

# Pepijn Prinsen

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

2,125  
citations

26  
h-index

39  
g-index

39  
ext. papers

2,473  
ext. citations

8  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
39	Structural characterization of wheat straw lignin as revealed by analytical pyrolysis, 2D-NMR, and reductive cleavage methods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5922-35	5.7	522
38	A review on sustainable microalgae based biofuel and bioenergy production: Recent developments. <i>Journal of Cleaner Production</i> , <b>2018</b> , 181, 42-59	10.3	234
37	Structural characterization of the lignin in the cortex and pith of elephant grass ( <i>Pennisetum purpureum</i> ) stems. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 3619-34	5.7	150
36	Macroporous materials: microfluidic fabrication, functionalization and applications. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 855-914	58.5	99
35	Isolation and structural characterization of the milled wood lignin, dioxane lignin, and cellulosytic lignin preparations from brewer's spent grain. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 603-13	5.7	92
34	Lignin solubilisation and gentle fractionation in liquid ammonia. <i>Green Chemistry</i> , <b>2015</b> , 17, 325-334	10	79
33	Selective heavy metal removal and water purification by microfluidically-generated chitosan microspheres: Characteristics, modeling and application. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 192-205	12.8	67
32	Chemical composition of lipids in brewer's spent grain: A promising source of valuable phytochemicals. <i>Journal of Cereal Science</i> , <b>2013</b> , 58, 248-254	3.8	56
31	Modification of the Lignin Structure during Alkaline Delignification of Eucalyptus Wood by Kraft, Soda-AQ, and Soda-O2 Cooking. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 15702-15712	3.9	55
30	A review of progress in (bio)catalytic routes from/to renewable succinic acid. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2017</b> , 11, 908-931	5.3	54
29	Recent advances in sulfonated resin catalysts for efficient biodiesel and bio-derived additives production. <i>Progress in Energy and Combustion Science</i> , <b>2018</b> , 65, 136-162	33.6	52
28	Microalgae cultivation and metabolites production: a comprehensive review. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2018</b> , 12, 304-324	5.3	44
27	Zeolite catalyzed palmitic acid esterification. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 262, 133-139	5.3	44
26	Comprehensive study of valuable lipophilic phytochemicals in wheat bran. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 1664-73	5.7	42
25	Comparative Study of Supported Monometallic Catalysts in the Liquid-Phase Hydrogenation of Furfural: Batch Versus Continuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9831-9844	8.3	40
24	Sustainability Analysis of Microalgae Production Systems: A Review on Resource with Unexploited High-Value Reserves. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 14031-14049	10.3	40
23	Continuous Flow Alcoholysis of Furfuryl Alcohol to Alkyl Levulinates Using Zeolites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 6901-6909	8.3	39

22	The evolution of hierarchical porosity in self-templated nitrogen-doped carbons and its effect on oxygen reduction electrocatalysis. <i>RSC Advances</i> , <b>2016</b> , 6, 80398-80407	3-7	33
21	A review on greywater reuse: quality, risks, barriers and global scenarios. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2019</b> , 18, 77-99	13-9	33
20	Batch versus Continuous Flow Performance of Supported Mono- and Bimetallic Nickel Catalysts for Catalytic Transfer Hydrogenation of Furfural in Isopropanol. <i>ChemCatChem</i> , <b>2018</b> , 10, 3459-3468	5-2	32
19	Activity of continuous flow synthesized Pd-based nanocatalysts in the flow hydroconversion of furfural. <i>Tetrahedron</i> , <b>2017</b> , 73, 5599-5604	2-4	31
18	An efficient route to 1,8-dioxo-octahydroxanthenes and -decahydroacridines using a sulfated zirconia catalyst. <i>Catalysis Communications</i> , <b>2017</b> , 97, 138-145	3-2	31
17	Morphological characteristics and composition of lipophilic extractives and lignin in Brazilian woods from different eucalypt hybrids. <i>Industrial Crops and Products</i> , <b>2012</b> , 36, 572-583	5-9	29
16	Lignin-carbohydrate complexes from sisal ( <i>Agave sisalana</i> ) and abaca ( <i>Musa textilis</i> ): chemical composition and structural modifications during the isolation process. <i>Planta</i> , <b>2016</b> , 243, 1143-58	4-7	29
15	Lipophilic extractives from the cortex and pith of elephant grass ( <i>Pennisetum purpureum</i> Schumach.) stems. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 6408-17	5-7	27
14	A comprehensive characterization of lipids in wheat straw. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 1904-13	5-7	26
13	Continuous-Flow Synthesis of Supported Magnetic Iron Oxide Nanoparticles for Efficient Isoeugenol Conversion into Vanillin. <i>ChemSusChem</i> , <b>2018</b> , 11, 389-396	8-3	24
12	BPPO-Based Anion Exchange Membranes for Acid Recovery via Diffusion Dialysis. <i>Materials</i> , <b>2017</b> , 10,	3-5	21
11	Enzymatic degradation of Elephant grass ( <i>Pennisetum purpureum</i> ) stems: influence of the pith and bark in the total hydrolysis. <i>Bioresource Technology</i> , <b>2014</b> , 167, 469-75	11	17
10	Dissolving Lignin in Water through Enzymatic Sulfation with Aryl Sulfotransferase. <i>ChemSusChem</i> , <b>2017</b> , 10, 2267-2273	8-3	14
9	Super-microporous silica-supported platinum catalyst for highly regioselective hydrosilylation. <i>Catalysis Communications</i> , <b>2017</b> , 97, 51-55	3-2	13
8	A chitosan modified Pt/SiO <sub>2</sub> catalyst for the synthesis of 3-poly(ethylene glycol) propyl ether-heptamethyltrisiloxane applied as agricultural synergistic agent. <i>Catalysis Communications</i> , <b>2018</b> , 104, 118-122	3-2	13
7	Lignin Depolymerisation and Lignocellulose Fractionation by Solvated Electrons in Liquid Ammonia. <i>ChemSusChem</i> , <b>2017</b> , 10, 1022-1032	8-3	10
6	Catalytic Versatility of Novel Sulfonamide Functionalized Magnetic Composites. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 4586-4593	8-3	9
5	Mechanistic insights into the microwave-assisted cinnamyl alcohol oxidation using supported iron and palladium catalysts. <i>Molecular Catalysis</i> , <b>2019</b> , 474, 110409	3-3	8

4	Microwave assisted benzyl alcohol oxidation using iron particles on furfuryl alcohol derived supports. <i>Catalysis Communications</i> , <b>2018</b> , 104, 67-70	3.2	8
3	A comprehensive study on the continuous flow synthesis of supported iron oxide nanoparticles on porous silicates and their catalytic applications. <i>Reaction Chemistry and Engineering</i> , <b>2018</b> , 3, 757-768	4.9	6
2	Electroconductive Composites from Polystyrene Block Copolymers and Cu-Alumina Filler. <i>Materials</i> , <b>2016</b> , 9,	3.5	2
1	Carbon Dioxide Biosequestration and Wastewater Treatment Using Microalgae. <i>Education for Sustainability</i> , <b>2019</b> , 241-270	0.2	