

# Gang He

## List of Publications by Year in descending order

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67  
papers

6,381  
citations

76326

40  
h-index

95266

68  
g-index

69  
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69  
docs citations

69  
times ranked

3824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrene-Mediated Pâ€N Coupling Under Iron Catalysis. <i>CCS Chemistry</i> , 2022, 4, 2258-2266.	7.8	17
2	Synthesis of <sup>2</sup>â€Deoxyâ€C</i>â€Glycosides</sup> via <sup>2</sup> Iridiumâ€Catalyzed</sup> sp<sup>2</sup> and sp<sup>3</sup> Câ€H Glycosylation with Unfunctionalized Glycals<sup>â€</sup>. <i>Chinese Journal of Chemistry</i> , 2022, 40, 571-576.	4.9	21
3	Extendable stapling of unprotected peptides by crosslinking two amines with o-phthalaldehyde. <i>Nature Communications</i> , 2022, 13, 311.	12.8	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.	13.7	9
5	Ruthenium-Catalyzed Pyridine-Directed Aryl Câ€H Glycosylation with Glycosyl Chlorides. <i>Journal of Organic Chemistry</i> , 2022, 87, 8811-8818.	3.2	6
6	<sup>Pdâ€Catalyzed</sup> <i>Ortho</i>â€Directed</sup> Câ€H Glycosylation of Arenes Using Nâ€linked Bidentate Auxiliaries. <i>Chinese Journal of Chemistry</i> , 2021, 39, 571-576.	4.9	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.	13.8	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.	7.4	41
9	Nitrene-mediated intermolecular Nâ€N coupling for efficient synthesis of hydrazides. <i>Nature Chemistry</i> , 2021, 13, 378-385.	13.6	65
10	Postassembly Modifications of Peptides via Metal-Catalyzed Câ€H Functionalization. <i>CCS Chemistry</i> , 2021, 3, 1797-1820.	7.8	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.	4.6	16
12	Photoredox-Mediated Mono- and Difluorination of Remote Unactivated Methylene C(sp<sup>3</sup>)-â€H Bonds of <i>N</i>-Alkyl Sulfonamides. <i>Organic Letters</i> , 2021, 23, 3631-3635.	4.6	10
13	Total Synthesis of C-Î±-Mannosyl Tryptophan via Palladium-Catalyzed Câ€H Glycosylation. <i>CCS Chemistry</i> , 2021, 3, 1729-1736.	7.8	46
14	Palladium-Catalyzed <i>O</i>- and <i>N</i>-Glycosylation with Glycosyl Chlorides. <i>CCS Chemistry</i> , 2021, 3, 1821-1829.	7.8	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.	13.8	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.	2.0	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.	4.6	11
18	Construction of Peptide Macrocycles via Radical-Mediated Intramolecular Câ€H Alkylations. <i>Organic Letters</i> , 2021, 23, 716-721.	4.6	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.	13.7	46
20	Asymmetric Synthesis of $\beta$ -Lactam via Palladium-Catalyzed Enantioselective Intramolecular C(sp <sup>3</sup> )-H Amidation. <i>ACS Catalysis</i> , 2020, 10, 114-120.	11.2	83
21	Palladium-Catalyzed Amide-Directed Hydrocarbofunctionalization of $\beta$ -Alkenamides with Alkynes. <i>ACS Catalysis</i> , 2020, 10, 933-940.	11.2	52
22	Synthesis of Cyclophane-Braced Peptide Macrocycles via Palladium-Catalyzed Intramolecular C(sp <sup>3</sup> )-H Arylation of $\alpha$ -Methyl Alanine at C-Termini. <i>Organic Letters</i> , 2020, 22, 6209-6213.	4.6	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.	8.2	33
24	Construction of Cyclophane-Braced Peptide Macrocycles via Palladium-Catalyzed Picolinamide-Directed Intramolecular C(sp <sup>2</sup> )-H Arylation. <i>Organic Letters</i> , 2020, 22, 6879-6883.	4.6	35
25	Palladium-catalyzed C-H glycosylation for synthesis of C-aryl glycosides. <i>Nature Catalysis</i> , 2019, 2, 793-800.	34.4	97
26	Minisci C-H alkylation of N-heteroarenes with aliphatic alcohols via $\beta$ -scission of alkoxy radical intermediates. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3205-3209.	4.5	36
27	Photoredox-mediated remote C(sp <sup>3</sup> )-H heteroarylation of free alcohols. <i>Chemical Science</i> , 2019, 10, 688-693.	7.4	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.	11.2	74
29	Copper(I)-Catalyzed Enantioselective Intramolecular Aminotrifluoromethylation of $\alpha$ -O-Homoallyl Benzimidates. <i>Organic Letters</i> , 2019, 21, 4657-4661.	4.6	38
30	Construction of Natural-Product-Like Cyclophane-Braced Peptide Macrocycles via sp <sup>3</sup> C-H Arylation. <i>Journal of the American Chemical Society</i> , 2019, 141, 9401-9407.	13.7	108
31	Synthesis of reversible PAD4 inhibitors via copper-catalyzed C-H arylation of benzimidazole. <i>Science China Chemistry</i> , 2019, 62, 592-596.	8.2	4
32	Iridium-Catalyzed Enantioselective C(sp <sup>3</sup> )-H Amidation Controlled by Attractive Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 7194-7201.	13.7	156
33	Photoredox-Mediated Remote C(sp <sup>3</sup> )-H Heteroarylation of N-Alkyl Sulfonamides. <i>Journal of Organic Chemistry</i> , 2019, 84, 15777-15787.	3.2	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.	4.9	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.	13.7	137
36	Radical C-H Arylation of Oxazoles with Aryl Iodides: dppe as an Electron-Transfer Mediator for Cs <sub>2</sub> CO <sub>3</sub> . <i>Organic Letters</i> , 2018, 20, 1684-1687.	4.6	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.	2.7	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.	3.3	20
39	A general strategy for synthesis of cyclophane-braced peptide macrocycles via palladium-catalysed intramolecular sp <sup>3</sup> C-H arylation. <i>Nature Chemistry</i> , 2018, 10, 540-548.	13.6	180
40	Radical-mediated intramolecular $\hat{I}^2$ -C(sp <sup>3</sup> )-H amidation of alkylimidates: facile synthesis of 1,2-amino alcohols. <i>Chemical Communications</i> , 2018, 54, 515-518.	4.1	46
41	Photoredox-Mediated Minisci-type Alkylation of N-Heteroarenes with Alkanes with High Methylene Selectivity. <i>ACS Catalysis</i> , 2018, 8, 11847-11853.	11.2	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.	11.2	47
43	Epimerization of Tertiary Carbon Centers via Reversible Radical Cleavage of Unactivated C(sp <sup>3</sup> )-H Bonds. <i>Journal of the American Chemical Society</i> , 2018, 140, 9678-9684.	13.7	49
44	Halogen-Bond-Promoted Photoactivation of Perfluoroalkyl Iodides: A Photochemical Protocol for Perfluoroalkylation Reactions. <i>Organic Letters</i> , 2017, 19, 1442-1445.	4.6	224
45	Iridium-Catalyzed <i>ortho</i> -C(sp <sup>2</sup> )-H Amidation of Benzaldehydes with Organic Azides. <i>Journal of Organic Chemistry</i> , 2017, 82, 4497-4503.	3.2	53
46	A unified photoredox-catalysis strategy for C(sp <sup>3</sup> )-H hydroxylation and amidation using hypervalent iodine. <i>Chemical Science</i> , 2017, 8, 7180-7185.	7.4	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.	2.2	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.	7.4	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.	2.0	46
50	Benzazetidone synthesis via palladium-catalysed intramolecular C-H amination. <i>Nature Chemistry</i> , 2016, 8, 1131-1136.	13.6	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.	7.4	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.	13.8	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.	7.4	159
54	Syntheses and Transformations of $\hat{I}^{\pm}$ -Amino Acids via Palladium-Catalyzed Auxiliary-Directed sp <sup>3</sup> C-H Functionalization. <i>Accounts of Chemical Research</i> , 2016, 49, 635-645.	15.6	446

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55	Total Synthesis of Mannopectimycins $\hat{1}\pm$ and $\hat{1}^2$ . Journal of the American Chemical Society, 2016, 138, 3926-3932.	13.7	53
56	Synthesis of $\hat{1}^2$ -alkynyl $\hat{1}\pm$ -amino acids via palladium-catalyzed alkyne-alkylation of unactivated C(sp <sup>3</sup> )-H bonds. Science China Chemistry, 2015, 58, 1345-1348.	8.2	28
57	Pd-Catalyzed Monoselective <i>ortho</i> -C-H Alkylation of <i>N</i> -Quinoyl Benzamides: Evidence for Stereoretentive Coupling of Secondary Alkyl Iodides. Journal of the American Chemical Society, 2015, 137, 531-539.	13.7	152
58	Palladium-Catalyzed Stereoretentive Olefination of Unactivated C(sp <sup>3</sup> )-H Bonds with Vinyl Iodides at Room Temperature: Synthesis of $\hat{1}^2$ -Vinyl $\hat{1}\pm$ -Amino Acids. Organic Letters, 2014, 16, 6260-6263.	4.6	108
59	Total Synthesis of Hibispeptin A via Pd-Catalyzed C(sp <sup>3</sup> )-H Arylation with Sterically Hindered Aryl Iodides. Organic Letters, 2014, 16, 6488-6491.	4.6	80
60	Palladium-Catalyzed Picolinamide-Directed Acetoxylation of Unactivated $\hat{1}^3$ -C(sp <sup>3</sup> )-H Bonds of Alkylamines. Advanced Synthesis and Catalysis, 2014, 356, 1544-1548.	4.3	80
61	Palladium-catalyzed trifluoroacetate-promoted mono-arylation of the $\hat{1}^2$ -methyl group of alanine at room temperature: synthesis of $\hat{1}^2$ -arylated $\hat{1}\pm$ -amino acids through sequential C-H functionalization. Chemical Science, 2014, 5, 3952.	7.4	124
62	Stereoselective Synthesis of $\hat{1}^2$ -Alkylated $\hat{1}\pm$ -Amino Acids via Palladium-Catalyzed Alkylation of Unactivated Methylene C(sp <sup>3</sup> )-H Bonds with Primary Alkyl Halides. Journal of the American Chemical Society, 2013, 135, 12135-12141.	13.7	315
63	Use of a Readily Removable Auxiliary Group for the Synthesis of Pyrrolidones by the Palladium-Catalyzed Intramolecular Amination of Unactivated $\hat{1}^3$ -C(sp <sup>3</sup> )-H Bonds. Angewandte Chemie - International Edition, 2013, 52, 11124-11128.	13.8	275
64	Palladium-Catalyzed Picolinamide-Directed Alkylation of Unactivated C(sp <sup>3</sup> )-H Bonds with Alkyl Iodides. Journal of the American Chemical Society, 2013, 135, 2124-2127.	13.7	357
65	Highly Efficient Syntheses of Azetidines, Pyrrolidines, and Indolines via Palladium Catalyzed Intramolecular Amination of C(sp <sup>3</sup> )-H and C(sp <sup>2</sup> )-H Bonds at $\hat{1}^3$ and $\hat{1}$ Positions. Journal of the American Chemical Society, 2012, 134, 3-6.	13.7	515
66	Improved Protocol for Indoline Synthesis via Palladium-Catalyzed Intramolecular C(sp <sup>2</sup> )-H Amination. Organic Letters, 2012, 14, 2944-2947.	4.6	148
67	A Practical Strategy for the Structural Diversification of Aliphatic Scaffolds through the Palladium-Catalyzed Picolinamide-Directed Remote Functionalization of Unactivated C(sp <sup>3</sup> )-H Bonds. Angewandte Chemie - International Edition, 2011, 50, 5192-5196.	13.8	365