

Ana F Lourenço

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

553
citations

516215

16
h-index

713013

21
g-index

21
all docs

21
docs citations

21
times ranked

600
citing authors

#	ARTICLE	IF	CITATIONS
1	On the morphology of cellulose nanofibrils obtained by TEMPO-mediated oxidation and mechanical treatment. <i>Micron</i> , 2015, 72, 28-33.	1.1	72
2	Influence of TEMPO-oxidised cellulose nanofibrils on the properties of filler-containing papers. <i>Cellulose</i> , 2017, 24, 349-362.	2.4	49
3	Evaluating the genotoxicity of cellulose nanofibrils in a co-culture of human lung epithelial cells and monocyte-derived macrophages. <i>Toxicology Letters</i> , 2018, 291, 173-183.	0.4	39
4	Tuning rheology and aggregation behaviour of TEMPO-oxidised cellulose nanofibrils aqueous suspensions by addition of different acids. <i>Carbohydrate Polymers</i> , 2020, 237, 116109.	5.1	39
5	Enzymatic nanocellulose in papermaking – The key role as filler flocculant and strengthening agent. <i>Carbohydrate Polymers</i> , 2019, 224, 115200.	5.1	34
6	Cationic cellulosic derivatives as flocculants in papermaking. <i>Cellulose</i> , 2017, 24, 3015-3027.	2.4	31
7	Evaluation of Silica-Coated PCC as New Modified Filler for Papermaking. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5095-5099.	1.8	30
8	Modification of precipitated calcium carbonate with cellulose esters and use as filler in papermaking. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2425-2430.	2.7	30
9	The relevance of the pretreatment on the chemical modification of cellulosic fibers. <i>Cellulose</i> , 2019, 26, 5925-5936.	2.4	30
10	Carboxymethylated cellulose nanofibrils in papermaking: influence on filler retention and paper properties. <i>Cellulose</i> , 2019, 26, 3489-3502.	2.4	29
11	New modified filler obtained by silica formed by sol-gel method on calcium carbonate. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 25-31.	1.1	25
12	Increase of the filler content in papermaking by using a silica-coated PCC filler. <i>Nordic Pulp and Paper Research Journal</i> , 2014, 29, 240-245.	0.3	25
13	Influence of initial chemical composition and characteristics of pulps on the production and properties of lignocellulosic nanofibers. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 453-461.	3.6	24
14	Cellulose micro and nanofibrils as coating agent for improved printability in office papers. <i>Cellulose</i> , 2020, 27, 6001-6010.	2.4	24
15	Surface properties of distinct nanofibrillated celluloses assessed by inverse gas chromatography. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 36-41.	2.3	19
16	Improving Paper Mechanical Properties Using Silica-modified Ground Calcium Carbonate as Filler. <i>BioResources</i> , 2015, 10, .	0.5	17
17	A comprehensive study on nanocelluloses in papermaking: the influence of common additives on filler retention and paper strength. <i>Cellulose</i> , 2020, 27, 5297-5309.	2.4	16
18	Surface properties of calcium carbonate modified with silica by sol-gel method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 1-7.	2.3	9

#	ARTICLE	IF	CITATIONS
19	Precipitated calcium carbonate modified by the layer-by-layer deposition methodâ€”Its potential as papermaking filler. <i>Chemical Engineering Research and Design</i> , 2015, 104, 807-813.	2.7	8
20	Papermaking trials in a pilot paper machine with a new silica coated PCC filler. <i>Nordic Pulp and Paper Research Journal</i> , 2016, 31, 341-346.	0.3	2
21	Nanocelluloses: Production, Characterization and Market. <i>Advances in Experimental Medicine and Biology</i> , 2022, 1357, 129-151.	0.8	1