

Bin Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/977343/publications.pdf>

Version: 2024-02-01

28
papers

2,323
citations

331670

21
h-index

526287

27
g-index

40
all docs

40
docs citations

40
times ranked

2091
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-Light-Promoted C=C Cross-Coupling via Intermolecular Charge Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 13616-13619.	13.7	347
2	Transition-Metal-Catalyzed, Coordination-Assisted Functionalization of Nonactivated C(sp ³)-H Bonds. <i>Chemical Reviews</i> , 2021, 121, 14957-15074.	47.7	262
3	Recent Advances on Ester Synthesis via Transition-Metal Catalyzed C-H Functionalization. <i>ACS Catalysis</i> , 2015, 5, 1863-1881.	11.2	210
4	Cobalt(III)-Catalyzed C2-Selective C-H Alkynylation of Indoles. <i>Organic Letters</i> , 2015, 17, 4094-4097.	4.6	177
5	C=N Cross-Coupling via Photoexcitation of Nickel-Amine Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 7667-7673.	13.7	176
6	Nickel-catalyzed thiolation of unactivated aryl C-H bonds: efficient access to diverse aryl sulfides. <i>Chemical Communications</i> , 2015, 51, 4069-4072.	4.1	150
7	Nickel-catalyzed direct thiolation of unactivated C(sp ³)-H bonds with disulfides. <i>Chemical Communications</i> , 2015, 51, 7341-7344.	4.1	131
8	Indole Synthesis via Cobalt(III)-Catalyzed Oxidative Coupling of N-Arylureas and Internal Alkynes. <i>Organic Letters</i> , 2016, 18, 1776-1779.	4.6	124
9	Copper-catalyzed ortho-halogenation of arenes and heteroarenes directed by a removable auxiliary. <i>Chemical Communications</i> , 2015, 51, 5093-5096.	4.1	84
10	Palladium-Catalyzed Oxidative Olefination of Phenols Bearing Removable Directing Groups under Molecular Oxygen. <i>Journal of Organic Chemistry</i> , 2014, 79, 1521-1526.	3.2	78
11	Transition-metal-catalyzed etherification of unactivated C-H bonds. <i>Tetrahedron Letters</i> , 2015, 56, 15-22.	1.4	78
12	Nickel-Catalyzed <i>ortho</i> -Arylation of Unactivated (Hetero)aryl C-H Bonds with Arylsilanes Using a Removable Auxiliary. <i>Organic Letters</i> , 2016, 18, 4586-4589.	4.6	63
13	Light-Driven Intermolecular Charge Transfer Induced Reactivity of Ethynylbenziodoxol(on)e and Phenols. <i>Journal of the American Chemical Society</i> , 2018, 140, 12829-12835.	13.7	61
14	Transition-Metal-Catalyzed Arylation of Unactivated C(sp ³)-H Bonds Assisted by Bidentate Directing Groups. <i>Chinese Journal of Organic Chemistry</i> , 2014, 34, 1487.	1.3	57
15	Synthesis of Sterically Congested Polycyclic Aromatic Hydrocarbons: Rhodium(III)-Catalyzed Cascade Oxidative Annulation of Aryl Ketoximes with Diphenylacetylene by Sequential Cleavage of Multiple C-H Bonds. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2688-2696.	4.3	46
16	Pd(II)-catalyzed oxidative alkoxyacylation of 2-phenoxy pyridine derivatives with CO and alcohols. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2538.	2.8	43
17	Regioselective Ir(III)-catalyzed C-H alkynylation directed by 7-azaindoles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2944-2949.	2.8	40
18	Binaphthyl Scaffold: A Class of Versatile Structure in Asymmetric C-H Functionalization. <i>ACS Catalysis</i> , 2022, 12, 9359-9396.	11.2	35

#	ARTICLE	IF	CITATIONS
19	Nickel($\text{C(sp}^2\text{)}$)-catalyzed direct arylation of aryl C-H bonds with aryl-boron reagents directed by a removable bidentate auxiliary. <i>Organic Chemistry Frontiers</i> , 2016, 3, 897-900.	4.5	30
20	Unconventional Reactivity of Ethynylbenziodoxolone Reagents and Thiols: Scope and Mechanism. <i>Chemistry - A European Journal</i> , 2020, 26, 2386-2394.	3.3	28
21	Copper-catalyzed direct acyloxylation of $\text{C(sp}^2\text{)}$ -H bonds with Benzoic acids. <i>Science China Chemistry</i> , 2015, 58, 1302-1309.	8.2	21
22	Synthesis of Oxazolines from Amides via Palladium-Catalyzed Functionalization of Unactivated $\text{C(sp}^3\text{)}$ -H Bond. <i>Organic Letters</i> , 2015, 17, 1200-1203.	4.6	20
23	Recent progress on nickel-catalyzed direct functionalization of unactivated C-H bonds. <i>Chinese Science Bulletin</i> , 2015, 60, 2907-2917.	0.7	18
24	Efficient Synthesis of Carboxylic Esters via Palladium(II)-Catalyzed Direct Alkoxyacylation of Arenes with CO and Alcohols. <i>Synlett</i> , 2013, 24, 2274-2278.	1.8	15
25	Transition-Metal-Free, Visible-Light-Promoted C-S Cross-Coupling through Intermolecular Charge Transfer. <i>Synlett</i> , 2018, 29, 2449-2455.	1.8	15
26	Synthesis of diaryl sulfides through C-H bond functionalization of arylamides with cobalt salt and elemental sulfur. <i>Tetrahedron Letters</i> , 2019, 60, 895-899.	1.4	7
27	Scalable and Phosphine-Free Conversion of Alcohols to Carbon-Heteroatom Bonds through the Blue Light-Promoted Iodination Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 3717-3727.	3.2	4
28	Palladium-Catalyzed Directed Arylation of Unactivated $\text{C(sp}^3\text{)}$ H Bonds. , 2017, , 167-203.		3