

Formaldehyde stabilization facilitates lignin monomer depolymerization

Science

354, 329-333

DOI: [10.1126/science.aaf7810](https://doi.org/10.1126/science.aaf7810)

Citation Report

#	ARTICLE	IF	CITATIONS
4	Production of Glucosamine from Chitin by Co-solvent Promoted Hydrolysis and Deacetylation. <i>ChemCatChem</i> , 2017, 9, 2790-2796.	1.8	66
5	Lignin-Derived Thioacidolysis Dimers: Reevaluation, New Products, Authentication, and Quantification. <i>ChemSusChem</i> , 2017, 10, 830-835.	3.6	41
6	Sustainable sources need reliable standards. <i>Faraday Discussions</i> , 2017, 202, 281-301.	1.6	8
7	Effect of sodium dodecyl sulfate and cetyltrimethylammonium bromide cationic surfactant on the enzymatic hydrolysis of Avicel and corn stover. <i>Cellulose</i> , 2017, 24, 669-676.	2.4	13
8	Selectivity Control for Cellulose to Diols: Dancing on Eggs. <i>ACS Catalysis</i> , 2017, 7, 1939-1954.	5.5	162
9	Selective production of mono-aromatics from lignocellulose over Pd/C catalyst: the influence of acid co-catalysts. <i>Faraday Discussions</i> , 2017, 202, 141-156.	1.6	69
10	Lignin Hydrogenolysis: Improving Lignin Disassembly through Formaldehyde Stabilization. <i>ChemSusChem</i> , 2017, 10, 2111-2115.	3.6	36
11	Molecular Products and Fundamentally Based Reaction Pathways in the Gas-Phase Pyrolysis of the Lignin Model Compound <i>p</i> -Coumaryl Alcohol. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3352-3371.	1.1	34
12	Lignocellulose pretreatment in a fungus-cultivating termite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4709-4714.	3.3	107
13	Expanding the biomass derived chemical space. <i>Chemical Science</i> , 2017, 8, 4724-4738.	3.7	101
14	Microbial treatment of industrial lignin: Successes, problems and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 1179-1205.	8.2	85
15	P doped Co ₂ Mo ₃ Se nanosheets grown on carbon fiber cloth as an efficient hybrid catalyst for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12043-12047.	5.2	31
16	Lignin Acidolysis Predicts Formaldehyde Generation in Pine Wood. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4830-4836.	3.2	22
17	Towards high-yield lignin monomer production. <i>Green Chemistry</i> , 2017, 19, 3752-3758.	4.6	121
18	Increasing the revenue from lignocellulosic biomass: Maximizing feedstock utilization. <i>Science Advances</i> , 2017, 3, e1603301.	4.7	352
19	Lignin-first biomass fractionation: the advent of active stabilisation strategies. <i>Energy and Environmental Science</i> , 2017, 10, 1551-1557.	15.6	503
20	Redox Catalysis Facilitates Lignin Depolymerization. <i>ACS Central Science</i> , 2017, 3, 621-628.	5.3	216
21	Directional liquefaction of biomass for phenolic compounds and in situ hydrodeoxygenation upgrading of phenolics using bifunctional catalysts. <i>Energy</i> , 2017, 135, 1-13.	4.5	27

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22	Highly effective C–C bond cleavage of lignin model compounds. <i>Green Chemistry</i> , 2017, 19, 3135-3141.	4.6	65
23	Liquid phase in situ hydrodeoxygenation of biomass-derived phenolic compounds to hydrocarbons over bifunctional catalysts. <i>Applied Catalysis A: General</i> , 2017, 542, 163-173.	2.2	41
24	Visible-Light-Driven Self-Hydrogen Transfer Hydrogenolysis of Lignin Models and Extracts into Phenolic Products. <i>ACS Catalysis</i> , 2017, 7, 4571-4580.	5.5	191
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41	Structural Characteristics of Lignin Macromolecules from Different <i>Eucalyptus</i> Species. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 11618-11627.	3.2	122
42	Nanostructured Wood Hybrids for Fire-Retardancy Prepared by Clay Impregnation into the Cell Wall. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36154-36163.	4.0	175
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