

# Dongbing Zhao

## List of Publications by Year in descending order

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48  
papers

3,617  
citations

172207

29  
h-index

174990

52  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt(III)-Catalyzed Directed C <sub>5</sub> H Coupling with Diazo Compounds: Straightforward Access towards Extended $\pi$ -Systems. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4508-4511.	7.2	312
2	Proton Insertion Chemistry of a Zinc-Organic Battery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4920-4924.	7.2	303
3	Recent Progress in Coupling of Two Heteroarenes. <i>Chemistry - A European Journal</i> , 2011, 17, 5466-5492.	1.7	293
4	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3296-3300.	7.2	282
5	Cu-Catalyzed Direct C6-Arylation of Indoles. <i>Journal of the American Chemical Society</i> , 2016, 138, 8734-8737.	6.6	199
6	Synthesis of Phenol, Aromatic Ether, and Benzofuran Derivatives by Copper-Catalyzed Hydroxylation of Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8729-8732.	7.2	165
7	Chelation-assisted Rh(III)-catalyzed C2-selective oxidative C-H/C-H cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013, 4, 1964.	3.7	131
8	A General Method to Diverse Cinnolines and Cinnolinium Salts. <i>Chemistry - A European Journal</i> , 2013, 19, 6239-6244.	1.7	127
9	Copper-catalyzed decarboxylative cross-coupling of alkynyl carboxylic acids with aryl halides. <i>Chemical Communications</i> , 2010, 46, 9049.	2.2	119
10	Regiospecific Synthesis of 1,2-Disubstituted (Hetero)aryl Fused Imidazoles with Tunable Fluorescent Emission. <i>Organic Letters</i> , 2011, 13, 6516-6519.	2.4	105
11	Phosphine-Free, Palladium-Catalyzed Arylation of Heterocycles through C <sub>5</sub> H Bond Activation with Pivalic Acid as a Cocatalyst. <i>Chemistry - A European Journal</i> , 2009, 15, 1337-1340.	1.7	96
12	Nickel(0)-catalyzed linear-selective hydroarylation of unactivated alkenes and styrenes with aryl boronic acids. <i>Chemical Science</i> , 2018, 9, 6839-6843.	3.7	90
13	Regiospecific N-Heteroarylation of Amidines for Full-Color-Tunable Boron Difluoride Dyes with Mechanochromic Luminescence. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13676-13680.	7.2	88
14	Nickel-catalyzed intermolecular oxidative Heck arylation driven by transfer hydrogenation. <i>Nature Communications</i> , 2019, 10, 5025.	5.8	73
15	Proton Insertion Chemistry of a Zinc-Organic Battery. <i>Angewandte Chemie</i> , 2020, 132, 4950-4954.	1.6	71
16	Rhodium-Catalyzed 2-Arylphenol-Derived Six-Membered Silacyclization: Straightforward Access toward Dibenzooxasilines and Silicon-Containing Planar Chiral Metallocenes. <i>ACS Catalysis</i> , 2018, 8, 7997-8005.	5.5	64
17	Intermolecular $\sigma$ -Bond Cross-Exchange Reaction between Cyclopropenones and (Benzo)silacyclobutanes: Straightforward Access towards Sila(benzo)cycloheptenones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6329-6332.	7.2	63
18	Three-component vicinal-diarylation of alkenes via direct transmetalation of arylboronic acids. <i>Chemical Science</i> , 2019, 10, 7952-7957.	3.7	63

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19	Plasmon-Enhanced Deuteration under Visible-Light Irradiation. <i>ACS Nano</i> , 2019, 13, 10754-10760.	7.3	49
20	<i>In situ</i> construction of graphdiyne/CuS heterostructures for efficient hydrogen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2019, 3, 821-828.	3.2	47
21	Recent advances in the design of dopant-free hole transporting materials for highly efficient perovskite solar cells. <i>Chinese Chemical Letters</i> , 2018, 29, 219-231.	4.8	45
22	Nickel(0)-Catalyzed Asymmetric Ring Expansion Toward Enantioenriched Silicon-Stereogenic Benzosiloles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25723-25728.	7.2	43
23	Modular Synthesis of Pentagonal and Hexagonal Ring-Fused NBN-Phenalenones Leading to an Excited-State Aromatization-Induced Structural Planarization Molecular Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 5903-5916.	6.6	41
24	A ring expansion strategy towards diverse azaheterocycles. <i>Nature Chemistry</i> , 2021, 13, 1006-1016.	6.6	41
25	Synthesis of Silicon-Stereogenic Silanols Involving Iridium-Catalyzed Enantioselective C-H Silylation Leading to a New Ligand Scaffold. <i>ACS Catalysis</i> , 2021, 11, 10748-10753.	5.5	38
26	Ring Expansion to 6-, 7-, and 8-Membered Benzosilacycles through Strain-Release Silicon-Based Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8481-8485.	7.2	34
27	Divergent Synthesis of Vinyl-, Benzyl-, and Borylsilanes: Aryl to Alkyl 1,5-Palladium Migration/Coupling Sequences. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6555-6560.	7.2	30
28	Silicon and oxygen synergistic effects for the discovery of new high-performance nonfullerene acceptors. <i>Nature Communications</i> , 2020, 11, 5814.	5.8	29
29	Rhodium(III) vs. cobalt(III): a mechanistically distinct three-component C-H bond addition cascade using a Cp*Rh(III) catalyst. <i>Chemical Communications</i> , 2019, 55, 695-698.	2.2	28
30	Nickel(0)-catalyzed divergent reactions of silacyclobutanes with internal alkynes. <i>Nature Communications</i> , 2022, 13, .	5.8	28
31	Intermolecular C-H Bond Cross-Exchange Reaction between Cyclopropenones and (Benzo)silacyclobutanes: Straightforward Access towards Sila(benzo)cycloheptenones. <i>Angewandte Chemie</i> , 2018, 130, 6437-6440.	1.6	23
32	Rhodanine-based nonfullerene acceptors for organic solar cells. <i>Science China Materials</i> , 2019, 62, 1574-1596.	3.5	19
33	Bis-silylation of internal alkynes enabled by Ni(0) catalysis. <i>Nature Communications</i> , 2021, 12, 68.	5.8	18
34	C(sp <sup>3</sup> )-H Bond Arylation and Amidation of Si-Bound Methyl Group via Directing Group Strategy. <i>ACS Catalysis</i> , 2019, 9, 6020-6026.	5.5	17
35	Silacyclization through palladium-catalyzed intermolecular silicon-based C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) cross-coupling. <i>Chemical Science</i> , 2021, 12, 14224-14229.	3.7	16
36	Revisiting the Dithienophthalimide Building Block: Improved Synthetic Method Yielding New High-Performance Polymer Donors for Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16

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37	Ring Expansion to 8-Membered Silacycles through Formal Cross-Dimerization of 5-Membered Palladacycles with Silacyclobutanes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3039-3042.	1.2	14
38	Nickel(0)-Catalyzed Asymmetric Ring Expansion Toward Enantioenriched Silicon-Stereogenic Benzosiloles. <i>Angewandte Chemie</i> , 0, .	1.6	13
39	Recent Progress in $\sigma$ -Bond Cross-Exchange Reactions to Access Diverse Silacycles. <i>Synlett</i> , 2018, 29, 2595-2600.	1.0	11
40	Ring Expansion to 6-, 7-, and 8-Membered Benzosilacycles through Strain-Release Silicon-Based Cross-Coupling. <i>Angewandte Chemie</i> , 2020, 132, 8559-8563.	1.6	6
41	Revisiting the Dithienophthalimide Building Block: Improved Synthetic Method Yielding New High-Performance Polymer Donors for Organic Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
42	Divergent Synthesis of Vinyl-, Benzyl-, and Borylsilanes: Aryl to Alkyl 1,5-Palladium Migration/Coupling Sequences. <i>Angewandte Chemie</i> , 2020, 132, 6617-6622.	1.6	5
43	Spatiotemporal Quantification of Endosomal Acidification on the Viral Journey. <i>Small</i> , 2022, 18, e2104200.	5.2	5
44	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4884-4884.	7.2	4
45	Controlled Assembly of Conjugated Ladder Molecules with Different Bridging Structures toward Optoelectronic Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50197-50205.	4.0	3
46	Desilylative Coupling Involving C(sp <sup>2</sup> )-Si Bond Cleavage on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2022, 144, 8789-8796.	6.6	2
47	Divergent synthesis of 3-substituted thieno[3,4- <i>b</i> ]thiophene derivatives via hydroxy-based transformations. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1422-1426.	3.2	1
48	Materials chemistry at Nankai University: A special issue dedicated to the 100th anniversary of Nankai University. <i>Science China Materials</i> , 2019, 62, 1505-1506.	3.5	0