

Jian-Jun Dai

List of Publications by Year in descending order

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44
papers

2,469
citations

201674

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48
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docs citations

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times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemically promoted decarboxylative borylation of alkyl N-hydroxyphthalimide esters. <i>Chinese Chemical Letters</i> , 2022, 33, 1555-1558.	9.0	21
2	Electrochemical Trifluoromethylation of Thiophenols with Sodium Trifluoromethanesulfinate. <i>Journal of Organic Chemistry</i> , 2021, 86, 16114-16120.	3.2	12
3	Photocatalytic site-selective C-H difluoroalkylation of aromatic aldehydes. <i>Chemical Communications</i> , 2020, 56, 1497-1500.	4.1	20
4	Electrochemical Oxidative Esterification of Thiophenols: Efficient Access to Sulfinic Esters. <i>Current Organic Synthesis</i> , 2020, 17, 540-547.	1.3	3
5	Electrochemical synthesis of 1,2-diketones from alkynes under transition-metal-catalyst-free conditions. <i>Chemical Communications</i> , 2019, 55, 9208-9211.	4.1	31
6	Efficient AcrH 2 Catalyzed α -Trifluoromethylation of Carbonyl Compounds by Atom Transfer Radical Addition Reactions. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1025-1030.	4.9	3
7	Irradiation-Induced Cobaloxime-Catalyzed C-H Monofluoroalkylation of Styrenes at Room Temperature. <i>Organic Letters</i> , 2019, 21, 196-200.	4.6	28
8	Electrochemical C=O Bond Formation: Facile Access to Aromatic Lactones. <i>Chemistry - A European Journal</i> , 2018, 24, 6932-6935.	3.3	52
9	Metal-Free, Visible-Light-Mediated Direct C-H Trifluoromethylation of Hydrazones with NADH Coenzyme Model Catalyst. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 137-140.	2.7	17
10	Pd-catalyzed defluorination/arylation of α -trifluoromethyl ketones <i>via</i> consecutive α -F elimination and C-F bond activation. <i>Chemical Communications</i> , 2018, 54, 4406-4409.	4.1	34
11	Photoinduced synthesis of quinoline derivatives catalyzed by organic photocatalyst at room temperature. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 186-193.	3.9	12
12	Cu(II)-Mediated Decarboxylative Trifluoromethylthiolation of α,β -Unsaturated Carboxylic Acids. <i>Journal of Organic Chemistry</i> , 2018, 83, 499-504.	3.2	37
13	Visible-Light-Induced C2 Alkylation of Pyridine <i>N</i> -Oxides. <i>Journal of Organic Chemistry</i> , 2017, 82, 2059-2066.	3.2	65
14	NADH coenzyme model compound as photocatalyst for the direct arylation of (hetero)arenes. <i>Tetrahedron Letters</i> , 2017, 58, 1939-1942.	1.4	25
15	Visible-Light-Promoted C-H Arylation by Merging Palladium Catalysis with Organic Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2017, 82, 3622-3630.	3.2	69
16	Visible-Light-Enabled Decarboxylative Mono- and Difluoromethylation of Cinnamic Acids under Metal-Free Conditions. <i>Organic Letters</i> , 2017, 19, 5501-5504.	4.6	42
17	KI-catalyzed α -acyloxylation of acetone with carboxylic acids. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5936-5939.	2.8	22
18	Deboronative cyanation of potassium alkyltrifluoroborates via photoredox catalysis. <i>Chemical Communications</i> , 2016, 52, 6793-6796.	4.1	42

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19	Borylation and selective reduction of $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones under mild conditions catalyzed by Cu nanoparticles. <i>Tetrahedron</i> , 2016, 72, 5691-5698.	1.9	24
20	Directed alkynylation of unactivated $C(sp^3)$ -H bonds with ethynylbenziodoxolones mediated by DTBP. <i>Green Chemistry</i> , 2016, 18, 4185-4188.	9.0	23
21	Catalyst-Free Singlet Oxygen-Promoted Decarboxylative Amidation of $\hat{1}\pm$ -Keto Acids with Free Amines. <i>Organic Letters</i> , 2016, 18, 3114-3117.	4.6	76
22	Copper-catalysed ring-opening trifluoromethylation of cyclopropanols. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7159-7163.	2.8	53
23	Borylation of primary and secondary alkyl bromides catalyzed by Cu_2O nanoparticles. <i>RSC Advances</i> , 2015, 5, 46672-46676.	3.6	27
24	Iron-catalyzed selective oxidation of 5-hydroxymethylfurfural in air: A facile synthesis of 2,5-diformylfuran at room temperature. <i>Chinese Chemical Letters</i> , 2015, 26, 1265-1268.	9.0	28
25	Copper-Catalyzed Cross-Coupling Reaction of Allyl Boron Ester with $1^\circ/2^\circ/3^\circ$ -Halogenated Alkanes. <i>Organic Letters</i> , 2015, 17, 3682-3685.	4.6	33
26	Products and production routes for the catalytic conversion of seed oil into fuel and chemicals: a comprehensive review. <i>Science China Chemistry</i> , 2015, 58, 1110-1121.	8.2	6
27	$Pd(OAc)_2$ -catalyzed dinitration reaction of aromatic amines. <i>Tetrahedron</i> , 2015, 71, 3827-3832.	1.9	6
28	Transition-Metal-Free Synthesis of Ynones via Decarboxylative Alkynylation of $\hat{1}\pm$ -Keto Acids under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2015, 80, 9314-9320.	3.2	33
29	Silver-Catalyzed $C(sp^2)$ -H Functionalization/ $C=O$ Cyclization Reaction at Room Temperature. <i>Journal of Organic Chemistry</i> , 2015, 80, 911-919.	3.2	89
30	Copper-Promoted Reductive Coupling of Aryl Iodides with 1,1,1-Trifluoro-2-iodoethane. <i>Organic Letters</i> , 2014, 16, 2306-2309.	4.6	41
31	Cu-catalyzed intramolecular hydroarylation of alkynes. <i>RSC Advances</i> , 2014, 4, 61706-61710.	3.6	21
32	Silver-Mediated Decarboxylative $C-S$ Cross-Coupling of Aliphatic Carboxylic Acids under Mild Conditions. <i>Organic Letters</i> , 2014, 16, 4586-4589.	4.6	100
33	Expedient Synthesis of Chiral $\hat{1}\pm$ -Amino Acids through Nickel-Catalyzed Reductive Cross-Coupling. <i>Chemistry - A European Journal</i> , 2014, 20, 15339-15343.	3.3	39
34	Catalyst-free reductive amination of aromatic aldehydes with ammonium formate and Hantzsch ester. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9092-9096.	2.8	14
35	AIBN-Catalyzed Oxidative Cleavage of gem-Disubstituted Alkenes with O_2 as an Oxidant. <i>Journal of Organic Chemistry</i> , 2014, 79, 7220-7225.	3.2	60
36	Benzoic Acid-Catalyzed Transamidation Reactions of Carboxamides, Phthalimide, Ureas and Thioamide with Amines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2429-2436.	4.3	88

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37	Copper-Promoted Sandmeyer Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 8436-8439.	13.7	260
38	Heterogeneous Palladium Catalysts for Decarbonylation of Biomass-Derived Molecules under Mild Conditions. <i>ChemSusChem</i> , 2013, 6, 1348-1351.	6.8	66
39	Production of high quality fuels from lignocellulose-derived chemicals: a convenient C-C bond formation of furfural, 5-methylfurfural and aromatic aldehyde. <i>RSC Advances</i> , 2012, 2, 11211.	3.6	68
40	Alkylboronic Esters from Palladium- and Nickel-Catalyzed Borylation of Primary and Secondary Alkyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1685-1691.	4.3	101
41	Electrochemical Synthesis of Adiponitrile from the Renewable Raw Material Glutamic Acid. <i>ChemSusChem</i> , 2012, 5, 617-620.	6.8	56
42	Pd-catalysed decarboxylative Suzuki reactions and orthogonal Cu-based O-arylation of aromatic carboxylic acids. <i>Chemical Communications</i> , 2011, 47, 677-679.	4.1	137
43	Ruthenium-Catalyzed Conversion of Levulinic Acid to Pyrrolidines by Reductive Amination. <i>ChemSusChem</i> , 2011, 4, 1578-1581.	6.8	102
44	Pd(II)-Catalyzed C-H Activation/Aryl-Aryl Coupling of Phenol Esters. <i>Journal of the American Chemical Society</i> , 2010, 132, 468-469.	13.7	354