society, 2015, 137, 531-539.	6.6	152
58	Palladium-Catalyzed Stereoretentive Olefination of Unactivated C(sp ³)-H Bonds with Vinyl Iodides at Room Temperature: Synthesis of $\hat{2}$ -Vinyl $\hat{1}$ -Amino Acids. Organic Letters, 2014, 16, 6260-6263.	2.4	108
59	Total Synthesis of Hibispeptin A via Pd-Catalyzed C(sp ³)-H Arylation with Sterically Hindered Aryl Iodides. Organic Letters, 2014, 16, 6488-6491.	2.4	80
60	Palladium-Catalyzed Picolinamide-Directed Acetoxylation of Unactivated $\hat{3}$ -C(sp ³)-H Bonds of Alkylamines. Advanced Synthesis and Catalysis, 2014, 356, 1544-1548.	2.1	80
61	Palladium-catalyzed trifluoroacetate-promoted mono-arylation of the $\hat{2}$ -methyl group of alanine at room temperature: synthesis of $\hat{2}$ -arylated $\hat{1}$ -amino acids through sequential C-H functionalization. Chemical Science, 2014, 5, 3952.	3.7	124
62	Stereoselective Synthesis of $\hat{2}$ -Alkylated $\hat{1}$ -Amino Acids via Palladium-Catalyzed Alkylation of Unactivated Methylene C(sp ³)-H Bonds with Primary Alkyl Halides. Journal of the American Chemical Society, 2013, 135, 12135-12141.	6.6	315
63	Use of a Readily Removable Auxiliary Group for the Synthesis of Pyrrolidones by the Palladium-Catalyzed Intramolecular Amination of Unactivated $\hat{3}$ -C(sp ³)-H Bonds. Angewandte Chemie - International Edition, 2013, 52, 11124-11128.	7.2	275
64	Palladium-Catalyzed Picolinamide-Directed Alkylation of Unactivated C(sp ³)-H Bonds with Alkyl Iodides. Journal of the American Chemical Society, 2013, 135, 2124-2127.	6.6	357
65	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of C(sp ³)-H and C(sp ²)-H Bonds at $\hat{3}$ and $\hat{1}$ Positions. Journal of the American Chemical Society, 2012, 134, 3-6.	6.6	515
66	Improved Protocol for Indoline Synthesis via Palladium-Catalyzed Intramolecular C(sp ²)-H Amination. Organic Letters, 2012, 14, 2944-2947.	2.4	148
67	A Practical Strategy for the Structural Diversification of Aliphatic Scaffolds through the Palladium-Catalyzed Picolinamide-Directed Remote Functionalization of Unactivated C(sp ³)-H Bonds. Angewandte Chemie - International Edition, 2011, 50, 5192-5196.	7.2	365