

Ana Balea

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

30
papers

759
citations

17
h-index

27
g-index

32
ext. papers

974
ext. citations

4.8
avg, IF

4.68
L-index

#	Paper	IF	Citations
30	Critical comparison of the properties of cellulose nanofibers produced from softwood and hardwood through enzymatic, chemical and mechanical processes.. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	1
29	Nanocellulose characterization challenges. <i>BioResources</i> , 2021 , 16, 4382-4410	1.3	13
28	Chitosan grafted/cross-linked with biodegradable polymers: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 178, 325-343	7.9	24
27	Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review. <i>Materials</i> , 2021 , 14,	3.5	4
26	Fiber reinforced cement based composites 2021 , 597-648		3
25	Correlation between rheological measurements and morphological features of lignocellulosic micro/nanofibers from different softwood sources. <i>International Journal of Biological Macromolecules</i> , 2021 , 187, 789-799	7.9	4
24	Comparison Of Mechanical And Chemical Nanocellulose As Additives To Reinforce Recycled Cardboard. <i>Scientific Reports</i> , 2020 , 10, 3778	4.9	24
23	Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. <i>Water (Switzerland)</i> , 2020 , 12, 1567	3	1
22	A reproducible method to characterize the bulk morphology of cellulose nanocrystals and nanofibers by transmission electron microscopy. <i>Cellulose</i> , 2020 , 27, 4871-4887	5.5	17
21	Industrial Application of Nanocelluloses in Papermaking: A Review of Challenges, Technical Solutions, and Market Perspectives. <i>Molecules</i> , 2020 , 25,	4.8	53
20	In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. <i>Molecules</i> , 2019 , 24,	4.8	26
19	Pickering Emulsions Containing Cellulose Microfibers Produced by Mechanical Treatments as Stabilizer in the Food Industry. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 359	2.6	31
18	Nanocelluloses: Natural-Based Materials for Fiber-Reinforced Cement Composites. A Critical Review. <i>Polymers</i> , 2019 , 11,	4.5	49
17	Cellulose nanofibers and chitosan to remove flexographic inks from wastewaters. <i>Environmental Science: Water Research and Technology</i> , 2019 , 5, 1558-1567	4.2	19
16	Green Production of Glycerol Ketals with a Clay-Based Heterogeneous Acid Catalyst. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4488	2.6	7
15	Learning by doing: Chem-E-Car□ motivating experience. <i>Education for Chemical Engineers</i> , 2019 , 26, 24-29.4		3
14	Cellulose nanofibers from residues to improve linting and mechanical properties of recycled paper. <i>Cellulose</i> , 2018 , 25, 1339-1351	5.5	17

13	Mechanical and chemical dispersion of nanocelluloses to improve their reinforcing effect on recycled paper. <i>Cellulose</i> , 2018 , 25, 269-280	5.5	39
12	Nanocellulose for Industrial Use: Cellulose Nanofibers (CNF), Cellulose Nanocrystals (CNC), and Bacterial Cellulose (BC) 2018 , 74-126		65
11	Combined effect of sodium carboxymethyl cellulose, cellulose nanofibers and drainage aids in recycled paper production process. <i>Carbohydrate Polymers</i> , 2018 , 183, 201-206	10.3	12
10	Study of The Reaction Mechanism to Produce Nanocellulose-Graft-Chitosan Polymer. <i>Nanomaterials</i> , 2018 , 8,	5.4	14
9	Assessing the influence of refining, bleaching and TEMPO-mediated oxidation on the production of more sustainable cellulose nanofibers and their application as paper additives. <i>Industrial Crops and Products</i> , 2017 , 97, 374-387	5.9	36
8	Application of cellulose nanofibers to remove water-based flexographic inks from wastewaters. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5049-5059	5.1	17
7	Synergies between cellulose nanofibers and retention additives to improve recycled paper properties and the drainage process. <i>Cellulose</i> , 2017 , 24, 2987-3000	5.5	36
6	Lignocellulosic micro/nanofibers from wood sawdust applied to recycled fibers for the production of paper bags. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 664-670	7.9	14
5	Interactions between cellulose nanofibers and retention systems in flocculation of recycled fibers. <i>Cellulose</i> , 2017 , 24, 677-692	5.5	22
4	Enhancement of the fermentation process and properties of bacterial cellulose: a review. <i>Cellulose</i> , 2016 , 23, 57-91	5.5	136
3	Valorization of Corn Stalk by the Production of Cellulose Nanofibers to Improve Recycled Paper Properties. <i>BioResources</i> , 2016 , 11,	1.3	23
2	Effect of Bleached Eucalyptus and Pine Cellulose Nanofibers on the Physico-Mechanical Properties of Cartonboard. <i>BioResources</i> , 2016 , 11,	1.3	22
1	Identification of Recalcitrant Stickies and Their Sources in Newsprint Production. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 6239-6250	3.9	25