

Designer lignins: harnessing the plasticity of lignification

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Expression of S-adenosylmethionine Hydrolase in Tissues Synthesizing Secondary Cell Walls Alters Specific Methylated Cell Wall Fractions and Improves Biomass Digestibility. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 58.	2.0	8
2	Plant Fibre: Molecular Structure and Biomechanical Properties, of a Complex Living Material, Influencing Its Deconstruction towards a Biobased Composite. <i>Materials</i> , 2016, 9, 618.	1.3	126
3	Lignin Valorization through Catalytic Lignocellulose Fractionation: A Fundamental Platform for the Future Biorefinery. <i>ChemSusChem</i> , 2016, 9, 1544-1558.	3.6	469
4	Wege zur Verwertung von Lignin: Fortschritte in der Biotechnik, der bioraffination und der Katalyse. <i>Angewandte Chemie</i> , 2016, 128, 8296-8354.	1.6	159
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6	RNAi downregulation of three key lignin genes in sugarcane improves glucose release without reduction in sugar production. <i>Biotechnology for Biofuels</i> , 2016, 9, 270.	6.2	31
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9	Maize Tricin-Oligolignol Metabolites and their Implications for Monocot Lignification. <i>Plant Physiology</i> , 2016, 171, pp.02012.2016.	2.3	55
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11	Progress toward Lignin Valorization via Selective Catalytic Technologies and the Tailoring of Biosynthetic Pathways. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 5123-5135.	3.2	79
12	Microbial utilization of lignin: available biotechnologies for its degradation and valorization. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 173.	1.7	25
13	Monolignol ferulate conjugates are naturally incorporated into plant lignins. <i>Science Advances</i> , 2016, 2, e1600393.	4.7	147
14	Impact of engineered lignin composition on biomass recalcitrance and ionic liquid pretreatment efficiency. <i>Green Chemistry</i> , 2016, 18, 4884-4895.	4.6	64
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17	BLISS: A Bioorthogonal Dual-Labeling Strategy to Unravel Lignification Dynamics in Plants. <i>Cell Chemical Biology</i> , 2017, 24, 326-338.	2.5	41
18	Defining the Diverse Cell Populations Contributing to Lignification in Arabidopsis Stems. <i>Plant Physiology</i> , 2017, 174, 1028-1036.	2.3	45

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