Timo PÃ¤Ã¤kkÃ¶nen

List of Publications by Year
in descending order

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	Biowaste-derived electrode and electrolyte materials for flexible supercapacitors. Chemical Engineering Journal, 2022, 435, 135058.	6.6	25
2	Effect of Moisture on Polymer Deconstruction in HCl Gas Hydrolysis of Wood. ACS Omega, 2022, 7, 7074-7083.	1.6	4
3	Visualizing Degradation of Cellulose Nanofibers by Acid Hydrolysis. Biomacromolecules, 2021, 22, 1399-1405.	2.6	31
4	Native Structure of the Plant Cell Wall Utilized for Topâ€Down Assembly of Aligned Cellulose Nanocrystals into Micrometerâ€Sized Nanoporous Particles. Macromolecular Rapid Communications, 2020, 41, 2000201.	2.0	5
5	Sustainable High Yield Route to Cellulose Nanocrystals from Bacterial Cellulose. ACS Sustainable Chemistry and Engineering, 2019, 7, 14384-14388.	3.2	28
6	Dissolution and Hydrolysis of Bleached Kraft Pulp Using Ionic Liquids. Polymers, 2019, 11, 673.	2.0	21
7	From vapour to gas: optimising cellulose degradation with gaseous HCl. Reaction Chemistry and Engineering, 2018, 3, 312-318.	1.9	24
8	Activation of TEMPO by ClO2 for oxidation of cellulose by hypochloriteâ€”Fundamental and practical aspects of the catalytic system. Carbohydrate Polymers, 2017, 174, 524-530.	5.1	5
9	Effect of xylan in hardwood pulp on the reaction rate of TEMPO-mediated oxidation and the rheology of the final nanofibrillated cellulose gel. Cellulose, 2016, 23, 277-293.	2.4	51
10	Rate-limiting steps in bromide-free TEMPO-mediated oxidation of celluloseâ€”Quantification of the N-Oxoammonium cation by iodometric titration and UVâ€“vis spectroscopy. Applied Catalysis A: General, 2015, 505, 532-538.	2.2	21
11	Simultaneous preparation of cellulose nanocrystals and micron-sized porous colloidal particles of cellulose by TEMPO-mediated oxidation. Green Chemistry, 2015, 17, 808-811.	4.6	74
12	Alkali treatment of birch kraft pulp to enhance its TEMPO catalyzed oxidation with hypochlorite. Cellulose, 2014, 21, 2859-2869.	2.4	15