

Dongbing Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

2,618
citations

24
h-index

51
g-index

57
ext. papers

3,107
ext. citations

9.9
avg, IF

5.5
L-index

#	Paper	IF	Citations
49	Spatiotemporal Quantification of Endosomal Acidification on the Viral Journey. <i>Small</i> , 2021 , e2104200	11	0
48	Silacyclization through palladium-catalyzed intermolecular silicon-based C(sp)-C(sp) cross-coupling. <i>Chemical Science</i> , 2021 , 12, 14224-14229	9.4	2
47	Controlled Assembly of Conjugated Ladder Molecules with Different Bridging Structures toward Optoelectronic Application. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50197-50205	9.5	0
46	Modular Synthesis of Pentagonal and Hexagonal Ring-Fused NBN-Phenalenenes Leading to an Excited-State Aromatization-Induced Structural Planarization Molecular Library. <i>Journal of the American Chemical Society</i> , 2021 , 143, 5903-5916	16.4	15
45	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	3.2	3
44	Bis-silylation of internal alkynes enabled by Ni(0) catalysis. <i>Nature Communications</i> , 2021 , 12, 68	17.4	6
43	A ring expansion strategy towards diverse azaheterocycles. <i>Nature Chemistry</i> , 2021 , 13, 1006-1016	17.6	7
42	Synthesis of Silicon-Stereogenic Silanols Involving Iridium-Catalyzed Enantioselective C≡C Silylation Leading to a New Ligand Scaffold. <i>ACS Catalysis</i> , 2021 , 11, 10748-10753	13.1	5
41	Nickel(0)-Catalyzed Asymmetric Ring Expansion Toward Enantioenriched Silicon-Stereogenic Benzosiloles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25723-25728	16.4	6
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	3.6	3
39	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	16.4	12
38	Proton Insertion Chemistry of a Zinc-Organic Battery. <i>Angewandte Chemie</i> , 2020 , 132, 4950-4954	3.6	29
37	Divergent Synthesis of Vinyl-, Benzyl-, and Borylsilanes: Aryl to Alkyl 1,5-Palladium Migration/Coupling Sequences. <i>Angewandte Chemie</i> , 2020 , 132, 6617-6622	3.6	3
36	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	16.4	14
35	Proton Insertion Chemistry of a Zinc-Organic Battery. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4920-4924	16.4	134
34	Silicon and oxygen synergistic effects for the discovery of new high-performance nonfullerene acceptors. <i>Nature Communications</i> , 2020 , 11, 5814	17.4	21
33	Plasmon-Enhanced Deuteration under Visible-Light Irradiation. <i>ACS Nano</i> , 2019 , 13, 10754-10760	16.7	40

32	Rhodium(III) vs. cobalt(III): a mechanistically distinct three-component C-H bond addition cascade using a Cp*Rh catalyst. <i>Chemical Communications</i> , 2019 , 55, 695-698	5.8	18
31	C(sp ³) σ Bond Arylation and Amidation of Si-Bound Methyl Group via Directing Group Strategy. <i>ACS Catalysis</i> , 2019 , 9, 6020-6026	13.1	7
30	Divergent synthesis of 3-substituted thieno[3,4-b]thiophene derivatives via hydroxy-based transformations. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1422-1426	7.8	1
29	In situ construction of graphdiyne/CuS heterostructures for efficient hydrogen evolution reaction. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 821-828	7.8	24
28	Rhodanine-based nonfullerene acceptors for organic solar cells. <i>Science China Materials</i> , 2019 , 62, 1574-1596	15.96	13
27	Three-component vicinal-diarylation of alkenes direct transmetalation of arylboronic acids. <i>Chemical Science</i> , 2019 , 10, 7952-7957	9.4	33
26	Nickel-catalyzed intermolecular oxidative Heck arylation driven by transfer hydrogenation. <i>Nature Communications</i> , 2019 , 10, 5025	17.4	42
25	Intermolecular σ Bond Cross-Exchange Reaction between Cyclopropenones and (Benzo)silacyclobutanes: Straightforward Access towards Sila(benzo)cycloheptenones. <i>Angewandte Chemie</i> , 2018 , 130, 6437-6440	3.6	16
24	Intermolecular σ 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	16.4	35
23	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	8.1	32
22	Nickel(0)-catalyzed linear-selective hydroarylation of unactivated alkenes and styrenes with aryl boronic acids. <i>Chemical Science</i> , 2018 , 9, 6839-6843	9.4	68
21	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	13.1	37
20	Recent Progress in σ Bond Cross-Exchange Reactions to Access Diverse Silacycles. <i>Synlett</i> , 2018 , 29, 2595-2600	26.00	7
19	Cu-Catalyzed Direct C6-Arylation of Indoles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8734-7	16.4	166
18	Cobalt(III)-catalyzed directed C-H coupling with diazo compounds: straightforward access towards extended σ systems. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4508-11	16.4	291
17	Chelation-assisted Rh(III)-catalyzed C2-selective oxidative C σ /C σ cross-coupling of indoles/pyrroles with heteroarenes. <i>Chemical Science</i> , 2013 , 4, 1964	9.4	123
16	A general method to diverse cinnolines and cinnolinium salts. <i>Chemistry - A European Journal</i> , 2013 , 19, 6239-44	4.8	114
15	Regiospecific N-heteroarylation of amidines for full-color-tunable boron difluoride dyes with mechanochromic luminescence. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13676-80	16.4	80

14	Regiospecific N-Heteroarylation of Amidines for Full-Color-Tunable Boron Difluoride Dyes with Mechanochromic Luminescence. <i>Angewandte Chemie</i> , 2013 , 125, 13921-13925	3.6	16
13	Regiospecific synthesis of 1,2-disubstituted (hetero)aryl fused imidazoles with tunable fluorescent emission. <i>Organic Letters</i> , 2011 , 13, 6516-9	6.2	96
12	Palladium-Catalyzed Oxidative C ² H/C ³ H Cross-Coupling of Indoles and Pyrroles with Heteroarenes. <i>Angewandte Chemie</i> , 2011 , 123, 5477-5481	3.6	57
11	Recent progress in coupling of two heteroarenes. <i>Chemistry - A European Journal</i> , 2011 , 17, 5466-92	4.8	272
10	Copper-catalyzed decarboxylative cross-coupling of alkynyl carboxylic acids with aryl halides. <i>Chemical Communications</i> , 2010 , 46, 9049-51	5.8	105
9	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie</i> , 2009 , 121, 3346-3350	3.6	90
8	Phosphine-free, palladium-catalyzed arylation of heterocycles through C-H bond activation with pivalic acid as a cocatalyst. <i>Chemistry - A European Journal</i> , 2009 , 15, 1337-40	4.8	83
7	Synthesis of Phenol, Aromatic Ether, and Benzofuran Derivatives by Copper-Catalyzed Hydroxylation of Aryl Halides. <i>Angewandte Chemie</i> , 2009 , 121, 8885-8888	3.6	37
6	Copper-Catalyzed Direct C Arylation of Heterocycles with Aryl Bromides: Discovery of Fluorescent Core Frameworks. <i>Angewandte Chemie</i> , 2009 , 121, 4980-4980	3.6	2
5	Copper-catalyzed direct C arylation of heterocycles with aryl bromides: discovery of fluorescent core frameworks. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3296-300	16.4	269
4	Synthesis of phenol, aromatic ether, and benzofuran derivatives by copper-catalyzed hydroxylation of aryl halides. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8729-32	16.4	150
3	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	16.4	4
2	Self-Assembled Bifunctional Catalysis Induced by Metal Coordination Interactions: An Exceptionally Efficient Approach to Enantioselective Hydrophosphonylation. <i>Angewandte Chemie</i> , 2008 , 120, 5728-5731	3.6	25
1	Nickel(0)-Catalyzed Asymmetric Ring Expansion Toward Enantioenriched Silicon-Stereogenic Benzosiloles. <i>Angewandte Chemie</i> ,	3.6	1