

Biaolin Yin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recent Developments in Transition Metal-Catalyzed Dearomative Cyclizations of Indoles as Dipolarophiles for the Construction of Indolines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 405-425.	4.3	145
2	A Novel Entry to Functionalized Benzofurans and Indoles via Palladium(0)-Catalyzed Arylative Dearomatization of Furans. <i>Organic Letters</i> , 2012, 14, 1098-1101.	4.6	63
3	Diastereospecific and Enantioselective Access to Dispirooxindoles from Furfurylcyclobutanols by Means of a Pd-Catalyzed Arylative Dearomatization/Ring Expansion Cascade. <i>Organic Letters</i> , 2016, 18, 6440-6443.	4.6	53
4	Facile Synthesis of 3a,6a-Dihydro-furo[2,3-b]furans and Polysubstituted Furans Involving Dearomatization of Furan Ring via Electrocyclic Ring-Closure. <i>Organic Letters</i> , 2012, 14, 616-619.	4.6	51
5	Palladium-catalyzed dearomatizing 2,5-alkoxyarylation of furan rings: diastereospecific access to spirooxindoles. <i>Chemical Communications</i> , 2016, 52, 9550-9553.	4.1	45
6	Practical access to spiroacetal enol ethers via nucleophilic dearomatization of 2-furylmethylenepalladium halides generated by Pd-catalyzed coupling of furfural tosylhydrazones with aryl halides. <i>Chemical Communications</i> , 2014, 50, 8113.	4.1	38
7	Synthesis, Skeletal Rearrangement, and Biological Activities of Spirooxindoles: Exploration of a Stepwise Pincatelli Rearrangement. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 338-349.	2.4	33
8	Regioselective and Stereoselective Pd-Catalyzed Intramolecular Arylation of Furans: Access to Spirooxindoles and 5-Hydroxy-furo[2,3-c]quinolin-4-ones. <i>Journal of Organic Chemistry</i> , 2016, 81, 9695-9706.	3.2	32
9	Access to polysubstituted indoles or benzothiophenes via palladium-catalyzed cross-coupling of furfural tosylhydrazones with 2-iodoanilines or 2-iodothiophenols. <i>Chemical Communications</i> , 2015, 51, 6126-6129.	4.1	31
10	2,5-Oxyarylation of Furans: Synthesis of Spiroacetals via Palladium-Catalyzed Aerobic Oxidative Coupling of Boronic Acids with α -Hydroxyalkylfurans. <i>Organic Letters</i> , 2016, 18, 3226-3229.	4.6	31
11	Cu(II)-Promoted Transformations of α -Thienylcarbinols into Spirothienooxindoles: Regioselective Halogenation of Dienyl Sulfethers Containing Electron-Rich Aryl Rings. <i>Journal of Organic Chemistry</i> , 2012, 77, 6365-6370.	3.2	30
12	Pd-catalyzed regioselective intramolecular direct arylation of 3-indolecarboxamides: access to spiro-indoline-3,3-dioxindoles and 5,11-dihydro-6H-indolo[3,2-c]quinolin-6-ones. <i>Chemical Communications</i> , 2017, 53, 7796-7799.	4.1	30
13	Synthesis of a multifunctional bisphosphate and its flame retardant application in epoxy resin. <i>Polymer Degradation and Stability</i> , 2019, 165, 92-100.	5.8	30
14	Selective hydrogenation of nitriles to imines over a multifunctional heterogeneous Pt catalyst. <i>AICHE Journal</i> , 2014, 60, 3565-3576.	3.6	29
15	Access to Polycyclic Sulfonyl Indolines via Fe(II)-Catalyzed or UV-Driven Formal [2 + 2 + 1] Cyclization Reactions of N-((1H-indol-3-yl)methyl)propiolamides with NaHSO ₃ . <i>Organic Letters</i> , 2019, 21, 2602-2605.	4.6	27
16	Copper Chloride-Catalyzed Aerobic Oxidative Annulation of N-Furfuryl-Enaminones: Access to Polysubstituted Pyrroles and Indoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 727-731.	4.3	26
17	Synthesis of Spiro-lactams and Polysubstituted Pyrroles via Ceric Ammonium Nitrate-Mediated Oxidative Cyclization of N-Furan-2-ylmethyl-Enaminones. <i>Journal of Organic Chemistry</i> , 2016, 81, 4939-4946.	3.2	26
18	Aerobic oxidative α -arylation of furans with boronic acids via Pd-catalyzed C-C bond cleavage of primary furfuryl alcohols: sustainable access to arylfurans. <i>Chemical Communications</i> , 2017, 53, 12217-12220.	4.1	26

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19	Base-Mediated Decomposition of Amide-Substituted Furfuryl Tosylhydrazones: Synthesis and Cytotoxic Activities of Enynyl-Ketoamides. <i>Journal of Organic Chemistry</i> , 2015, 80, 2092-2102.	3.2	25
20	Access to Densely Functionalized Chalcone Derivatives with a 2-Pyridone Subunit via Pd/Cu-Catalyzed Oxidative Furan α -Yne Cyclization of <i>N</i> -(2-Furanylmethyl) Alkynamides under Air. <i>Organic Letters</i> , 2018, 20, 2273-2277.	4.6	22
21	Direct Alkoxyacylation of Heteroarenes via Cu-Mediated Trichloromethylation and In Situ Alcoholysis. <i>Organic Letters</i> , 2020, 22, 2093-2098.	4.6	22
22	Metal-Free Rearrangement of Spirofurooxindoles into Spiropentenoneoxindoles and Indoles: Implications for the Mechanism and Stereochemistry of the Piancatelli Rearrangement. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 370-376.	4.3	15
23	Room-Temperature Suzuki-Miyaura Reaction Catalyzed by Palladium Nanoparticles in Lactate Anion Ionic Liquid. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1225-1232.	4.9	14
24	Synthesis of <i>N</i> , <i>O</i> -Spiroacetals and β -Arylfurans via Pd-Catalyzed Aerobic Oxidative 2,5-Aminoarylation and β -Arylation of <i>N</i> -[3-(2-Furanyl)propyl]- <i>p</i> -toluenesulfonamides with Boronic Acids. <i>Journal of Organic Chemistry</i> , 2018, 83, 10080-10088.	3.2	14
25	Copper-Catalyzed Ring Opening of Furans as a Concise Route to Polysubstituted Furans under Mild Conditions. <i>Synthesis</i> , 2012, 44, 3735-3742.	2.3	13
26	Three-Component Ring-Opening Reactions of Cyclic Ethers, β -Diazo Esters, and Weak Nucleophiles under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2018, 83, 14385-14395.	3.2	13
27	CuH-Catalyzed Synthesis of 3-Hydroxyindolines and 2-Aryl-3H-indol-3-ones from <i>o</i> -Alkynyl Nitroarenes, Using Nitro as Both the Nitrogen and Oxygen Source. <i>Organic Letters</i> , 2019, 21, 6194-6198.	4.6	13
28	An entry to polysubstituted furans via the oxidative ring opening of furan ring employing NBS as an oxidant. <i>Tetrahedron Letters</i> , 2013, 54, 1256-1260.	1.4	11
29	Palladium-Catalyzed Dearomatizing Alkoxydiarylation of Furan Rings by Coupling with Arylboronic Acids: Access to Polysubstituted Oxabicyclic Compounds. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2001-2007.	4.3	11
30	Access to Polycyclic Indol(en)ines via <i>Base</i> -Catalyzed Intramolecular Dearomatizing α -Alkenylation of Alkynyl Indoles. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2207-2212.	4.9	11
31	Selective Pd-catalyzed β - and γ -arylations of the furan rings of (ortho-bromophenyl)furan-2-yl-methanones: C(CO) α -C bond cleavage with a furan ring as a leaving group and synthesis of furan-derived fluorenones. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1105-1110.	4.5	10
32	Iron-Catalyzed Oxidative Decarbonylative β -Alkylation of Acyl-Substituted Furans with Aliphatic Aldehydes as the Alkylating Agents. <i>Journal of Organic Chemistry</i> , 2020, 85, 9396-9404.	3.2	10
33	Progress in Organocatalytic Dearomatization Reactions Catalyzed by <i>N</i> -Heterocyclic Carbenes. <i>ChemCatChem</i> , 2022, 14, .	3.7	10
34	Facile Synthesis of Trisubstituted Allenynes by Phosphane-Mediated Deoxygenation of 2,4-Pentadiyn-1-ol. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4450-4453.	2.4	9
35	BINOL-phosphoric acids-catalyzed furylogos pinacol rearrangement of 1-[5-(hydroxy-diaryl-methyl)-furan-2-yl]-cyclobutanols into spiro cyclopentanones. <i>Tetrahedron</i> , 2018, 74, 6939-6945.	1.9	9
36	Palladium-Catalyzed Cross-Coupling of Furfuryl Alcohols with Arylboronic Acids via Aromatization-Driven Carbon-Carbon Bond Cleavage to Synthesize β -Arylfurfuryl Alcohols and 2,5-Diaryl Furans. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5576-5586.	4.3	8

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37	Synthesis and fluorescent properties of quinoxaline derived ionic liquids. <i>Green Energy and Environment</i> , 2022, 7, 996-1005.	8.7	8
38	Access to fused pyrroles via the reaction of spiro-dienyl ethers with amines involving a chemoselective skeletal rearrangement. <i>Tetrahedron</i> , 2014, 70, 5242-5248.	1.9	6
39	Tandem Achmatowicz Rearrangement and Acetalization of 1-[5-(Hydroxyalkyl)-furan-2-yl]-cyclobutanols Leading to Dispiroacetals and Subsequent Ring-Expansion to Form 6,7-Dihydrobenzofuran-4(5H)-ones. <i>Journal of Organic Chemistry</i> , 2018, 83, 12869-12879.	3.2	5
40	Access to N-protected 2-amide-substituted indoles from Ugi adducts via palladium-catalyzed intramolecular cyclization of α -iodoanilines bearing furan rings. <i>RSC Advances</i> , 2020, 10, 11750-11754.	3.6	5
41	CuCl ₂ -catalyzed highly stereoselective and chemoselective reduction of alkynyl amides into \pm , β -unsaturated amides using silanes as hydrogen donors. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 365-369.	2.8	5
42	Synthesis of Highly Conjugated Functionalized 2-Pyridones by Palladium-Catalyzed Aerobic Oxidative Dicarboxylation Reactions of N-(Furan-2-ylmethyl) Alkyne Amides and Alkenes as Coupling Partners. <i>Journal of Organic Chemistry</i> , 2021, 86, 2748-2759.	3.2	5
43	Access to Polycyclic Thienindolines via Formal [2+2+1] Cyclization of Alkynyl Indoles with S ₈ and K ₂ S ₂ O ₈ . <i>Organic Letters</i> , 2021, 23, 8033-8038.	4.6	5
44	Visible-Light-Induced [2+2+1] Dearomative Cascade Cyclization of Indole/Furan Alkynes to Synthesize Sulfonyl Polycycles. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2197-2204.	4.3	5
45	Synthesis of Polyfunctionalized Pyrroles from Furfurylamines and Ynones via CuCl ₂ -Catalyzed and Iodine-Mediated Oxidative Annulation of N-Furfuryl- β -Enaminones. <i>Synthesis</i> , 2017, 49, 2241-2249.	2.3	4
46	Methyl-triflate-mediated dearylmethylation of N-(arylmethyl)carboxamides via the retro-Mannich reaction induced by electrophilic dearomatization/rearomatization in an aqueous medium at room temperature. <i>Green Chemistry</i> , 2019, 21, 2252-2256.	9.0	4
47	Molecular Diversity of Tonghaosu Analogues, Selective Oxidation of the α -Cyclic Double Bond of Spiroacetal Enol Ethers and Diastereoselective Synthesis of Spiropyranone. <i>Chinese Journal of Chemistry</i> , 2010, 28, 2335-2338.	4.9	3
48	Transition-metal-free polycyclic indoline formation via a free radical pathway: a computational mechanistic study. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	1.4	3
49	LiCl-Mediated and Palladium-Catalyzed Oxidative Cyclization of Furan-Ynes via Dearomatizing Alkoxyalkenylation of Furan. <i>Organic Letters</i> , 2022, 24, 3275-3280.	4.6	3
50	An Unusual N-Boc Deprotection of Benzamides under Basic Conditions. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1645-1648.	4.9	2