

Carlos Negro

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8567570/publications.pdf>

Version: 2024-02-01

156
papers

4,683
citations

109137

35
h-index

133063

59
g-index

158
all docs

158
docs citations

158
times ranked

4520
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste management from pulp and paper production in the European Union. Waste Management, 2009, 29, 293-308.	3.7	476
2	Anaerobic membrane bioreactors for wastewater treatment: A review. Chemical Engineering Journal, 2012, 198-199, 138-148.	6.6	255
3	Enhancement of the fermentation process and properties of bacterial cellulose: a review. Cellulose, 2016, 23, 57-91.	2.4	197
4	Aggregation and breakage kinetics of fresh cement paste. Cement and Concrete Research, 2013, 50, 1-10.	4.6	107
5	Nanocellulose for Industrial Use. , 2018, , 74-126.		105
6	Eucalyptus pulp fibres as alternative reinforcement to engineered cement-based composites. Industrial Crops and Products, 2010, 31, 225-232.	2.5	96
7	Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO ₂ composite with monodisperse TiO ₂ nanoparticles. Applied Catalysis B: Environmental, 2016, 180, 44-52.	10.8	89
8	Improvement of deinked old newspaper/old magazine pulp suspensions by means of nanofibrillated cellulose addition. Cellulose, 2015, 22, 789-802.	2.4	88
9	The use of LDS as a tool to evaluate flocculation mechanisms. Chemical Engineering and Processing: Process Intensification, 2008, 47, 1323-1332.	1.8	86
10	Industrial Application of Nanocelluloses in Papermaking: A Review of Challenges, Technical Solutions, and Market Perspectives. Molecules, 2020, 25, 526.	1.7	86
11	Polyacrylamide induced flocculation of a cement suspension. Chemical Engineering Science, 2006, 61, 2522-2532.	1.9	85
12	Nanocelluloses: Natural-Based Materials for Fiber-Reinforced Cement Composites. A Critical Review. Polymers, 2019, 11, 518.	2.0	82
13	Flocculation Monitoring: Focused Beam Reflectance Measurement as a Measurement Tool. Canadian Journal of Chemical Engineering, 2002, 80, 1-7.	0.9	74
14	Chitosan grafted/cross-linked with biodegradable polymers: A review. International Journal of Biological Macromolecules, 2021, 178, 325-343.	3.6	72
15	Use of cellulose fibers from hemp core in fiber-cement production. Effect on flocculation, retention, drainage and product properties. Industrial Crops and Products, 2012, 39, 89-96.	2.5	71
16	Slime problems in the paper and board industry. Applied Microbiology and Biotechnology, 1996, 46, 203-208.	1.7	67
17	Enzymatic approaches in paper industry for pulp refining and biofilm control. Applied Microbiology and Biotechnology, 2012, 96, 327-344.	1.7	62
18	Corn stalk from agricultural residue used as reinforcement fiber in fiber-cement production. Industrial Crops and Products, 2013, 43, 832-839.	2.5	58

#	ARTICLE	IF	CITATIONS
19	Peer Reviewed: The Challenges of Sustainable Papermaking. <i>Environmental Science & Technology</i> , 2004, 38, 414A-420A.	4.6	56
20	Effect of Shearing Forces and Flocculant Overdose on Filler Flocculation Mechanisms and Floc Properties. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 9105-9112.	1.8	56
21	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.	2.5	55
22	Pickering Emulsions Containing Cellulose Microfibers Produced by Mechanical Treatments as Stabilizer in the Food Industry. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 359.	1.3	53
23	Mechanical and chemical dispersion of nanocelluloses to improve their reinforcing effect on recycled paper. <i>Cellulose</i> , 2018, 25, 269-280.	2.4	52
24	Treatment of a Mature Landfill Leachate: Comparison between Homogeneous and Heterogeneous Photo-Fenton with Different Pretreatments. <i>Water (Switzerland)</i> , 2019, 11, 1849.	1.2	52
25	Removal of 1,4-dioxane from industrial wastewaters: Routes of decomposition under different operational conditions to determine the ozone oxidation capacity. <i>Journal of Hazardous Materials</i> , 2014, 280, 340-347.	6.5	50
26	Effect of polyelectrolyte morphology and adsorption on the mechanism of nanocellulose flocculation. <i>Journal of Colloid and Interface Science</i> , 2016, 481, 158-167.	5.0	44
27	Direct production of cellulose nanocrystals from old newspapers and recycled newsprint. <i>Carbohydrate Polymers</i> , 2017, 173, 489-496.	5.1	44
28	Synergies between cellulose nanofibers and retention additives to improve recycled paper properties and the drainage process. <i>Cellulose</i> , 2017, 24, 2987-3000.	2.4	43
29	Evaluation of flocs resistance and reflocculation capacity using the LDS technique. <i>Powder Technology</i> , 2008, 183, 231-238.	2.1	42
30	Comparison Of Mechanical And Chemical Nanocellulose As Additives To Reinforce Recycled Cardboard. <i>Scientific Reports</i> , 2020, 10, 3778.	1.6	42
31	Influence of flocculant molecular weight and anionic charge on flocculation behaviour and on the manufacture of fibre cement composites by the Hatschek process. <i>Cement and Concrete Research</i> , 2005, 35, 2095-2103.	4.6	41
32	In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. <i>Molecules</i> , 2019, 24, 1800.	1.7	40
33	FREE ACIDS AND CHEMICALS RECOVERY FROM STAINLESS STEEL PICKLING BATHS. <i>Separation Science and Technology</i> , 2001, 36, 1543-1556.	1.3	39
34	Accumulation of dissolved and colloidal material in papermaking—Application to simulation. <i>Chemical Engineering Journal</i> , 2009, 148, 385-393.	6.6	38
35	Low-fibrillated bacterial cellulose nanofibers as a sustainable additive to enhance recycled paper quality. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1077-1083.	3.6	38
36	Modelling PCC flocculation by bridging mechanism using population balances: Effect of polymer characteristics on flocculation. <i>Chemical Engineering Science</i> , 2010, 65, 3798-3807.	1.9	37

#	ARTICLE	IF	CITATIONS
37	Application of Multi-Barrier Membrane Filtration Technologies to Reclaim Municipal Wastewater for Industrial Use. <i>Separation and Purification Reviews</i> , 2014, 43, 263-310.	2.8	37
38	Use of New Branched Cationic Polyacrylamides to Improve Retention and Drainage in Papermaking. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 9370-9375.	1.8	35
39	Effect of Water Cationic Content on Flocculation, Flocs Resistance and Reflocculation Capacity of PCC Induced by Polyelectrolytes. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6006-6013.	1.8	35
40	Flocculation mechanism induced by phenolic resin/PEO and floc properties. <i>AIChE Journal</i> , 2005, 51, 1022-1031.	1.8	34
41	Polymeric Branched Flocculant Effect on the Flocculation Process of Pulp Suspensions in the Papermaking Industry. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 4826-4836.	1.8	34
42	Nanocellulose characterization challenges. <i>BioResources</i> , 2021, 16, 4382-4410.	0.5	34
43	A reproducible method to characterize the bulk morphology of cellulose nanocrystals and nanofibers by transmission electron microscopy. <i>Cellulose</i> , 2020, 27, 4871-4887.	2.4	33
44	Methodology for flocculant selection in fibre-cement manufacture. <i>Cement and Concrete Composites</i> , 2006, 28, 90-96.	4.6	32
45	Nickel Hydroxide Recovery from Stainless Steel Pickling Liquors by Selective Precipitation. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5750-5756.	1.8	31
46	Valorization of Corn Stalk by the Production of Cellulose Nanofibers to Improve Recycled Paper Properties. <i>BioResources</i> , 2016, 11, .	0.5	31
47	Comparison and Predesign Cost Assessment of Different Advanced Oxidation Processes for the Treatment of 1,4-Dioxane-Containing Wastewater from the Chemical Industry. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5888-5894.	3.2	31
48	Ozone potential to fight against SAR-COV-2 pandemic: facts and research needs. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16517-16531.	2.7	31
49	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, 205, 220-230.	3.6	31
50	Cellulose nanofibers and chitosan to remove flexographic inks from wastewaters. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1558-1567.	1.2	30
51	Increasing the Possibilities of TEMPO-Mediated Oxidation in the Production of Cellulose Nanofibers by Reducing the Reaction Time and Reusing the Reaction Medium. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000277.	2.7	29
52	Effects of wood polysaccharides on pitch deposition. <i>Nordic Pulp and Paper Research Journal</i> , 2000, 15, 607-613.	0.3	28
53	Characterisation of agricultural residues used as a source of fibres for fibre-cement production. <i>Industrial Crops and Products</i> , 2012, 36, 14-21.	2.5	28
54	Effect of Bleached Eucalyptus and Pine Cellulose Nanofibers on the Physico-Mechanical Properties of Cartonboard. <i>BioResources</i> , 2016, 11, .	0.5	28

#	ARTICLE	IF	CITATIONS
55	Interactions between cellulose nanofibers and retention systems in flocculation of recycled fibers. <i>Cellulose</i> , 2017, 24, 677-692.	2.4	28
56	Tuning morphology and structure of non-woody nanocellulose: Ranging between nanofibers and nanocrystals. <i>Industrial Crops and Products</i> , 2021, 171, 113877.	2.5	28
57	Characterizing highly fibrillated nanocellulose by modifying the gel point methodology. <i>Carbohydrate Polymers</i> , 2020, 227, 115340.	5.1	27
58	Cellulose nanofibers from residues to improve linting and mechanical properties of recycled paper. <i>Cellulose</i> , 2018, 25, 1339-1351.	2.4	25
59	Effect of sepiolite on the flocculation of suspensions of fibre-reinforced cement. <i>Cement and Concrete Research</i> , 2010, 40, 1524-1530.	4.6	24
60	Treatment of mature landfill leachate by electrocoagulation followed by Fenton or UVA-LED photo-Fenton processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 119, 33-44.	2.7	24
61	Hairy cationic nanocrystalline cellulose as a novel flocculant of clay. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 153-161.	5.0	23
62	Structure and superparamagnetic behaviour of magnetite nanoparticles in cellulose beads. <i>Materials Research Bulletin</i> , 2010, 45, 946-953.	2.7	22
63	Application of cellulose nanofibers to remove water-based flexographic inks from wastewaters. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5049-5059.	2.7	22
64	In situ production of bacterial cellulose to economically improve recycled paper properties. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1532-1541.	3.6	22
65	Influence of pretreatment and mechanical nanofibrillation energy on properties of nanofibers from Aspen cellulose. <i>Cellulose</i> , 2021, 28, 9187-9206.	2.4	22
66	Optimization of reagent consumption in TEMPO-mediated oxidation of Eucalyptus cellulose to obtain cellulose nanofibers. <i>Cellulose</i> , 2022, 29, 6611-6627.	2.4	22
67	Study of Filler Flocculation Mechanisms and Flocc Properties Induced by Polyethylenimine. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 5616-5621.	1.8	21
68	Fluoride Speciation in Stainless Steel Pickling Liquor. <i>ISIJ International</i> , 2006, 46, 281-286.	0.6	21
69	Development of a methodology to predict sticky deposits due to the destabilisation of dissolved and colloidal material in papermaking application to different systems. <i>Chemical Engineering Journal</i> , 2004, 105, 21-29.	6.6	20
70	Effects of flocculants and sizing agents on bending strength of fiber cement composites. <i>Cement and Concrete Research</i> , 2005, 35, 2104-2109.	4.6	20
71	Separation of Contaminants from Deinking Process Water by Dissolved Air Flotation: Effect of Flocculant Charge Density. <i>Separation Science and Technology</i> , 2008, 43, 3732-3754.	1.3	20
72	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 1. Laboratory Tests. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2199-2205.	1.8	20

#	ARTICLE	IF	CITATIONS
73	Microfibrilated cellulose as a model for soft colloid flocculation with polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 516, 325-335.	2.3	20
74	In-depth characterization of the aggregation state of cellulose nanocrystals through analysis of transmission electron microscopy images. <i>Carbohydrate Polymers</i> , 2021, 254, 117271.	5.1	20
75	Evaluation of the Flocculation and Reflocculation Performance of a System with Calcium Carbonate, Cationic Acrylamide Co-polymers, and Bentonite Microparticles. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 198-206.	1.8	19
76	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.	3.6	19
77	Study of The Reaction Mechanism to Produce Nanocellulose-Graft-Chitosan Polymer. <i>Nanomaterials</i> , 2018, 8, 883.	1.9	19
78	Direct estimation of microalgal flocs fractal dimension through laser reflectance and machine learning. <i>Algal Research</i> , 2019, 37, 240-247.	2.4	19
79	Use of modelling and simulation in the pulp and paper industry. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2009, 15, 409-423.	1.4	18
80	Drivers and economic aspects for the implementation of advanced wastewater treatment and water reuse in a PVC plant. <i>Water Resources and Industry</i> , 2016, 14, 26-30.	1.9	18
81	Simplification of gel point characterization of cellulose nano and microfiber suspensions. <i>Cellulose</i> , 2021, 28, 6995-7006.	2.4	18
82	In-line flocculation monitoring in a Hatschek machine for fibre cement manufacture. <i>Composites Part A: Applied Science and Manufacturing</i> , 2007, 38, 26-33.	3.8	17
83	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.	3.6	17
84	Determination of iron and chromium fluorides solubility for the treatment of wastes from stainless steel mills. <i>Chemical Engineering Journal</i> , 2008, 136, 116-125.	6.6	16
85	Optimal use of flocculants on the manufacture of fibre cement materials by the Hatschek process. <i>Construction and Building Materials</i> , 2010, 24, 158-164.	3.2	16
86	Microalgae harvesting with the novel flocculant hairy cationic nanocrystalline cellulose. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 329-336.	2.5	16
87	Monitoring fibrillation in the mechanical production of lignocellulosic micro/nanofibers from bleached spruce thermomechanical pulp. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 354-362.	3.6	16
88	Mechanism and kinetic control of the oxyprecipitation of sulphuric liquors from steel pickling. <i>Chemical Engineering Journal</i> , 1997, 68, 173-187.	6.6	15
89	Feasibility Study of Metals Recycling from Nitric-Hydrofluoric Waste Pickle Baths. <i>Environmental Engineering Science</i> , 2004, 21, 583-590.	0.8	15
90	NANOCELLULOSE AND ITS POTENTIAL USE FOR SUSTAINABLE INDUSTRIAL APPLICATIONS. <i>Latin American Applied Research</i> , 2020, 50, 59-64.	0.2	15

#	ARTICLE	IF	CITATIONS
91	Monitoring of Dissolved Air Flotation by Focused Beam Reflectance Measurement. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7256-7263.	1.8	14
92	Optimization of the Fiber Cement Composite Process. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 197-205.	1.8	14
93	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 2. Field Trials. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3672-3677.	1.8	14
94	Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review. <i>Materials</i> , 2021, 14, 2408.	1.3	14
95	Assessing an Integral Treatment for Landfill Leachate Reverse Osmosis Concentrate. <i>Catalysts</i> , 2020, 10, 1389.	1.6	13
96	Breaking load and bending strength prediction in manufacture of fibre cement composites using artificial neural networks and a flocculation sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , 2005, 36, 1617-1626.	3.8	12
97	Rotor selection for a Searle-type device to study the rheology of paper pulp suspensions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007, 46, 37-44.	1.8	12
98	Effect of sepiolite on retention and drainage of suspensions of fiber-reinforced cement. <i>Construction and Building Materials</i> , 2010, 24, 2117-2123.	3.2	12
99	Evaluation of an Alternative Flocculation System for Manufacture of Fiber-reinforced Cement Composites. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 6672-6678.	1.8	11
100	Micro- and Nanofibrillated Cellulose from Annual Plant-Sourced Fibers: Comparison between Enzymatic Hydrolysis and Mechanical Refining. <i>Nanomaterials</i> , 2022, 12, 1612.	1.9	11
101	Electrochemical Treatment of Black Liquor from Straw Pulping. <i>Separation Science and Technology</i> , 1996, 31, 2705-2712.	1.3	10
102	Improving deposition tester to study adherent deposits in papermaking. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1491-1499.	2.7	10
103	Hairy cationic nanocrystalline cellulose as retention additive in recycled paper. <i>Cellulose</i> , 2019, 26, 6275-6289.	2.4	10
104	Protocol for the synthesis of Ba-hexaferrites with prefixed coercivities. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 172, 308-316.	1.0	9
105	Recovery of the Metals from Pickling Liquors of Stainless Steel by Precipitation Methods.. <i>ISIJ International</i> , 2001, 41, 801-806.	0.6	9
106	Interaction of dissolved and colloidal material during the mixing of different pulps. <i>Holzforchung</i> , 2010, 64, .	0.9	9
107	On-line FTIR as a novel tool to monitor Fenton process behavior. <i>Chemical Engineering Journal</i> , 2013, 232, 519-526.	6.6	9
108	Laser reflectance measurement for the online monitoring of <i>Chlorella sorokiniana</i> biomass concentration. <i>Journal of Biotechnology</i> , 2017, 243, 10-15.	1.9	9

#	ARTICLE	IF	CITATIONS
109	UVA-LED Technology's Treatment Efficiency and Cost in a Competitive Trial Applied to the Photo-Fenton Treatment of Landfill Leachate. <i>Processes</i> , 2021, 9, 1026.	1.3	9
110	Gel Point as Measurement of Dispersion Degree of Nano-Cellulose Suspensions and Its Application in Papermaking. <i>Nanomaterials</i> , 2022, 12, 790.	1.9	9
111	Optimization of Pitch Removal by Dissolved Air Flotation in a Eucalyptus Kraft Mill. <i>Separation Science and Technology</i> , 2005, 40, 1129-1143.	1.3	8
112	Routine to estimate composition of concentrated metal nitric hydrofluoric acid pickle liquors. <i>Hydrometallurgy</i> , 2009, 96, 88-94.	1.8	8
113	New Tool To Monitor Biofilm Growth in Industrial Process Waters. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5766-5773.	1.8	8
114	Learning by doing: Chem-E-Car® motivating experience. <i>Education for Chemical Engineers</i> , 2019, 26, 24-29.	2.8	8
115	The treatment of hydrochloric acid waste pickle liquors. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1993, 28, 1651-1667.	0.1	7
116	Mathematical model of magnetite synthesis by oxidation of sulfuric pickling liquors from steelmaking. <i>Chemical Engineering Communications</i> , 2002, 189, 285-297.	1.5	7
117	Kinetics of $K_2FeF_5 \cdot H_2O$ (s) and $CrF_3 \cdot 2H_2O$ (s) Crystallization from Stainless Steel Spent Pickling Baths. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 5221-5227.	1.8	7
118	MBR+RO Combination for PVC Production Effluent Reclamation in the Resin Polymerization Step: A Case Study. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 6250-6259.	1.8	7
119	Estimation of <i>Chlamydomonas reinhardtii</i> biomass concentration from chord length distribution data. <i>Journal of Applied Phycology</i> , 2016, 28, 2315-2322.	1.5	7
120	Combining Coagulation and Electrocoagulation with UVA-LED Photo-Fenton to Improve the Efficiency and Reduce the Cost of Mature Landfill Leachate Treatment. <i>Molecules</i> , 2021, 26, 6425.	1.7	7
121	Application of advanced data treatment to predict paper properties. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2009, 15, 453-462.	1.4	6
122	Assessment of the Performance of Membrane Bioreactors Applied to the Treatment of Industrial Effluents Containing Poly(vinyl alcohol). <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5442-5449.	1.8	6
123	Artificial neural network for aspect ratio prediction of lignocellulosic micro/nanofibers. <i>Cellulose</i> , 2022, 29, 5609-5622.	2.4	6
124	Synthesis of M-type hexaferrites from steel pickling liquors (ID 109). <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 125-126.	1.0	5
125	IMPROVEMENT OF CERAMIC METHOD FOR SYNTHESIZING M-TYPE HEXAFERRITES. <i>Chemical Engineering Communications</i> , 1998, 167, 227-244.	1.5	5
126	Hydrolysis of iron and chromium fluorides: Mechanism and kinetics. <i>Journal of Hazardous Materials</i> , 2008, 154, 135-145.	6.5	5

#	ARTICLE	IF	CITATIONS
127	Water Reuse Within the Paper Industry. Handbook of Environmental Chemistry, 2015, , 213-237.	0.2	5
128	Treatment and recovery of pickling liquors. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1994, 29, 1899-1926.	0.1	4
129	Assessing the Effect of Inorganic Anions on TiO ₂ -Photocatalysis and Ozone Oxidation Treatment Efficiencies. Journal of Advanced Oxidation Technologies, 2012, 15, .	0.5	4
130	Estimating fractal dimension of microalgal flocs through confocal laser scanning microscopy and computer modelling. Algal Research, 2017, 28, 74-79.	2.4	4
131	Effect of sepiolite addition on fibre-cement based on MgO-SiO ₂ , systems. Cement and Concrete Research, 2019, 124, 105816.	4.6	4
132	Fiber reinforced cement based composites. , 2021, , 597-648.		4
133	Sustainable recovery of wastewater to be reused in cooling towers: Towards circular economy approach. Journal of Water Process Engineering, 2021, 41, 102064.	2.6	4
134	Reclaimed water use in industrial cooling circuits: Compatibility with TP11 biocides. Journal of Water Process Engineering, 2021, 43, 102227.	2.6	4
135	Synthesis of BaFe ₁₂ O ₁₉ by Oxi-Coprecipitation from Hydrochloric Steel Pickling Liquors. European Physical Journal Special Topics, 1997, 07, C1-85-C1-86.	0.2	3
136	Evaluation of a flocculation dual system as a novel alternative for fiber-cement manufacture: Effect on product strength. Chemical Engineering and Processing: Process Intensification, 2008, 47, 755-760.	1.8	3
137	Corrigendum to "Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO ₂ composite with monodisperse TiO ₂ nanoparticles" [Appl. Catal. B: Environ. 180 (2016) 44-52]. Applied Catalysis B: Environmental, 2016, 196, 232.	10.8	3
138	Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. Water (Switzerland), 2020, 12, 1567.	1.2	3
139	Site best suitable for the disposal of urban solid waste. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1993, 28, 1037-1054.	0.1	2
140	Mathematical model of goethite synthesis by oxyprecipitation of steel pickling liquors. The Chemical Engineering Journal and the Biochemical Engineering Journal, 1995, 59, 287-291.	0.1	2
141	KINETICS AND MECHANISM OF THE OXYPRECIPITATION OF WASTE HYDROCHLORIC PICKLING LIQUORS. Chemical Engineering Communications, 1996, 145, 53-71.	1.5	2
142	Water Demineralization. , 2015, , 1-3.		2
143	Model-based performance and energy analyses of reverse osmosis to reuse wastewater in a PVC production site. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1218-1225.	0.9	2
144	Assessing demineralization treatments for PVC effluent reuse in the resin polymerization step. Environmental Science and Pollution Research, 2017, 24, 16631-16638.	2.7	2

#	ARTICLE	IF	CITATIONS
145	Model-based energy and uncertainty analysis of membrane bioreactor to treat PVC production site wastewater. <i>Biochemical Engineering Journal</i> , 2018, 129, 7-15.	1.8	2
146	Modelling and Simulation in the Pulp and Paper Industry Current State and Future Perspectives. , 2008, , 311-325.		2
147	Effect of chemical flocculation mechanisms on rheology of fibre pulp suspensions. <i>Nordic Pulp and Paper Research Journal</i> , 2006, 21, 336-341.	0.3	1
148	On-line monitorization in a decarbonator-settling tank for water treatment. , 2010, , .		1
149	Corrosi3n inducida por microorganismos en la industria papelera. <i>Revista De Metalurgia</i> , 1998, 34, 62-66.	0.1	1
150	2011. La cita de la qu3mica con la sociedad. <i>Arbor</i> , 2011, 187, 159-165.	0.1	0
151	Water Demineralization. , 2016, , 1983-1985.		0
152	Reuse of Paper Mill Effluents, <i>Membranes for.</i> , 2016, , 1731-1732.		0
153	Hatschek process as a way to valorize agricultural wastes. , 2017, , 267-290.		0
154	Separaci3n selectiva de hierro y cromo de las lej3as agotadas del decapado de acero inoxidable. <i>Revista De Metalurgia</i> , 2005, 41, 475-478.	0.1	0
155	Optimal Iron Oxides for Obtaining Hexaferrites. <i>European Physical Journal Special Topics</i> , 1997, 07, C1-87-C1-88.	0.2	0
156	Effect of Sepiolite on Mechanical and Physical Properties of Fiber Cement. <i>ACI Materials Journal</i> , 2014, 111, .	0.3	0