

Maarit H Lahtinen

List of Publications by Year in descending order

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448
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#	ARTICLE	IF	CITATIONS
1	Rapid and Direct Preparation of Lignin Nanoparticles from Alkaline Pulping Liquor by Mild Ultrasonication. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19925-19934.	6.7	71
2	Laccase as a Tool in Building Advanced Lignin-Based Materials. <i>ChemSusChem</i> , 2021, 14, 4615-4635.	6.8	59
3	The effect of lignin model compound structure on the rate of oxidation catalyzed by two different fungal laccases. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 204-210.	1.8	40
4	On the Reactions of Two Fungal Laccases Differing in Their Redox Potential with Lignin Model Compounds: Products and Their Rate of Formation. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 8357-8365.	5.2	39
5	Green Fabrication Approaches of Lignin Nanoparticles from Different Technical Lignins: A Comparison Study. <i>ChemSusChem</i> , 2021, 14, 4718-4730.	6.8	32
6	Lignin-Rich PHWE Hemicellulose Extracts Responsible for Extended Emulsion Stabilization. <i>Frontiers in Chemistry</i> , 2019, 7, 871.	3.6	31
7	Centrifugal fractionation of softwood extracts improves the biorefinery workflow and yields functional emulsifiers. <i>Green Chemistry</i> , 2019, 21, 4691-4705.	9.0	27
8	Synthesis, spectroscopy and molecular structures of new salicylketiminato nickel(II) complexes. <i>Polyhedron</i> , 2004, 23, 1649-1656.	2.2	23
9	Enrichment and Identification of Lignin-Carbohydrate Complexes in Softwood Extract. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11795-11804.	6.7	23
10	On the factors affecting product distribution in laccase-catalyzed oxidation of a lignin model compound vanillyl alcohol: experimental and computational evaluation. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5454.	2.8	21
11	On the reactivity of the <i>Melanocarpus albomyces</i> laccase and formation of coniferyl alcohol dehydropolymer (DHP) in the presence of ionic liquid 1-allyl-3-methylimidazolium chloride. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 169-177.	1.8	13
12	Active role of lignin in anchoring wood-based stabilizers to the emulsion interface. <i>Green Chemistry</i> , 2021, 23, 9084-9098.	9.0	13
13	Gut microbiota can utilize prebiotic birch glucuronoxylan in production of short-chain fatty acids in rats. <i>Food and Function</i> , 2022, 13, 3746-3759.	4.6	10
14	Convenient preparation of a β^2 -O-4-type lignin model trimer via KOH-catalyzed hydroxymethylation and a new protection method. <i>Holzforschung</i> , 2013, 67, 129-136.	1.9	7
15	Kraft Process-Formation of Secoisolariciresinol Structures and Incorporation of Fatty Acids in Kraft Lignin. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5955-5965.	5.2	7
16	The impact of thermomechanical pulp fiber modifications on thermoplastic lignin composites. <i>Composites Part C: Open Access</i> , 2021, 6, 100170.	3.2	1