

List of Publications by Year in descending order

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papers

2,119
citations

257450

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docs citations

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times ranked

3321
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#	ARTICLE	IF	CITATIONS
1	Properties of nanocellulose isolated from corncob residue using sulfuric acid, formic acid, oxidative and mechanical methods. <i>Carbohydrate Polymers</i> , 2016, 151, 716-724.	10.2	278
2	A novel approach for the preparation of nanocrystalline cellulose by using phosphotungstic acid. <i>Carbohydrate Polymers</i> , 2014, 110, 415-422.	10.2	205
3	Cellulose nanocrystals prepared via formic acid hydrolysis followed by TEMPO-mediated oxidation. <i>Carbohydrate Polymers</i> , 2015, 133, 605-612.	10.2	184
4	Highly selective hydrogenation of furfural to furfuryl alcohol over Pt nanoparticles supported on g-C ₃ N ₄ nanosheets catalysts in water. <i>Scientific Reports</i> , 2016, 6, 28558.	3.3	141
5	Comparison of different alkali-based pretreatments of corn stover for improving enzymatic saccharification. <i>Bioresource Technology</i> , 2012, 125, 193-199.	9.6	87
6	Selective dehydration of fructose to 5-hydroxymethylfurfural catalyzed by mesoporous SBA-15-SO ₃ H in ionic liquid BmimCl. <i>Carbohydrate Research</i> , 2012, 351, 35-41.	2.3	85
7	Recent advances in the production of polyols from lignocellulosic biomass and biomass-derived compounds. <i>RSC Advances</i> , 2014, 4, 49501-49520.	3.6	84
8	A novel hierarchical porous nitrogen-doped carbon derived from bamboo shoot for high performance supercapacitor. <i>Scientific Reports</i> , 2017, 7, 7362.	3.3	84
9	Direct α -Alkylation of Ketones with Alcohols in Water. <i>ChemSusChem</i> , 2014, 7, 105-109.	6.8	80
10	The mechanism of glucose conversion to 5-hydroxymethylfurfural catalyzed by metal chlorides in ionic liquid: A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2011, 963, 453-462.	2.5	76
11	A process for efficient conversion of fructose into 5-hydroxymethylfurfural in ammonium salts. <i>Applied Catalysis A: General</i> , 2011, 403, 98-103.	4.3	57
12	Preparation and characterization of bio-based hybrid film containing chitosan and silver nanowires. <i>Carbohydrate Polymers</i> , 2016, 137, 732-738.	10.2	55
13	Tunable and selective hydrogenation of furfural to furfuryl alcohol and cyclopentanone over Pt supported on biomass-derived porous heteroatom doped carbon. <i>Faraday Discussions</i> , 2017, 202, 79-98.	3.2	52
14	Hydrogenolysis of lignin model compounds into aromatics with bimetallic Ru-Ni supported onto nitrogen-doped activated carbon catalyst. <i>Molecular Catalysis</i> , 2018, 445, 316-326.	2.0	51
15	Research on the Physico-Mechanical Properties of Moso Bamboo with Thermal Treatment in Tung Oil and Its Influencing Factors. <i>Materials</i> , 2019, 12, 599.	2.9	47
16	Acetone-butanol-ethanol production from corn stover pretreated by alkaline twin-screw extrusion pretreatment. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 913-921.	3.4	43
17	Acid functionalized, highly dispersed carbonaceous spheres: an effective solid acid for hydrolysis of polysaccharides. <i>Journal of Nanoparticle Research</i> , 2011, 13, 463-469.	1.9	40
18	Controlled Hydrodeoxygenation of Phenolic Components in Pyrolysis Bio-oil to Arenes. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5772-5783.	6.7	40

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19	Solid acid-catalyzed conversion of furfuryl alcohol to alkyl tetrahydrofurfuryl ether. <i>Catalysis Communications</i> , 2015, 58, 76-79.	3.3	39
20	Iridium Clusters Encapsulated in Carbon Nanospheres as Nanocatalysts for Methylation of (Bio)Alcohols. <i>ChemSusChem</i> , 2017, 10, 4748-4755.	6.8	39
21	Selective Semihydrogenation of Alkynes Catalyzed by Pd Nanoparticles Immobilized on Heteroatom-Doped Hierarchical Porous Carbon Derived from Bamboo Shoots. <i>ChemSusChem</i> , 2017, 10, 3427-3434.	6.8	39
22	Tuning the catalytic selectivity in biomass-derived succinic acid hydrogenation on FeOx-modified Pd catalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23560-23569.	10.3	38
23	Iridium nanoparticles supported on hierarchical porous N-doped carbon: an efficient water-tolerant catalyst for bio-alcohol condensation in water. <i>Scientific Reports</i> , 2016, 6, 21365.	3.3	38
24	The vacuum-assisted microwave drying of round bamboos: Drying kinetics, color and mechanical property. <i>Materials Letters</i> , 2018, 223, 159-162.	2.6	36
25	CRGO/alginate microbeads: an enzyme immobilization system and its potential application for a continuous enzymatic reaction. <i>Journal of Materials Chemistry B</i> , 2015, 3, 9315-9322.	5.8	24
26	Improved efficiency of separate hexose and pentose fermentation from steam-exploded corn stalk for butanol production using <i>Clostridium beijerinckii</i> . <i>Biotechnology Letters</i> , 2011, 33, 1587-1591.	2.2	21
27	Highly Selective Upgrading of Biomass-Derived Alcohol Mixtures for Jet/Diesel-Fuel Components. <i>ChemSusChem</i> , 2016, 9, 3465-3472.	6.8	19
28	A novel method for fabricating hybrid biobased nanocomposites film with stable fluorescence containing CdTe quantum dots and montmorillonite-chitosan nanosheets. <i>Carbohydrate Polymers</i> , 2016, 145, 13-19.	10.2	19
29	Immobilization of proline-specific endoprotease on nonporous silica nanoparticles functionalized with amino group. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1-7.	3.4	19
30	Aqueous-phase hydrogenation of biomass-derived itaconic acid to methyl- γ -butyrolactone over Pd/C catalysts: Effect of pretreatments of active carbon. <i>Catalysis Communications</i> , 2015, 61, 92-96.	3.3	17
31	In-situ-reduced synthesis of cyano group modified g-C ₃ N ₄ /CaCO ₃ composite with highly enhanced photocatalytic activity for nicotine elimination. <i>Journal of Environmental Sciences</i> , 2023, 126, 517-530.	6.1	17
32	Zirconia-supported niobia catalyzed formation of propanol from 1,2-propanediol via dehydration and consecutive hydrogen transfer. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2641-2645.	5.8	16
33	Effect of Air Oxidation on Texture, Surface Properties and Dye Adsorption of Wood-Derived Porous Carbon Materials. <i>Materials</i> , 2019, 12, 1675.	2.9	12
34	Thermodynamics of glycerol hydrogenolysis to propanediols over supported copper clusters: Insights from first-principles study. <i>Science China Chemistry</i> , 2013, 56, 763-772.	8.2	11
35	Highly Efficient Synthesis of C ₅ /C ₆ Sugar Alcohols from Bamboo Enabled by Mechanocatalytic Depolymerization. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6697-6706.	6.7	9
36	Atomic-Scale Tailoring and Molecular-Level Tracking of Oxygen-Containing Tungsten Single-Atom Catalysts with Enhanced Singlet Oxygen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37142-37151.	8.0	9

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37	Abiotic degradation behavior of polyacrylonitrile-based material filled with a composite of TiO ₂ and g-C ₃ N ₄ under solar illumination. Chemosphere, 2022, 299, 134375.	8.2	8