# Ana Balea

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8357018/publications.pdf

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|---|---|---|---|
| 32 papers | 1,268 citations | 361045 20 h-index | 454577 30 g-index |
| 32 all docs | 32 docs citations | 32 times ranked | 1314 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhancement of the fermentation process and properties of bacterial cellulose: a review. Cellulose, 2016, 23, 57-91. | 2.4 | 197 |
| 2 | Nanocellulose for Industrial Use. , 2018, , 74-126. | | 105 |
| 3 | Industrial Application of Nanocelluloses in Papermaking: A Review of Challenges, Technical Solutions, and Market Perspectives. Molecules, 2020, 25, 526. | 1.7 | 86 |
| 4 | Nanocelluloses: Natural-Based Materials for Fiber-Reinforced Cement Composites. A Critical Review. Polymers, 2019, 11, 518. | 2.0 | 82 |
| 5 | Chitosan grafted/cross-linked with biodegradable polymers: A review. International Journal of Biological Macromolecules, 2021, 178, 325-343. | 3.6 | 72 |
| 6 | Assessing the influence of refining, bleaching and TEMPO-mediated oxidation on the production of more sustainable cellulose nanofibers and their application as paper additives. Industrial Crops and Products, 2017, 97, 374-387. | 2.5 | 55 |
| 7 | Pickering Emulsions Containing Cellulose Microfibers Produced by Mechanical Treatments as Stabilizer in the Food Industry. Applied Sciences (Switzerland), 2019, 9, 359. | 1.3 | 53 |
| 8 | Mechanical and chemical dispersion of nanocelluloses to improve their reinforcing effect on recycled paper. Cellulose, 2018, 25, 269-280. | 2.4 | 52 |
| 9 | Synergies between cellulose nanofibers and retention additives to improve recycled paper properties and the drainage process. Cellulose, 2017, 24, 2987-3000. | 2.4 | 43 |
| 10 | Comparison Of Mechanical And Chemical Nanocellulose As Additives To Reinforce Recycled Cardboard. Scientific Reports, 2020, 10, 3778. | 1.6 | 42 |
| 11 | In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. Molecules, 2019, 24, 1800. | 1.7 | 40 |
| 12 | Nanocellulose characterization challenges. BioResources, 2021, 16, 4382-4410. | 0.5 | 34 |
| 13 | A reproducible method to characterize the bulk morphology of cellulose nanocrystals and nanofibers by transmission electron microscopy. Cellulose, 2020, 27, 4871-4887. | 2.4 | 33 |
| 14 | Identification of Recalcitrant Stickies and Their Sources in Newsprint Production. Industrial & Engineering Chemistry Research, 2008, 47, 6239-6250. | 1.8 | 32 |
| 15 | Valorization of Corn Stalk by the Production of Cellulose Nanofibers to Improve Recycled Paper Properties. BioResources, 2016, 11, . | 0.5 | 31 |
| 16 | Critical comparison of the properties of cellulose nanofibers produced from softwood and hardwood through enzymatic, chemical and mechanical processes. International Journal of Biological Macromolecules, 2022, 205, 220-230. | 3.6 | 31 |
| 17 | Cellulose nanofibers and chitosan to remove flexographic inks from wastewaters. Environmental Science: Water Research and Technology, 2019, 5, 1558-1567. | 1.2 | 30 |
| 18 | Effect of Bleached Eucalyptus and Pine Cellulose Nanofibers on the Physico-Mechanical Properties of Cartonboard. BioResources, 2016, 11, . | 0.5 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Interactions between cellulose nanofibers and retention systems in flocculation of recycled fibers. Cellulose, 2017, 24, 677-692. | 2.4 | 28 |
| 20 | Cellulose nanofibers from residues to improve linting and mechanical properties of recycled paper. Cellulose, 2018, 25, 1339-1351. | 2.4 | 25 |
| 21 | Application of cellulose nanofibers to remove water-based flexographic inks from wastewaters. Environmental Science and Pollution Research, 2017, 24, 5049-5059. | 2.7 | 22 |
| 22 | Optimization of reagent consumption in TEMPO-mediated oxidation of Eucalyptus cellulose to obtain cellulose nanofibers. Cellulose, 2022, 29, 6611-6627. | 2.4 | 22 |
| 23 | Lignocellulosic micro/nanofibers from wood sawdust applied to recycled fibers for the production of paper bags. International Journal of Biological Macromolecules, 2017, 105, 664-670. | 3.6 | 19 |
| 24 | Study of The Reaction Mechanism to Produce Nanocellulose-Graft-Chitosan Polymer. Nanomaterials, 2018, 8, 883. | 1.9 | 19 |
| 25 | Combined effect of sodium carboxymethyl cellulose, cellulose nanofibers and drainage aids in recycled paper production process. Carbohydrate Polymers, 2018, 183, 201-206. | 5.1 | 18 |
| 26 | Correlation between rheological measurements and morphological features of lignocellulosic micro/nanofibers from different softwood sources. International Journal of Biological Macromolecules, 2021, 187, 789-799. | 3.6 | 17 |
| 27 | Green Production of Glycerol Ketals with a Clay-Based Heterogeneous Acid Catalyst. Applied Sciences (Switzerland), 2019, 9, 4488. | 1.3 | 14 |
| 28 | Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review. Materials, 2021, 14, 2408. | 1.3 | 14 |
| 29 | Gel Point as Measurement of Dispersion Degree of Nano-Cellulose Suspensions and Its Application in Papermaking. Nanomaterials, 2022, 12, 790. | 1.9 | 9 |
| 30 | Learning by doing: Chem-E-CarÂ® motivating experience. Education for Chemical Engineers, 2019, 26, 24-29. | 2.8 | 8 |
| 31 | Fiber reinforced cement based composites. , 2021, , 597-648. | | 4 |
| 32 | Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. Water (Switzerland), 2020, 12, 1567. | 1.2 | 3 |