

# Timo Pääkkönen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7503719/publications.pdf>

Version: 2024-02-01

12  
papers

304  
citations

1039406

9  
h-index

1199166

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous preparation of cellulose nanocrystals and micron-sized porous colloidal particles of cellulose by TEMPO-mediated oxidation. <i>Green Chemistry</i> , 2015, 17, 808-811.	4.6	74
2	Effect of xylan in hardwood pulp on the reaction rate of TEMPO-mediated oxidation and the rheology of the final nanofibrillated cellulose gel. <i>Cellulose</i> , 2016, 23, 277-293.	2.4	51
3	Visualizing Degradation of Cellulose Nanofibers by Acid Hydrolysis. <i>Biomacromolecules</i> , 2021, 22, 1399-1405.	2.6	31
4	Sustainable High Yield Route to Cellulose Nanocrystals from Bacterial Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14384-14388.	3.2	28
5	Biowaste-derived electrode and electrolyte materials for flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 435, 135058.	6.6	25
6	From vapour to gas: optimising cellulose degradation with gaseous HCl. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 312-318.	1.9	24
7	Rate-limiting steps in bromide-free TEMPO-mediated oxidation of cellulose—Quantification of the N-Oxoammonium cation by iodometric titration and UV-vis spectroscopy. <i>Applied Catalysis A: General</i> , 2015, 505, 532-538.	2.2	21
8	Dissolution and Hydrolysis of Bleached Kraft Pulp Using Ionic Liquids. <i>Polymers</i> , 2019, 11, 673.	2.0	21
9	Alkali treatment of birch kraft pulp to enhance its TEMPO catalyzed oxidation with hypochlorite. <i>Cellulose</i> , 2014, 21, 2859-2869.	2.4	15
10	Activation of TEMPO by ClO <sub>2</sub> for oxidation of cellulose by hypochlorite—Fundamental and practical aspects of the catalytic system. <i>Carbohydrate Polymers</i> , 2017, 174, 524-530.	5.1	5
11	Native Structure of the Plant Cell Wall Utilized for Top-Down Assembly of Aligned Cellulose Nanocrystals into Micrometer-Sized Nanoporous Particles. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000201.	2.0	5
12	Effect of Moisture on Polymer Deconstruction in HCl Gas Hydrolysis of Wood. <i>ACS Omega</i> , 2022, 7, 7074-7083.	1.6	4