

How Catalysts and Experimental Conditions Determine Furfural and 5-Hydroxymethylfurfural

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Photoactive ZnO Materials for Solar Light-Induced Cu ₂ O-ZnO Catalyst Preparation. <i>Materials</i> , 2018, 11, 2260.	1.3	15
2	Catalytic Approaches to Monomers for Polymers Based on Renewables. <i>ACS Catalysis</i> , 2019, 9, 8012-8067.	5.5	146
3	High yield one-pot synthesis of high density and low freezing point jet-fuel-ranged blending from bio-derived phenol and cyclopentanol. <i>Chemical Engineering Science</i> , 2019, 207, 441-447.	1.9	32
4	Mechanistic Insights into the Brønsted Acid-Catalyzed Dehydration of D-Glucose to 5-Hydroxymethylfurfural under Ambient and Subcritical Conditions. <i>ACS Catalysis</i> , 2019, 9, 7250-7263.	5.5	32
5	Catalytic Production of Value-Added Chemicals and Liquid Fuels from Lignocellulosic Biomass. <i>ChemSusChem</i> , 2019, 5, 2520-2546.	5.8	337
6	Effect of the conditions for the aqueous-phase hydrogenation of furfural over Pd/C catalysts on the reaction routes. , 2019, , .		7
7	Two-Step Preparation of Diverse 3,4-Dihydro-2H-pyridin-2(1H)-ones from Chitin. <i>ChemistrySelect</i> , 2019, 4, 10097-10099.	0.7	25
8	Hydrothermal synthesis of MnOOH nanowires using sapless leaves as the reductant: an effective catalyst for the regio-specific epoxidation of 2-ionone. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2572-2576.	2.5	7
9	Achmatowicz rearrangement enables hydrogenolysis-free gas-phase synthesis of pentane-1,2,5-triol from furfuryl alcohol. <i>Green Chemistry</i> , 2019, 21, 5657-5664.	4.6	8
10	Selective Arene Hydrogenation for Direct Access to Saturated Carbo- and Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10460-10476.	7.2	199
11	Multiple activations of C-H bonds in arenes and heteroarenes. <i>Dalton Transactions</i> , 2019, 48, 8530-8540.	1.6	2
12	Selective conversion of 5-hydroxymethylfurfural to diketone derivatives over Beta zeolite-supported Pd catalysts in water. <i>Journal of Catalysis</i> , 2019, 375, 224-233.	3.1	31
13	Synergistic bimetallic RuMo catalysts for selective rearrangement of furfural to cyclopentanol in aqueous phase. <i>Catalysis Communications</i> , 2019, 129, 105745.	1.6	19
14	Recent development of production technology of diesel- and jet-fuel-range hydrocarbons from inedible biomass. <i>Fuel Processing Technology</i> , 2019, 193, 404-422.	3.7	83
15	Catalytic furfural hydrogenation to furfuryl alcohol over Cu/SiO ₂ catalysts: A comparative study of the preparation methods. <i>Fuel Processing Technology</i> , 2019, 193, 221-231.	3.7	80
16	Cu/Cu ₂ O-MC (MC = Mesoporous Carbon) for Highly Efficient Hydrogenation of Furfural to Furfuryl Alcohol under Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11485-11492.	3.2	35
17	Kinetics of Furfural Hydrogenation over Bimetallic Overlayer Catalysts and the Effect of Oxygen Vacancy Concentration on Product Selectivity. <i>ChemCatChem</i> , 2019, 11, 3296-3306.	1.8	20
18	Complete Aqueous Hydrogenation of 5-Hydroxymethylfurfural at Room Temperature over Bimetallic RuPd/Graphene Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10670-10678.	3.2	57

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20	In situ cryocrystallization and solid-state structures of furfural and some derivatives. <i>CrystEngComm</i> , 2019, 21, 3295-3303.	1.3	8
21	Ni Promotion by Fe: What Benefits for Catalytic Hydrogenation?. <i>Catalysts</i> , 2019, 9, 451.	1.6	46
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23	Alternative Recovery and Valorization of Metals from Exhausted Catalytic Converters in a New Smart Polymetallic Catalyst. <i>ChemistrySelect</i> , 2019, 4, 4624-4632.	0.7	0
24	Catalytic conversion of herbal residue carbohydrates to furanic derivatives in a deep eutectic solvent accompanied by dissolution and recrystallisation of choline chloride. <i>Cellulose</i> , 2019, 26, 8263-8277.	2.4	35
25	Structure and Mechanism of Titania-Supported Platinum-Molybdenum Catalyst for Hydrodeoxygenation of 2-Furancarboxylic Acid to Valeric Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9601-9612.	3.2	20
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27	Synthesis of functionalized tetrahydrofuran derivatives from 2,5-dimethylfuran through cascade reactions. <i>Green Chemistry</i> , 2019, 21, 2601-2609.	4.6	4
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29	Cobalt Nickel Nitrogen Array as a Easily Recoverable, Effective Catalyst for Liquid-Phase Catalytic Reaction with Remarkable Recycled Stability. <i>ChemistrySelect</i> , 2019, 4, 3515-3523.	0.7	3
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31	Activation of Heteroaromatic C-H Bonds in Furan and 2,5-Dimethylfuran. <i>Inorganic Chemistry</i> , 2019, 58, 6008-6015.	1.9	7
32	Insight into the hydrogenation of pure and crude HMF to furan diols using Ru/C as catalyst. <i>Applied Catalysis A: General</i> , 2019, 578, 122-133.	2.2	61
33	Die selektive Arenhydrierung bietet einen direkten Zugang zu gesättigten Carbo- und Heterocyclen. <i>Angewandte Chemie</i> , 2019, 131, 10570-10586.	1.6	49
34	Exploiting the Synergetic Behavior of PtPd Bimetallic Catalysts in the Selective Hydrogenation of Glucose and Furfural. <i>Catalysts</i> , 2019, 9, 132.	1.6	17
35	Some insight on the structure/activity relationship of metal nanoparticles in Cu/SiO ₂ catalysts. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1788-1794.	6.9	8
36	Heterogeneous Nickel Catalysts Derived from 2D Metal-Organic Frameworks for Regulating the Selectivity of Furfural Hydrogenation. <i>ACS Omega</i> , 2019, 4, 21724-21731.	1.6	18

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40	Selective hydrogenolysis of 2-furancarboxylic acid to 5-hydroxyvaleric acid derivatives over supported platinum catalysts. <i>Green Chemistry</i> , 2019, 21, 6133-6145.	4.6	26
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43	Facile Preparation of Pd/Uio-66-v for the Conversion of Furfuryl Alcohol to Tetrahydrofurfuryl Alcohol under Mild Conditions in Water. <i>Nanomaterials</i> , 2019, 9, 1698.	1.9	14
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56	Hydrodeoxygenation of m-Cresol Over Pt-WO _x /C Using H ₂ Generated In Situ by n-Hexane Dehydrogenation. <i>Catalysis Letters</i> , 2020, 150, 913-921.	1.4	16
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64	Advances in catalytic routes for the production of carboxylic acids from biomass: a step forward for sustainable polymers. <i>Chemical Society Reviews</i> , 2020, 49, 5704-5771.	18.7	134
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72	Recent Advances in Carboxylation of Furoic Acid into 2,5-Furandicarboxylic Acid: Pathways towards Bio-Based Polymers. <i>ChemSusChem</i> , 2020, 13, 5164-5172.	3.6	28

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110	Selective Hydrogenation of Biomass-Derived Furfural: Enhanced Catalytic Performance of Pd-Cu Alloy Nanoparticles in Porous Polymer. <i>ChemPlusChem</i> , 2020, 85, 1697-1703.	1.3	13
111	Selective Activation of C=O, C=O, or C=C in Furfuryl Alcohol by Engineered Pt Sites Supported on Layered Double Oxides. <i>ACS Catalysis</i> , 2020, 10, 8032-8041.	5.5	73
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129	Selective Hydrogenation of Xylose to Xylitol over Co/SiO ₂ Catalysts. <i>ChemCatChem</i> , 2020, 12, 1973-1978.	1.8	23
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