

Li Deng

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,380
citations

430874

18
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

3190
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative Monomers Based on Lignocellulose and Their Use for Polymer Production. Chemical Reviews, 2016, 116, 1540-1599.	47.7	580
2	Catalytic Conversion of Biomass-Derived Carbohydrates into γ -Valerolactone without Using an External H_2 Supply. Angewandte Chemie - International Edition, 2009, 48, 6529-6532.	13.8	336
3	Hydrolysis of biomass by magnetic solid acid. Energy and Environmental Science, 2011, 4, 3552.	30.8	195
4	Conversion of Levulinic Acid and Formic Acid into γ -Valerolactone over Heterogeneous Catalysts. ChemSusChem, 2010, 3, 1172-1175.	6.8	194
5	Hydrolysis of Cellulose into Glucose by Magnetic Solid Acid. ChemSusChem, 2011, 4, 55-58.	6.8	176
6	Catalytic Air Oxidation of Biomass-Derived Carbohydrates to Formic Acid. ChemSusChem, 2012, 5, 1313-1318.	6.8	140
7	Aromatics Production via Catalytic Pyrolysis of Pyrolytic Lignins from Bio-Oil. Energy & Fuels, 2010, 24, 5735-5740.	5.1	133
8	Upgraded Acidic Components of Bio-oil through Catalytic Ketonic Condensation. Energy & Fuels, 2009, 23, 564-568.	5.1	110
9	Esterification of Organic Acid in Bio-Oil using Acidic Ionic Liquid Catalysts. Energy & Fuels, 2009, 23, 2278-2283.	5.1	93
10	Brønsted acidic ionic liquids catalyze the high-yield production of diphenolic acid/esters from renewable levulinic acid. Green Chemistry, 2013, 15, 81-84.	9.0	76
11	Selective Decomposition of Formic Acid over Immobilized Catalysts. Energy & Fuels, 2011, 25, 3693-3697.	5.1	61
12	Improving aging resistance and mechanical properties of waterborne polyurethanes modified by lignin amines. Journal of Applied Polymer Science, 2013, 130, 1736-1742.	2.6	57
13	Direct Hydrogenation of Biobased Carboxylic Acids Mediated by a Nitrogen-Centered Tridentate Phosphine Ligand. ChemSusChem, 2016, 9, 177-180.	6.8	29
14	Green Solvent for Flash Pyrolysis Oil Separation. Energy & Fuels, 2009, 23, 3337-3338.	5.1	28
15	Efficient and sustainable transformation of gamma-valerolactone into nylon monomers. Green Chemistry, 2016, 18, 691-694.	9.0	26
16	Ionic-Liquid-Catalyzed Efficient Transformation of γ -Valerolactone to Methyl 3-Pentenoate under Mild Conditions. ChemSusChem, 2013, 6, 600-603.	6.8	22
17	A general approach towards efficient catalysis in Pickering emulsions stabilized by amphiphilic RGO-Silica hybrid materials. RSC Advances, 2014, 4, 35744-35749.	3.6	19
18	Biochemical characterization of isoprene synthase from Ipomoea batatas. Journal of Bioscience and Bioengineering, 2019, 127, 138-144.	2.2	8

#	ARTICLE	IF	CITATIONS
19	The visible-light-driven transfer hydrogenation of nicotinamide cofactors with a robust ruthenium complex photocatalyst. <i>Green Chemistry</i> , 2020, 22, 2279-2287.	9.0	8
20	Rhodium catalysts with cofactor mimics for the biomimetic reduction of C=N bonds. <i>Catalysis Science and Technology</i> , 2021, 11, 5564-5569.	4.1	4