

# Nikolaus Schwaiger

## List of Publications by Year in descending order

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27  
papers

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citations

840585

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887953

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docs citations

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times ranked

327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Conversion of Lignosulfonate into Wood Adhesives: A Next Step towards Fully Biobased Composite Materials. <i>Polymers</i> , 2022, 14, 259.	2.0	8
2	Enzymatic synthesis of wet-resistant lignosulfonate-starch adhesives. <i>New Biotechnology</i> , 2022, 69, 49-54.	2.4	7
3	Role of Surface Enhancement in the Enzymatic Cross-Linking of Lignosulfonate Using Alternative Downstream Techniques. <i>ACS Omega</i> , 2022, 7, 23749-23758.	1.6	3
4	A biobased, bioactive, low CO <sub>2</sub> impact coating for soil improvers. <i>Green Chemistry</i> , 2021, 23, 6501-6514.	4.6	7
5	Enzyme Catalyzed Copolymerization of Lignosulfonates for Hydrophobic Coatings. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 697310.	2.0	6
6	Comparison of a fungal and a bacterial laccase for lignosulfonate polymerization. <i>Process Biochemistry</i> , 2021, 109, 207-213.	1.8	12
7	Oxidation of Various Kraft Lignins with a Bacterial Laccase Enzyme. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13161.	1.8	13
8	Enzymatic synthesis and tailoring lignin properties: A systematic study on the effects of plasticizers. <i>Polymer</i> , 2020, 202, 122725.	1.8	12
9	Refinery integration of lignocellulose for automotive fuel production <i>via</i> the bioCRACK process and two-step co-hydrotreating of liquid phase pyrolysis oil and heavy gas oil. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 519-530.	1.9	3
10	Acid Extraction from Liquid Phase Pyrolysis Oil Using Cyanex®923 and Subsequent Solvent Regeneration. <i>Chemie-Ingenieur-Technik</i> , 2019, 91, 1582-1588.	0.4	4
11	Hydrocarbon production by continuous hydrodeoxygenation of liquid phase pyrolysis oil with biogenous hydrogen rich synthesis gas. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1195-1207.	1.9	5
12	Biogenous Ethers - Production and Operation in a Diesel Engine. <i>MTZ Worldwide</i> , 2019, 80, 66-71.	0.1	3
13	Biogenous ethers: production and operation in a diesel engine. <i>Automotive and Engine Technology</i> , 2018, 3, 69-82.	0.7	34
14	High-throughput continuous hydrodeoxygenation of liquid phase pyrolysis oil. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 258-266.	1.9	9
15	Temperature Dependence of Single Step Hydrodeoxygenation of Liquid Phase Pyrolysis Oil. <i>Frontiers in Chemistry</i> , 2018, 6, 297.	1.8	2
16	Diesel production from lignocellulosic feed: the bioCRACK process. <i>Royal Society Open Science</i> , 2017, 4, 171122.	1.1	14
17	Liquid-Phase Pyrolysis-Based Biomass Liquefaction. <i>Chemie-Ingenieur-Technik</i> , 2016, 88, 1228-1229.	0.4	0
18	BiomassPyrolysisRefinery – Herstellung von nachhaltigen Treibstoffen. <i>Chemie-Ingenieur-Technik</i> , 2015, 87, 803-809.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Hydrocarbon liquid production via the bioCRACK process and catalytic hydroprocessing of the product oil. <i>Green Chemistry</i> , 2015, 17, 2487-2494.	4.6	29
20	Biofuels from liquid phase pyrolysis oil: a two-step hydrodeoxygenation (HDO) process. <i>Green Chemistry</i> , 2015, 17, 1291-1298.	4.6	26
21	Kinetics of Biochar Liquefaction. <i>Bioenergy Research</i> , 2014, 7, 1343-1350.	2.2	10
22	Catalytic hydrodeoxygenation of dehydrated liquid phase pyrolysis oil. <i>International Journal of Energy Research</i> , 2014, 38, 1964-1974.	2.2	20
23	Chemical loop systems for biochar liquefaction: hydrogenation of Naphthalene. <i>RSC Advances</i> , 2014, 4, 34955.	1.7	18
24	Liquefaction of pyrolysis derived biochar: a new step towards biofuel from renewable resources. <i>RSC Advances</i> , 2013, 3, 17898.	1.7	13
25	Formation of liquid and solid products from liquid phase pyrolysis. <i>Bioresource Technology</i> , 2012, 124, 90-94.	4.8	18
26	Liquid and Solid Products from Liquid-Phase Pyrolysis of Softwood. <i>Bioenergy Research</i> , 2011, 4, 294-302.	2.2	30
27	Continuous Hydrocarbon Production by Hydrodeoxygenation of Liquid Phase Pyrolysis Oil. , 0, , .		0