

# Ana Balea

## List of Publications by Citations

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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	Enhancement of the fermentation process and properties of bacterial cellulose: a review. <i>Cellulose</i> , <b>2016</b> , 23, 57-91	5.5	136
29	Nanocellulose for Industrial Use: Cellulose Nanofibers (CNF), Cellulose Nanocrystals (CNC), and Bacterial Cellulose (BC) <b>2018</b> , 74-126		65
28	Industrial Application of Nanocelluloses in Papermaking: A Review of Challenges, Technical Solutions, and Market Perspectives. <i>Molecules</i> , <b>2020</b> , 25,	4.8	53
27	Nanocelluloses: Natural-Based Materials for Fiber-Reinforced Cement Composites. A Critical Review. <i>Polymers</i> , <b>2019</b> , 11,	4.5	49
26	Mechanical and chemical dispersion of nanocelluloses to improve their reinforcing effect on recycled paper. <i>Cellulose</i> , <b>2018</b> , 25, 269-280	5.5	39
25	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> , <b>2017</b> , 97, 374-387	5.9	36
24	Synergies between cellulose nanofibers and retention additives to improve recycled paper properties and the drainage process. <i>Cellulose</i> , <b>2017</b> , 24, 2987-3000	5.5	36
23	Pickering Emulsions Containing Cellulose Microfibers Produced by Mechanical Treatments as Stabilizer in the Food Industry. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 359	2.6	31
22	In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. <i>Molecules</i> , <b>2019</b> , 24,	4.8	26
21	Identification of Recalcitrant Stickies and Their Sources in Newsprint Production. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 6239-6250	3.9	25
20	Comparison Of Mechanical And Chemical Nanocellulose As Additives To Reinforce Recycled Cardboard. <i>Scientific Reports</i> , <b>2020</b> , 10, 3778	4.9	24
19	Chitosan grafted/cross-linked with biodegradable polymers: A review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 178, 325-343	7.9	24
18	Valorization of Corn Stalk by the Production of Cellulose Nanofibers to Improve Recycled Paper Properties. <i>BioResources</i> , <b>2016</b> , 11,	1.3	23
17	Interactions between cellulose nanofibers and retention systems in flocculation of recycled fibers. <i>Cellulose</i> , <b>2017</b> , 24, 677-692	5.5	22
16	Effect of Bleached Eucalyptus and Pine Cellulose Nanofibers on the Physico-Mechanical Properties of Cartonboard. <i>BioResources</i> , <b>2016</b> , 11,	1.3	22
15	Cellulose nanofibers and chitosan to remove flexographic inks from wastewaters. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 1558-1567	4.2	19
14	Application of cellulose nanofibers to remove water-based flexographic inks from wastewaters. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 5049-5059	5.1	17

13	A reproducible method to characterize the bulk morphology of cellulose nanocrystals and nanofibers by transmission electron microscopy. <i>Cellulose</i> , <b>2020</b> , 27, 4871-4887	5.5	17
12	Cellulose nanofibers from residues to improve linting and mechanical properties of recycled paper. <i>Cellulose</i> , <b>2018</b> , 25, 1339-1351	5.5	17
11	Lignocellulosic micro/nanofibers from wood sawdust applied to recycled fibers for the production of paper bags. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 664-670	7.9	14
10	Study of The Reaction Mechanism to Produce Nanocellulose-Graft-Chitosan Polymer. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	14
9	Nanocellulose characterization challenges. <i>BioResources</i> , <b>2021</b> , 16, 4382-4410	1.3	13
8	Combined effect of sodium carboxymethyl cellulose, cellulose nanofibers and drainage aids in recycled paper production process. <i>Carbohydrate Polymers</i> , <b>2018</b> , 183, 201-206	10.3	12
7	Green Production of Glycerol Ketals with a Clay-Based Heterogeneous Acid Catalyst. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 4488	2.6	7
6	Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
5	Correlation between rheological measurements and morphological features of lignocellulosic micro/nanofibers from different softwood sources. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 187, 789-799	7.9	4
4	Learning by doing: Chem-E-Car□ motivating experience. <i>Education for Chemical Engineers</i> , <b>2019</b> , 26, 24-29.4		3
3	Fiber reinforced cement based composites <b>2021</b> , 597-648		3
2	Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1567	3	1
1	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> , <b>2022</b> ,	7.9	1