

# Jessica Rumpf

## List of Publications by Year in descending order

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247  
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#	ARTICLE	IF	CITATIONS
1	Unmodified kraft lignin isolated at room temperature from aqueous solution for preparation of highly flexible transparent polyurethane coatings. RSC Advances, 2018, 8, 40765-40777.	1.7	39
2	Antimicrobial Activity of Lignin-Derived Polyurethane Coatings Prepared from Unmodified and Demethylated Lignins. Coatings, 2019, 9, 494.	1.2	31
3	Extraction of High-Purity Lignins via Catalyst-free Organosolv Pulping from Low-Input Crops. Biomacromolecules, 2020, 21, 1929-1942.	2.6	30
4	Comparing chemical composition and lignin structure of <i>Miscanthus x giganteus</i> and <i>Miscanthus nagara</i> harvested in autumn and spring and separated into stems and leaves. RSC Advances, 2020, 10, 10740-10751.	1.7	23
5	Low-Input Crops as Lignocellulosic Feedstock for Second-Generation Biorefineries and the Potential of Chemometrics in Biomass Quality Control. Applied Sciences (Switzerland), 2019, 9, 2252.	1.3	20
6	Antioxidant activity of unmodified kraft and organosolv lignins to be used as sustainable components for polyurethane coatings. Journal of Coatings Technology Research, 2019, 16, 1543-1552.	1.2	14
7	Benchtop versus high field NMR: Comparable performance found for the molecular weight determination of lignin. Journal of Pharmaceutical and Biomedical Analysis, 2022, 212, 114649.	1.4	9
8	Is the Calibration Transfer of Multivariate Calibration Models between High- and Low-Field NMR Instruments Possible? A Case Study of Lignin Molecular Weight. Analytical Chemistry, 2022, 94, 3997-4004.	3.2	8
9	Is NMR Combined with Multivariate Regression Applicable for the Molecular Weight Determination of Randomly Cross-Linked Polymers Such as Lignin?. ACS Omega, 2021, 6, 29516-29524.	1.6	7
10	Types of lignin, properties, and structural characterization techniques. , 2021, , 105-158.		3
11	Can Sustainable Packaging Help to Reduce Food Waste? A Status Quo Focusing Plant-Derived Polymers and Additives. Applied Sciences (Switzerland), 2021, 11, 5307.	1.3	3
12	Lignin-based composites for packaging applications. , 2022, , 131-171.		1