Jian-Jun Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1397814/publications.pdf

Version: 2024-02-01

		201674	206112
44	2,469	27	48
papers	citations	h-index	g-index

65	65	65	3191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pd(II)-Catalyzed Câˆ'H Activation/Arylâˆ'Aryl Coupling of Phenol Esters. Journal of the American Chemical Society, 2010, 132, 468-469.	13.7	354
2	Copper-Promoted Sandmeyer Trifluoromethylation Reaction. Journal of the American Chemical Society, 2013, 135, 8436-8439.	13.7	260
3	Pd-catalysed decarboxylative Suzuki reactions and orthogonal Cu-based O-arylation of aromatic carboxylic acids. Chemical Communications, 2011, 47, 677-679.	4.1	137
4	Rutheniumâ€Catalyzed Conversion of Levulinic Acid to Pyrrolidines by Reductive Amination. ChemSusChem, 2011, 4, 1578-1581.	6.8	102
5	Alkylboronic Esters from Palladiumâ€and Nickelâ€Catalyzed Borylation of Primary and Secondary Alkyl Bromides. Advanced Synthesis and Catalysis, 2012, 354, 1685-1691.	4.3	101
6	Silver-Mediated Decarboxylative Câ€"S Cross-Coupling of Aliphatic Carboxylic Acids under Mild Conditions. Organic Letters, 2014, 16, 4586-4589.	4.6	100
7	Silver-Catalyzed C(sp²)â€"H Functionalization/Câ€"O Cyclization Reaction at Room Temperature. Journal of Organic Chemistry, 2015, 80, 911-919.	3.2	89
8	Benzoic Acidâ€Catalyzed Transamidation Reactions of Carboxamides, Phthalimide, Ureas and Thioamide with Amines. Advanced Synthesis and Catalysis, 2014, 356, 2429-2436.	4.3	88
9	Catalyst-Free Singlet Oxygen-Promoted Decarboxylative Amidation of Î±-Keto Acids with Free Amines. Organic Letters, 2016, 18, 3114-3117.	4.6	76
10	Visible-Light-Promoted Câ€"H Arylation by Merging Palladium Catalysis with Organic Photoredox Catalysis. Journal of Organic Chemistry, 2017, 82, 3622-3630.	3.2	69
11	Production of high quality fuels from lignocellulose-derived chemicals: a convenient Câ€"C bond formation of furfural, 5-methylfurfural and aromatic aldehyde. RSC Advances, 2012, 2, 11211.	3.6	68
12	Heterogeneous Palladium Catalysts for Decarbonylation of Biomassâ€Derived Molecules under Mild Conditions. ChemSusChem, 2013, 6, 1348-1351.	6.8	66
13	Visible-Light-Induced C2 Alkylation of Pyridine N-Oxides. Journal of Organic Chemistry, 2017, 82, 2059-2066.	3.2	65
14	AIBN-Catalyzed Oxidative Cleavage ofgem-Disubstituted Alkenes with O2as an Oxidant. Journal of Organic Chemistry, 2014, 79, 7220-7225.	3.2	60
15	Electrochemical Synthesis of Adiponitrile from the Renewable Raw Material Glutamic Acid. ChemSusChem, 2012, 5, 617-620.	6.8	56
16	Copper-catalysed ring-opening trifluoromethylation of cyclopropanols. Organic and Biomolecular Chemistry, 2015, 13, 7159-7163.	2.8	53
17	Electrochemical Câˆ'O Bond Formation: Facile Access to Aromatic Lactones. Chemistry - A European Journal, 2018, 24, 6932-6935.	3.3	52
18	Deboronative cyanation of potassium alkyltrifluoroborates via photoredox catalysis. Chemical Communications, 2016, 52, 6793-6796.	4.1	42

#	Article	IF	Citations
19	Visible-Light-Enabled Decarboxylative Mono- and Difluoromethylation of Cinnamic Acids under Metal-Free Conditions. Organic Letters, 2017, 19, 5501-5504.	4.6	42
20	Copper-Promoted Reductive Coupling of Aryl Iodides with 1,1,1-Trifluoro-2-iodoethane. Organic Letters, 2014, 16, 2306-2309.	4.6	41
21	Expedient Synthesis of Chiral Î±â€Amino Acids through Nickelâ€Catalyzed Reductive Crossâ€Coupling. Chemistry - A European Journal, 2014, 20, 15339-15343.	3.3	39
22	Cu(II)-Mediated Decarboxylative Trifluoromethylthiolation of Î±,Î²-Unsaturated Carboxylic Acids. Journal of Organic Chemistry, 2018, 83, 499-504.	3.2	37
23	Pd-catalyzed defluorination/arylation of Î±-trifluoromethyl ketones via consecutive Î²-F elimination and Câ€“F bond activation. Chemical Communications, 2018, 54, 4406-4409.	4.1	34
24	Copper-Catalyzed Cross-Coupling Reaction of Allyl Boron Ester with 1Â°/2Â°/3Â°-Halogenated Alkanes. Organic Letters, 2015, 17, 3682-3685.	4.6	33
25	Transition-Metal-Free Synthesis of Ynones via Decarboxylative Alkynylation of Î±-Keto Acids under Mild Conditions. Journal of Organic Chemistry, 2015, 80, 9314-9320.	3.2	33
26	Electrochemical synthesis of 1,2-diketones from alkynes under transition-metal-catalyst-free conditions. Chemical Communications, 2019, 55, 9208-9211.	4.1	31
27	Iron-catalyzed selective oxidation of 5-hydroxylmethylfurfural in air: A facile synthesis of 2,5-diformylfuran at room temperature. Chinese Chemical Letters, 2015, 26, 1265-1268.	9.0	28
28	Irradiation-Induced Cobaloxime-Catalyzed Câ€“H Monofluoroalkylation of Styrenes at Room Temperature. Organic Letters, 2019, 21, 196-200.	4.6	28
29	Borylation of primary and secondary alkyl bromides catalyzed by Cu₂O nanoparticles. RSC Advances, 2015, 5, 46672-46676.	3.6	27
30	NADH coenzyme model compound as photocatalyst for the direct arylation of (hetero)arenes. Tetrahedron Letters, 2017, 58, 1939-1942.	1.4	25
31	Borylation and selective reduction of Î±,Î²-unsaturated ketones under mild conditions catalyzed by Cu nanoparticles. Tetrahedron, 2016, 72, 5691-5698.	1.9	24
32	Directed alkynylation of unactivated C(sp³)â€“H bonds with ethynylbenziodoxolones mediated by DTBP. Green Chemistry, 2016, 18, 4185-4188.	9.0	23
33	KI-catalyzed Î±-acyloxylation of acetone with carboxylic acids. Organic and Biomolecular Chemistry, 2016, 14, 5936-5939.	2.8	22
34	Cu-catalyzed intramolecular hydroarylation of alkynes. RSC Advances, 2014, 4, 61706-61710.	3.6	21
35	Electrochemically promoted decarboxylative borylation of alkyl N-hydroxyphthalimide esters. Chinese Chemical Letters, 2022, 33, 1555-1558.	9.0	21
36	Photocatalytic site-selective Câ€“H difluoroalkylation of aromatic aldehydes. Chemical Communications, 2020, 56, 1497-1500.	4.1	20

#	Article	IF	Citations
37	Metalâ€Free, Visibleâ€Lightâ€Mediated Direct Câ^'H Trifluoromethylation of Hydrazones with NADH Coenzyme Model Catalyst. Asian Journal of Organic Chemistry, 2018, 7, 137-140.	2.7	17
38	Catalyst-free reductive amination of aromatic aldehydes with ammonium formate and Hantzsch ester. Organic and Biomolecular Chemistry, 2014, 12, 9092-9096.	2.8	14
39	Photoinduced synthesis of quinoline derivatives catalyzed by organic photocatalyst at room temperature. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 186-193.	3.9	12
40	Electrochemical Trifluoromethylation of Thiophenols with Sodium Trifluoromethanesulfinate. Journal of Organic Chemistry, 2021, 86, 16114-16120.	3.2	12
41	Products and production routes for the catalytic conversion of seed oil into fuel and chemicals: a comprehensive review. Science China Chemistry, 2015, 58, 1110-1121.	8.2	6
42	Pd(OAc)2-catalyzed dinitration reaction of aromatic amines. Tetrahedron, 2015, 71, 3827-3832.	1.9	6
43	Efficient AcrH 2 Catalyzed Î²â€Trifluoromethylation of Carbonyl Compounds by Atom Transfer Radical Addition Reactions. Chinese Journal of Chemistry, 2019, 37, 1025-1030.	4.9	3
44	Electrochemical Oxidative Esterification of Thiophenols: Efficient Access to Sulfinic Esters. Current Organic Synthesis, 2020, 17, 540-547.	1.3	3