NoemÃ- Merayo

List of Publications by Year
in descending order

35 papers	1,394 citations	361045 20 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	1673 citing authors

#	ARTICLE	IF	CITATIONS
1	The application of advanced oxidation technologies to the treatment of effluents from the pulp and paper industry: a review. Environmental Science and Pollution Research, 2015, 22, 168-191.	2.7	129
2	Effect of Cu doping on the anatase-to-rutile phase transition in TiO2 photocatalysts: Theory and experiments. Applied Catalysis B: Environmental, 2019, 246, 266-276.	10.8	119
3	Nanocellulose for Industrial Use. , 2018, , 74-126.		105
4	Assessing the application of advanced oxidation processes, and their combination with biological treatment, to effluents from pulp and paper industry. Journal of Hazardous Materials, 2013, 262, 420-427.	6.5	89
5	Industrial Application of Nanocelluloses in Papermaking: A Review of Challenges, Technical Solutions, and Market Perspectives. Molecules, 2020, 25, 526.	1.7	86
6	A review on greywater reuse: quality, risks, barriers and global scenarios. Reviews in Environmental Science and Biotechnology, 2019, 18, 77-99.	3.9	81
7	Optimization of conventional Fenton and ultraviolet-assisted oxidation processes for the treatment of reverse osmosis retentate from a paper mill. Waste Management, 2012, 32, 1236-1243.	3.7	77
8	Comparison of different wastewater treatments for removal of selected endocrine-disruptors from paper mill wastewaters. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1350-1363.	0.9	55
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. Industrial Crops and Products, 2017, 97, 374-387.	2.5	55
10	Mechanical and chemical dispersion of nanocelluloses to improve their reinforcing effect on recycled paper. Cellulose, 2018, 25, 269-280.	2.4	52
11	Direct production of cellulose nanocrystals from old newspapers and recycled newsprint. Carbohydrate Polymers, 2017, 173, 489-496.	5.1	44
12	Synergies between cellulose nanofibers and retention additives to improve recycled paper properties and the drainage process. Cellulose, 2017, 24, 2987-3000.	2.4	43
13	In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. Molecules, 2019, 24, 1800.	1.7	40
14	Low-fibrillated bacterial cellulose nanofibers as a sustainable additive to enhance recycled paper quality. International Journal of Biological Macromolecules, 2018, 114, 1077-1083.	3.6	38
15	Application of Multi-Barrier Membrane Filtration Technologies to Reclaim Municipal Wastewater for Industrial Use. Separation and Purification Reviews, 2014, 43, 263-310.	2.8	37
16	Valorization of Corn Stalk by the Production of Cellulose Nanofibers to Improve Recycled Paper Properties. BioResources, 2016, 11, .	0.5	31
17	Optimization of the Fenton treatment of 1,4-dioxane and on-line FTIR monitoring of the reaction. Journal of Hazardous Materials, 2014, 268, 102-109.	6.5	28
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 on-line FTIR methodology to study the mechanisms of heterogeneous advanced oxidation processes. Applied Catalysis B: Environmental, 2016, 185, 344-352.	10.8	23
22	In situ production of bacterial cellulose to economically improve recycled paper properties. International Journal of Biological Macromolecules, 2018, 118, 1532-1541.	3.6	22
23	Solar light assisted photocatalytic degradation of 1,4-dioxane using high temperature stable anatase W-TiO2 nanocomposites. Catalysis Today, 2021, 380, 199-208.	2.2	20
24	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
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	Synthesis of NiFe2O4-LDH Composites with High Adsorption and Photocatalytic Activity for Methyl Orange Degradation. Inorganics, 2018, 6, 98.	1.2	18
27	Simulation study on comparison of algal treatment to conventional biological processes for greywater treatment. Algal Research, 2018, 35, 106-114.	2.4	17
28	Green Production of Glycerol Ketals with a Clay-Based Heterogeneous Acid Catalyst. Applied Sciences (Switzerland), 2019, 9, 4488.	1.3	14
29	Assessing the use of zero-valent iron microspheres to catalyze Fenton treatment processes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 69, 54-60.	2.7	12
30	Modification of TiO₂ with hBN: high temperature anatase phase stabilisation and photocatalytic degradation of 1,4-dioxane. JPhys Materials, 2020, 3, 015009.	1.8	11
31	On-line FTIR as a novel tool to monitor Fenton process behavior. Chemical Engineering Journal, 2013, 232, 519-526.	6.6	9
32	Learning by doing: Chem-E-CarÂ® motivating experience. Education for Chemical Engineers, 2019, 26, 24-29.	2.8	8
33	The possibility of removal of endocrine disrupters from paper mill waste waters using anaerobic and aerobic biological treatment, membrane bioreactor, ultra-filtration, reverse osmosis and advanced oxidation processes. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	6
34	Influence of Alkalinity on the Efficiency and Catalyst Behavior of Photoâ€Assisted Processes. Chemical Engineering and Technology, 2016, 39, 158-165.	0.9	4
35	Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. Water (Switzerland), 2020, 12, 1567.	1.2	3