Wen Dai

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6749290/publications.pdf

Version: 2024-02-01

33 papers	1,108 citations	361413 20 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	1305 citing authors

#	Article	IF	Citations
1	Metal-Free and Solvent-Free Oxidative Coupling of Amines to Imines with Mesoporous Carbon from Macrocyclic Compounds. ACS Catalysis, 2015, 5, 2788-2794.	11.2	140
2	Direct imine formation by oxidative coupling of alcohols and amines using supported manganese oxides under an air atmosphere. Green Chemistry, 2014, 16, 3328.	9.0	89
3	Cobalt Nanoparticlesâ€Catalyzed Widely Applicable Successive Câ^'C Bond Cleavage in Alcohols to Access Esters. Angewandte Chemie - International Edition, 2020, 59, 19268-19274.	13.8	71
4	Asymmetric Epoxidation of Alkenes Catalyzed by a Porphyrin-Inspired Manganese Complex. Organic Letters, 2013, 15, 4138-4141.	4.6	61
5	Asymmetric Oxidation Catalysis by a Porphyrin-Inspired Manganese Complex: Highly Enantioselective Sulfoxidation with a Wide Substrate Scope. Organic Letters, 2013, 15, 5658-5661.	4.6	59
6	High catalytic activity of mesoporous Coâ€"N/C catalysts for aerobic oxidative synthesis of nitriles. Catalysis Science and Technology, 2016, 6, 5746-5753.	4.1	57
7	Facile and efficient gold-catalyzed aerobic oxidative esterification of activated alcohols. Green Chemistry, 2014, 16, 2164.	9.0	48
8	1,4-Hydroboration Reactions of Electron-Poor Aromatic Rings by N-Heterocyclic Carbene Boranes. Journal of the American Chemical Society, 2020, 142, 6261-6267.	13.7	48
9	Facile Synthesis of Î±-N-Heterocyclic Carbene-Boryl Ketones from N-Heterocyclic Carbene-Boranes and Alkenyl Triflates. Journal of the American Chemical Society, 2019, 141, 12355-12361.	13.7	46
10	Exceptional activity for direct synthesis of phenol from benzene over PMoV@MOF with O2. Catalysis Communications, 2013, 35, 101-104.	3.3	43
11	Asymmetric Epoxidation of Olefins with Hydrogen Peroxide by an in Situ-Formed Manganese Complex. Journal of Organic Chemistry, 2014, 79, 6688-6694.	3.2	40
12	A Porphyrin-Inspired Iron Catalyst for Asymmetric Epoxidation of Electron-Deficient Olefins. Organic Letters, 2015, 17, 904-907.	4.6	40
13	Metal-free catalysis of nitrogen-doped nanocarbons for the ammoxidation of alcohols to nitriles. Chemical Communications, 2017, 53, 1048-1051.	4.1	40
14	5-Endo Cyclizations of NHC-Boraallyl Radicals Bearing Ester Substituents: Characterization of Derived 1,2-Oxaborole Radicals and Boralactones. Journal of the American Chemical Society, 2018, 140, 15868-15875.	13.7	37
15	Regioselective Radical Borylation of Î±,Î²-Unsaturated Esters and Related Compounds by Visible Light Irradiation with an Organic Photocatalyst. Organic Letters, 2021, 23, 4353-4357.	4.6	37
16	Highly efficient oxidation of alcohols catalyzed by a porphyrin-inspired manganese complex. Chemical Communications, 2015, 51, 11268-11271.	4.1	35
17	Enantioselective oxidation of sulfides with H₂O₂ catalyzed by a pre-formed manganese complex. RSC Advances, 2014, 4, 46545-46554.	3.6	29
18	Development of a Continuousâ€Flow Microreactor for Asymmetric Sulfoxidation Using a Biomimetic Manganese Catalyst. Advanced Synthesis and Catalysis, 2016, 358, 667-671.	4.3	27

#	Article	IF	Citations
19	Highly Chemoselective and Enantioselective Catalytic Oxidation of Heteroaromatic Sulfides via High-Valent Manganese(IV)â€“Oxo Cation Radical Oxidizing Intermediates. ACS Catalysis, 2017, 7, 4890-4895.	11.2	26
20	High-performance recyclable Vâ€“Nâ€“C catalysts for the direct hydroxylation of benzene to phenol using molecular oxygen. RSC Advances, 2015, 5, 31965-31971.	3.6	22
21	Direct synthesis of phenol from benzene catalyzed by multi-V-POMs complex. Applied Catalysis A: General, 2013, 457, 21-25.	4.3	18
22	Heterogeneous manganese-oxide-catalyzed successive cleavage and functionalization of alcohols to access amides and nitriles. CheM, 2022, 8, 1906-1927.	11.7	18
23	Ring-Opening Reactions of NHC-Boriranes with In Situ Generated HCl: Synthesis of a New Class of NHC-Boralactones. Journal of the American Chemical Society, 2019, 141, 3623-3629.	13.7	14
24	Development of a Continuous-Flow Microreactor for Asymmetric Epoxidation of Electron-Deficient Olefins. Synthesis, 2016, 48, 2653-2658.	2.3	13
25	Zirconium triflate grafted on SBA-15 as a highly efficient solid acid catalyst for ring opening of epoxides by amines and alcohols. Chinese Journal of Catalysis, 2017, 38, 758-766.	14.0	12
26	Reactions of N-Heterocyclic Carbene Boranes with 5-Diazo-2,2-dimethyl-1,3-dioxane-4,6-dione: Synthesis of Mono- and Bis-hydrazonyl NHC-Boranes. Journal of Organic Chemistry, 2018, 83, 8775-8779.	3.2	9
27	EPR Studies on the Addition of Ligated Boryl Radicals to Carbonyl Compounds. Journal of Organic Chemistry, 2020, 85, 4248-4255.	3.2	8
28	EPR and Preparative Studies of 5-endo Cyclizations of Radicals Derived from Alkenyl NHC-Boranes Bearing tert-Butyl Ester Substituents. Journal of Organic Chemistry, 2019, 84, 2102-2111.	3.2	7
29	Cobalt Nanoparticlesâ€Catalyzed Widely Applicable Successive Câ^'C Bond Cleavage in Alcohols to Access Esters. Angewandte Chemie, 2020, 132, 19430-19436.	2.0	7
30	Copper-Catalyzed Oxidative Câ€“C Bond Cleavage of Alkyl-(Hetero)arenes Enabling Direct Access to Nitriles. Organic Letters, 0, , .	4.6	6
31	Metalâ€free Heterogeneous Catalytic Aromatization of Nâ€Heterocycles and Hydrocarbons by Carbocatalyst. Asian Journal of Organic Chemistry, 0, , .	2.7	1
32	Defectâ€Rich Coreâ€Shell Carbon Derived from Ionic Liquid for Direct Synthesis of Imines. ChemistrySelect, 2021, 6, 5961-5966.	1.5	0
33	Protocol for the preparation of amorphous manganese oxide and its application as heterogeneous catalyst in the direct synthesis of amides and nitriles. STAR Protocols, 2022, 3, 101564.	1.2	0