

Huiying Zeng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cleavage [^] -cross-coupling strategy for converting β -O-4 linkage lignin model compounds into high valued benzyl amines via dual C [^] -O bond cleavage. Chinese Chemical Letters, 2022, 33, 1519-1523.	9.0	15
2	Visible-light-induced transition metal and photosensitizer free decarbonylative addition of amino-arylaldehydes to ketones. Chemical Science, 2022, 13, 698-703.	7.4	9
3	Base-Promoted Catalyst-Free Regioselective Hydroacylation of Styrenes with Hydrazones via Carbanion Addition. CCS Chemistry, 2022, 4, 3254-3263.	7.8	3
4	Light-driven transition-metal-free direct decarbonylation of unstrained diaryl ketones via a dual C [^] -C bond cleavage. Nature Communications, 2022, 13, 1805.	12.8	9
5	Visible-light induced transition-metal and photosensitizer-free conversion of aldehydes to acyl fluorides under mild conditions. Green Synthesis and Catalysis, 2022, 3, 373-376.	6.8	9
6	Visible-light-induced cross-coupling of aryl iodides with hydrazones <i>via</i> an EDA-complex. Chemical Science, 2022, 13, 7165-7171.	7.4	15
7	Dearomatization [^] Rearomatization Strategy for <i>ortho</i> -selective Alkylation of Phenols with Primary Alcohols. Angewandte Chemie - International Edition, 2021, 60, 4043-4048.	13.8	33
8	Dearomatization [^] Rearomatization Strategy for <i>ortho</i> -selective Alkylation of Phenols with Primary Alcohols. Angewandte Chemie, 2021, 133, 4089-4094.	2.0	20
9	Photo-induced transition-metal and external photosensitizer-free organic reactions. Organic Chemistry Frontiers, 2021, 8, 3594-3613.	4.5	37
10	Photoinduced transition-metal and external photosensitizer free cross-coupling of aryl triflates with trialkyl phosphites. Chemical Communications, 2021, 57, 8429-8432.	4.1	13
11	C(sp ³) [^] C(sp ³) bond formation via nickel-catalyzed deoxygenative homo-coupling of aldehydes/ketones mediated by hydrazine. Nature Communications, 2021, 12, 3729.	12.8	18
12	Photoinduced transition-metal and external photosensitizer free phosphonation of unactivated C(sp ²) [^] F bond via SET process under mild conditions. Fundamental Research, 2021, 1, 742-746.	3.3	11
13	Photo-induced transition-metal and photosensitizer free cross-coupling of aryl halides with disulfides. Green Synthesis and Catalysis, 2021, 2, 303-306.	6.8	43
14	Light-driven MPV-type reduction of aryl ketones/aldehydes to alcohols with isopropanol under mild conditions. Green Chemistry, 2021, 23, 7539-7543.	9.0	13
15	Palladium-catalyzed aerobic synthesis of <i>ortho</i> -substituted phenols from cyclohexanones and primary alcohols. Chemical Communications, 2020, 56, 1239-1242.	4.1	22
16	Light-Driven Metal-Free Direct Deoxygenation of Alcohols under Mild Conditions. IScience, 2020, 23, 101419.	4.1	20
17	Coupling without Coupling Reactions: En Route to Developing Phenols as Sustainable Coupling Partners via Dearomatization [^] Rearomatization Processes. Accounts of Chemical Research, 2020, 53, 2395-2413.	15.6	53
18	Photoinduced transition-metal- and external-photosensitizer-free intramolecular aryl rearrangement via C(Ar) [^] O bond cleavage. Chemical Science, 2020, 11, 5740-5744.	7.4	29

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19	Photoinduced catalyst-free deborylation ¹⁶ deuteration of arylboronic acids with D ₂ O. <i>Green Chemistry</i> , 2020, 22, 6323-6327.	9.0	26
20	Dearomatization ¹⁶ Rearomatization Strategy for Synthesizing Carbazoles with 2,2'-Biphenols and Ammonia by Dual C(Ar)-OH Bond Cleavages. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13200-13205.	5.2	15
21	Construction of Spirocyclic Tetrahydro-1 ² -carbolines via Cross-Annulation of Phenols with Tryptamines in Water. <i>Organic Letters</i> , 2019, 21, 7033-7037.	4.6	29
22	Umpolung cross-coupling of polyfluoroarenes with hydrazones <i>via</i> activation of C-F bonds. <i>Chemical Communications</i> , 2019, 55, 9323-9326.	4.1	21
23	Metal-Free Construction of the C(sp ³) ³ CF ₃ Bond: Trifluoromethylation of Hydrazones with Togni's Reagent under Mild Conditions. <i>Organic Letters</i> , 2019, 21, 5948-5951.	4.6	19
24	Hydrogen bonding promoted simple and clean photo-induced reduction of C-X bond with isopropanol. <i>Chemical Communications</i> , 2019, 55, 767-770.	4.1	32
25	An Old Dog with New Tricks: Enjoin Wolff-Kishner Reduction for Alcohol Deoxygenation and C-C Bond Formations. <i>Synlett</i> , 2019, 30, 1508-1524.	1.8	38
26	Dearomatization ¹⁶ Rearomatization Strategy for Reductive Cross-Coupling of Indoles with Ketones in Water. <i>Organic Letters</i> , 2019, 21, 2302-2306.	4.6	38
27	Photoinduced Transition-Metal-Free Cross-Coupling of Aryl Halides with H-Phosphonates. <i>Organic Letters</i> , 2019, 21, 1301-1305.	4.6	74
28	Two ¹⁶ One Strategy for Palladium-Catalyzed C-H Functionalization in Water. <i>Angewandte Chemie</i> , 2019, 131, 2885-2889.	2.0	9
29	Two ¹⁶ One Strategy for Palladium-Catalyzed C-H Functionalization in Water. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2859-2863.	13.8	50
30	Conversion of Lignin into High Value Chemical Products. , 2019, , 385-403.		2
31	Palladium-Catalyzed Formal Cross-Coupling of Diaryl Ethers with Amines: Slicing the 4-O ⁵ Linkage in Lignin Models. <i>Angewandte Chemie</i> , 2018, 130, 3814-3819.	2.0	37
32	Palladium-Catalyzed Formal Cross-Coupling of Diaryl Ethers with Amines: Slicing the 4-O ⁵ Linkage in Lignin Models. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3752-3757.	13.8	90
33	Ruthenium-catalyzed umpolung carboxylation of hydrazones with CO ₂ . <i>Chemical Science</i> , 2018, 9, 4873-4878.	7.4	62
34	Formal Cross-Coupling of Diaryl Ethers with Ammonia by Dual C(Ar)-O Bond Cleavages. <i>ACS Catalysis</i> , 2018, 8, 8873-8878.	11.2	50
35	Conversion of Lignin into High Value Chemical Products. , 2018, , 1-20.		0
36	C-C Bond Formation by Oxidative Ring-Opening Homocoupling of Cyclobutanols. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1070-1073.	2.4	20

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37	An Adventure in Sustainable Cross-Coupling of Phenols and Derivatives via Carbon–Oxygen Bond Cleavage. <i>ACS Catalysis</i> , 2017, 7, 510-519.	11.2	193
38	Formal Direct Cross-Coupling of Phenols with Amines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14487-14491.	13.8	157
39	Rhodium(I)-Catalyzed Regiospecific Dimerization of Aromatic Acids: Two Direct C–H Bond Activations in Water. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5718-5721.	13.8	91
40	Photo-induced Metal-Catalyst-Free Aromatic Finkelstein Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 8328-8331.	13.7	157
41	Biomimetic Total Synthesis of 6a,7,8,9,10,10a-Hexahydro-3,6,9-trimethyl-6-(4-methylpent-3-en-1-yl)-1,9-epoxy-6H-dibenzo-[b,d]pyran and Its Diastereoisomer. <i>Synlett</i> , 2015, 26, 927-930.	1.8	2
42	Palladium-catalyzed reductive coupling of phenols with anilines and amines: efficient conversion of phenolic lignin model monomers and analogues to cyclohexylamines. <i>Chemical Science</i> , 2015, 6, 4174-4178.	7.4	139
43	Silver(I) as a widely applicable, homogeneous catalyst for aerobic oxidation of aldehydes toward carboxylic acids in water – silver mirror. From stoichiometric to catalytic. <i>Science Advances</i> , 2015, 1, e1500020.	10.3	85
44	A Complete Switch of the Directional Selectivity in the Annulation of 2-Hydroxybenzaldehydes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13862-13865.	13.8	46
45	Dearomatization–Rearomatization Strategy for Palladium-Catalyzed C–N Cross-Coupling Reactions. <i>Synlett</i> , 0, 32, .	1.8	3