

Zhongtian Du

List of Publications by Year in descending order

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34
papers

1,742
citations

377584

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2537
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium-catalyzed Oxidative Conversion of Primary Aromatic Alcohols into Amides and Nitriles with Molecular Oxygen. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	2
2	Self-promoted vanadium-catalyzed oxidation of pyridinemethanol with molecular oxygen. <i>Catalysis Communications</i> , 2020, 145, 106114.	1.6	3
3	Vanadium Oxide-Nitride Composites for Catalytic Oxidative C-C Bond Cleavage of Cyclohexanol into Lactones with Dioxygen. <i>ChemCatChem</i> , 2020, 12, 3650-3655.	1.8	7
4	Generation of Strong Basic Site on Hypercrosslinked Porous Polymers as Catalyst for the Catalytic Oxidation of Methylene Compounds. <i>ChemistrySelect</i> , 2020, 5, 549-553.	0.7	4
5	Molybdenum-Catalyzed Oxidative Cleavage of Raw Poplar Sawdust into Mono-Aromatics and Organic Acid Esters. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1348-1353.	1.3	1
6	Novel Effect of Zinc Nitrate/Vanadyl Oxalate for Selective Catalytic Oxidation of α -Hydroxy Esters to α -Keto Esters with Molecular Oxygen: An In Situ ATR-IR Study. <i>Molecules</i> , 2019, 24, 1281.	1.7	5
7	Dehydration of sorbitol into isosorbide over silver-exchanged phosphotungstic acid catalysts. <i>Molecular Catalysis</i> , 2018, 458, 19-24.	1.0	18
8	Aqueous phase hydrogenation of furfural to tetrahydrofurfuryl alcohol on alkaline earth metal modified Ni/Al ₂ O ₃ . <i>RSC Advances</i> , 2016, 6, 51221-51228.	1.7	82
9	Catalytic oxidative C-C bond cleavage route of levulinic acid and methyl levulinate. <i>RSC Advances</i> , 2016, 6, 72744-72749.	1.7	9
10	Mechanistic studies on the VO(acac) ₂ -catalyzed oxidative cleavage of lignin model compounds in acetic acid. <i>RSC Advances</i> , 2016, 6, 110229-110234.	1.7	20
11	Studies on the roles of vanadyl sulfate and sodium nitrite in catalytic oxidation of benzyl alcohol with molecular oxygen. <i>Science China Chemistry</i> , 2015, 58, 114-122.	4.2	7
12	Selective oxidative C-C bond cleavage of a lignin model compound in the presence of acetic acid with a vanadium catalyst. <i>Green Chemistry</i> , 2015, 17, 4968-4973.	4.6	98
13	Catalytic oxidation of glycerol to tartronic acid over Au/HY catalyst under mild conditions. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1653-1660.	6.9	45
14	Dehydrogenation of primary aliphatic alcohols to aldehydes over Cu-Ni bimetallic catalysts. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1911-1916.	6.9	14
15	Biphasic Catalytic Conversion of Fructose by Continuous Hydrogenation of HMF over a Hydrophobic Ruthenium Catalyst. <i>ChemSusChem</i> , 2014, 7, 1352-1356.	3.6	54
16	Promoted role of Cu(NO ₃) ₂ on aerobic oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran over VOSO ₄ . <i>Applied Catalysis A: General</i> , 2014, 482, 231-236.	2.2	46
17	Conversion of Levulinate into Succinate through Catalytic Oxidative Carbon-Carbon Bond Cleavage with Dioxygen. <i>ChemSusChem</i> , 2013, 6, 2255-2258.	3.6	24
18	Gold Nanoclusters Confined in a Supercage of Y Zeolite for Aerobic Oxidation of HMF under Mild Conditions. <i>Chemistry - A European Journal</i> , 2013, 19, 14215-14223.	1.7	184

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19	Aerobic oxidation of primary aliphatic alcohols over bismuth oxide supported platinum catalysts in water. <i>Green Chemistry</i> , 2013, 15, 2215.	4.6	64
20	Conversion of furfural into cyclopentanone over Ni/Cu bimetallic catalysts. <i>Green Chemistry</i> , 2013, 15, 1932.	4.6	294
21	Catalytic Oxidative Decarboxylation of Malic Acid into Dimethyl Malonate in Methanol with Dioxygen. <i>ChemSusChem</i> , 2012, 5, 2151-2154.	3.6	37
22	Gold nanoparticles confined in the interconnected carbon foams with high temperature stability. <i>Chemical Communications</i> , 2012, 48, 10404.	2.2	31
23	Synthesis and properties of furan-based imine-linked porous organic frameworks. <i>Polymer Chemistry</i> , 2012, 3, 2346.	1.9	66
24	Preparation of self-assembled cobalt hydroxide nanoflowers and the catalytic decomposition of cyclohexyl hydroperoxide. <i>Journal of Materials Chemistry</i> , 2011, 21, 12609.	6.7	34
25	Oxidation of 5-hydroxymethylfurfural to maleic anhydride with molecular oxygen. <i>Green Chemistry</i> , 2011, 13, 554.	4.6	150
26	Efficient Aerobic Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran, and Synthesis of a Fluorescent Material. <i>ChemSusChem</i> , 2011, 4, 51-54.	3.6	256
27	Phenyl modification of Mn-containing mesoporous silica and catalytic oxidation of toluene. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 283-287.	1.6	3
28	Synergistic effect of vanadium-phosphorus promoted oxidation of benzylic alcohols with molecular oxygen in water. <i>Green Chemistry</i> , 2010, 12, 590.	4.6	36
29	Vanadyl sulfate: A simple catalyst for oxidation of alcohols with molecular oxygen in combination with 2,2,6,6-tetramethyl-piperidyl-1-oxyl. <i>Catalysis Communications</i> , 2010, 11, 732-735.	1.6	31
30	Trace Water-Promoted Oxidation of Benzylic Alcohols with Molecular Oxygen Catalyzed by Vanadyl Sulfate and Sodium Nitrite under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 558-562.	2.1	30
31	A free radical process for oxidation of hydrocarbons promoted by nonmetal xanthone and tetramethylammonium chloride under mild conditions. <i>Tetrahedron Letters</i> , 2009, 50, 1677-1680.	0.7	31
32	Organocatalytic Oxidative Dehydrogenation of Dihydroarenes by Dioxygen Using 2,3-Dichloro-5,6-dicyano-benzoquinone (DDQ) and NaNO ₂ . <i>Molecules</i> , 2008, 13, 3236-3245.	1.7	27
33	Decomposition of cyclohexyl hydroperoxide over transition metal-free zeolite H-beta. <i>Applied Catalysis A: General</i> , 2007, 323, 119-125.	2.2	28
34	Catalytic Activity of H ⁺ Zeolite for Cyclohexyl Hydroperoxide Decomposition. <i>Chinese Journal of Catalysis</i> , 2006, 27, 299-300.	6.9	1