

# Carlos Negro

## List of Publications by Year in Descending Order

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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.

144  
papers

3,352  
citations

31  
h-index

51  
g-index

158  
ext. papers

3,971  
ext. citations

5.5  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
144	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
143	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> , <b>2021</b> , 26,	4.8	2
142	Nanocellulose characterization challenges. <i>BioResources</i> , <b>2021</b> , 16, 4382-4410	1.3	13
141	Monitoring fibrillation in the mechanical production of lignocellulosic micro/nanofibers from bleached spruce thermomechanical pulp. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 178, 354-362	7.9	8
140	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
139	Recycled Fibers for Sustainable Hybrid Fiber Cement Based Material: A Review. <i>Materials</i> , <b>2021</b> , 14,	3.5	4
138	Simplification of gel point characterization of cellulose nano and microfiber suspensions. <i>Cellulose</i> , <b>2021</b> , 28, 6995-7006	5.5	5
137	UVA-LED Technology Treatment Efficiency and Cost in a Competitive Trial Applied to the Photo-Fenton Treatment of Landfill Leachate. <i>Processes</i> , <b>2021</b> , 9, 1026	2.9	1
136	Sustainable recovery of wastewater to be reused in cooling towers: Towards circular economy approach. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 41, 102064	6.7	2
135	In-depth characterization of the aggregation state of cellulose nanocrystals through analysis of transmission electron microscopy images. <i>Carbohydrate Polymers</i> , <b>2021</b> , 254, 117271	10.3	7
134	Fiber reinforced cement based composites <b>2021</b> , 597-648		3
133	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> , <b>2021</b> , 5, 2000277	5.9	4
132	Ozone potential to fight against SAR-COV-2 pandemic: facts and research needs. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 16517-16531	5.1	11
131	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> , <b>2021</b> , 119, 33-44	5.3	9
130	Influence of pretreatment and mechanical nanofibrillation energy on properties of nanofibers from Aspen cellulose. <i>Cellulose</i> , <b>2021</b> , 28, 9187-9206	5.5	2
129	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
128	Reclaimed water use in industrial cooling circuits: Compatibility with TP11 biocides. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 43, 102227	6.7	1

127	Tuning morphology and structure of non-woody nanocellulose: Ranging between nanofibers and nanocrystals. <i>Industrial Crops and Products</i> , <b>2021</b> , 171, 113877	5.9	3
126	Assessing an Integral Treatment for Landfill Leachate Reverse Osmosis Concentrate. <i>Catalysts</i> , <b>2020</b> , 10, 1389	4	5
125	Comparison Of Mechanical And Chemical Nanocellulose As Additives To Reinforce Recycled Cardboard. <i>Scientific Reports</i> , <b>2020</b> , 10, 3778	4.9	24
124	Modelling the Mineralization of Formaldehyde by Treatment with Nitric Acid. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1567	3	1
123	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
122	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
121	NANOCELLULOSE AND ITS POTENTIAL USE FOR SUSTAINABLE INDUSTRIAL APPLICATIONS. <i>Latin American Applied Research</i> , <b>2020</b> , 50, 59-64	1.5	5
120	Characterizing highly fibrillated nanocellulose by modifying the gel point methodology. <i>Carbohydrate Polymers</i> , <b>2020</b> , 227, 115340	10.3	14
119	Treatment of a Mature Landfill Leachate: Comparison between Homogeneous and Heterogeneous Photo-Fenton with Different Pretreatments. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 1849	3	30
118	In Situ Production and Application of Cellulose Nanofibers to Improve Recycled Paper Production. <i>Molecules</i> , <b>2019</b> , 24,	4.8	26
117	Hairy cationic nanocrystalline cellulose as retention additive in recycled paper. <i>Cellulose</i> , <b>2019</b> , 26, 6275-6289	5.5	7
116	Hairy cationic nanocrystalline cellulose as a novel flocculant of clay. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 545, 153-161	9.3	15
115	Microalgae harvesting with the novel flocculant hairy cationic nanocrystalline cellulose. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 178, 329-336	6	11
114	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
113	Nanocelluloses: Natural-Based Materials for Fiber-Reinforced Cement Composites. A Critical Review. <i>Polymers</i> , <b>2019</b> , 11,	4.5	49
112	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
111	Effect of sepiolite addition on fibre-cement based on MgO-SiO <sub>2</sub> systems. <i>Cement and Concrete Research</i> , <b>2019</b> , 124, 105816	10.3	2
110	Learning by doing: Chem-E-Car□ motivating experience. <i>Education for Chemical Engineers</i> , <b>2019</b> , 26, 24-29.4	2.4	3

109	Direct estimation of microalgal flocs fractal dimension through laser reflectance and machine learning. <i>Algal Research</i> , <b>2019</b> , 37, 240-247	5	11
108	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
107	Low-fibrillated bacterial cellulose nanofibers as a sustainable additive to enhance recycled paper quality. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 1077-1083	7.9	23
106	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> , <b>2018</b> , 6, 5888-5894	8.3	20
105	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
104	Model-based energy and uncertainty analysis of membrane bioreactor to treat PVC production site wastewater. <i>Biochemical Engineering Journal</i> , <b>2018</b> , 129, 7-15	4.2	1
103	Nanocellulose for Industrial Use: Cellulose Nanofibers (CNF), Cellulose Nanocrystals (CNC), and Bacterial Cellulose (BC) <b>2018</b> , 74-126		65
102	In situ production of bacterial cellulose to economically improve recycled paper properties. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 118, 1532-1541	7.9	13
101	Study of The Reaction Mechanism to Produce Nanocellulose-Graft-Chitosan Polymer. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	14
100	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
99	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
98	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
97	Direct production of cellulose nanocrystals from old newspapers and recycled newsprint. <i>Carbohydrate Polymers</i> , <b>2017</b> , 173, 489-496	10.3	32
96	Microfibrillated cellulose as a model for soft colloid flocculation with polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 516, 325-335	5.1	14
95	Laser reflectance measurement for the online monitoring of <i>Chlorella sorokiniana</i> biomass concentration. <i>Journal of Biotechnology</i> , <b>2017</b> , 243, 10-15	3.7	4
94	Assessing demineralization treatments for PVC effluent reuse in the resin polymerization step. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 16631-16638	5.1	0
93	Hatschek process as a way to valorize agricultural wastes <b>2017</b> , 267-290		
92	Model-based performance and energy analyses of reverse osmosis to reuse wastewater in a PVC production site. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2017</b> , 52, 1218-1225	2.3	1

91	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
90	Estimating fractal dimension of microalgal flocs through confocal laser scanning microscopy and computer modelling. <i>Algal Research</i> , <b>2017</b> , 28, 74-79	5	3
89	Interactions between cellulose nanofibers and retention systems in flocculation of recycled fibers. <i>Cellulose</i> , <b>2017</b> , 24, 677-692	5.5	22
88	Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO <sub>2</sub> composite with monodisperse TiO <sub>2</sub> nanoparticles. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 180, 44-52	21.8	75
87	Estimation of biomass concentration from chord length distribution data. <i>Journal of Applied Phycology</i> , <b>2016</b> , 28, 2315-2322	3.2	3
86	Drivers and economic aspects for the implementation of advanced wastewater treatment and water reuse in a PVC plant. <i>Water Resources and Industry</i> , <b>2016</b> , 14, 26-30	4.5	12
85	Enhancement of the fermentation process and properties of bacterial cellulose: a review. <i>Cellulose</i> , <b>2016</b> , 23, 57-91	5.5	136
84	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
83	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
82	MBR+RO Combination for PVC Production Effluent Reclamation in the Resin Polymerization Step: A Case Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 6250-6259	3.9	6
81	Corrigendum to [Degradation of 1,4-dioxane from industrial wastewater by solar photocatalysis using immobilized NF-TiO <sub>2</sub> composite with monodisperse TiO <sub>2</sub> nanoparticles] [Appl. Catal. B: Environ. 180 (2016) 44-52]. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 196, 232	21.8	3
80	Effect of polyelectrolyte morphology and adsorption on the mechanism of nanocellulose flocculation. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 481, 158-67	9.3	35
79	Assessment of the Performance of Membrane Bioreactors Applied to the Treatment of Industrial Effluents Containing Poly(vinyl alcohol). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 5442-5449	3.9	5
78	Water Reuse Within the Paper Industry. <i>Handbook of Environmental Chemistry</i> , <b>2015</b> , 213-237	0.8	2
77	Evaluation of the Flocculation and Reflocculation Performance of a System with Calcium Carbonate, Cationic Acrylamide Co-polymers, and Bentonite Microparticles. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 198-206	3.9	12
76	Improvement of deinked old newspaper/old magazine pulp suspensions by means of nanofibrillated cellulose addition. <i>Cellulose</i> , <b>2015</b> , 22, 789-802	5.5	77
75	Application of Multi-Barrier Membrane Filtration Technologies to Reclaim Municipal Wastewater for Industrial Use. <i>Separation and Purification Reviews</i> , <b>2014</b> , 43, 263-310	7.3	23
74	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> , <b>2014</b> , 280, 340-7	12.8	40

73	Reuse of Paper Mill Effluents, Membranes for <b>2014</b> , 1-2		
72	On-line FTIR as a novel tool to monitor Fenton process behavior. <i>Chemical Engineering Journal</i> , <b>2013</b> , 232, 519-526	14.7	8
71	Corn stalk from agricultural residue used as reinforcement fiber in fiber-cement production. <i>Industrial Crops and Products</i> , <b>2013</b> , 43, 832-839	5.9	42
70	Aggregation and breakage kinetics of fresh cement paste. <i>Cement and Concrete Research</i> , <b>2013</b> , 50, 1-10	10.3	75
69	Characterisation of agricultural residues used as a source of fibres for fibre-cement production. <i>Industrial Crops and Products</i> , <b>2012</b> , 36, 14-21	5.9	26
68	Use of cellulose fibers from hemp core in fiber-cement production. Effect on flocculation, retention, drainage and product properties. <i>Industrial Crops and Products</i> , <b>2012</b> , 39, 89-96	5.9	59
67	Improving deposition tester to study adherent deposits in papermaking. <i>Chemical Engineering Research and Design</i> , <b>2012</b> , 90, 1491-1499	5.5	6
66	Anaerobic membrane bioreactors for wastewater treatment: A review. <i>Chemical Engineering Journal</i> , <b>2012</b> , 198-199, 138-148	14.7	216
65	Enzymatic approaches in paper industry for pulp refining and biofilm control. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 96, 327-44	5.7	49
64	Assessing the Effect of Inorganic Anions on TiO <sub>2</sub> -Photocatalysis and Ozone Oxidation Treatment Efficiencies. <i>Journal of Advanced Oxidation Technologies</i> , <b>2012</b> , 15,		4
63	New Tool To Monitor Biofilm Growth in Industrial Process Waters. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2011</b> , 50, 5766-5773	3.9	8
62	Interaction of dissolved and colloidal material during the mixing of different pulps. <i>Holzforschung</i> , <b>2010</b> , 64,	2	8
61	Structure and superparamagnetic behaviour of magnetite nanoparticles in cellulose beads. <i>Materials Research Bulletin</i> , <b>2010</b> , 45, 946-953	5.1	19
60	Eucalyptus pulp fibres as alternative reinforcement to engineered cement-based composites. <i>Industrial Crops and Products</i> , <b>2010</b> , 31, 225-232	5.9	82
59	Effect of sepiolite on the flocculation of suspensions of fibre-reinforced cement. <i>Cement and Concrete Research</i> , <b>2010</b> , 40, 1524-1530	10.3	19
58	Modelling PCC flocculation by bridging mechanism using population balances: Effect of polymer characteristics on flocculation. <i>Chemical Engineering Science</i> , <b>2010</b> , 65, 3798-3807	4.4	32
57	Optimal use of flocculants on the manufacture of fibre cement materials by the Hatschek process. <i>Construction and Building Materials</i> , <b>2010</b> , 24, 158-164	6.7	14
56	Effect of sepiolite on retention and drainage of suspensions of fiber-reinforced cement. <i>Construction and Building Materials</i> , <b>2010</b> , 24, 2117-2123	6.7	11

55	Application of advanced data treatment to predict paper properties. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2009</b> , 15, 453-462	1	4
54	Routine to estimate composition of concentrated metalnitricHydrofluoric acid pickle liquors. <i>Hydrometallurgy</i> , <b>2009</b> , 96, 88-94	4	8
53	Waste management from pulp and paper production in the European Union. <i>Waste Management</i> , <b>2009</b> , 29, 293-308	8.6	387
52	Accumulation of dissolved and colloidal material in papermakingApplication to simulation. <i>Chemical Engineering Journal</i> , <b>2009</b> , 148, 385-393	14.7	30
51	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 1. Laboratory Tests. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 2199-2205	3.9	17
50	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 2. Field Trials. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 3672-3679	3.9	13
49	Polymeric Branched Flocculant Effect on the Flocculation Process of Pulp Suspensions in the Papermaking Industry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 4826-4836	3.9	30
48	Use of modelling and simulation in the pulp and paper industry. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , <b>2009</b> , 15, 409-423	1	12
47	Separation of Contaminants from Deinking Process Water by Dissolved Air Flotation: Effect of Flocculant Charge Density. <i>Separation Science and Technology</i> , <b>2008</b> , 43, 3732-3754	2.5	18
46	Use of New Branched Cationic Polyacrylamides to Improve Retention and Drainage in Papermaking. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 9370-9375	3.9	32
45	Effect of Water Cationic Content on Flocculation, Flocc Resistance and Reflocculation Capacity of PCC Induced by Polyelectrolytes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 6006-6013	3.9	31
44	Determination of iron and chromium fluorides solubility for the treatment of wastes from stainless steel mills. <i>Chemical Engineering Journal</i> , <b>2008</b> , 136, 116-125	14.7	15
43	Flocculation Monitoring: Focused Beam Reflectance Measurement as a Measurement Tool. <i>Canadian Journal of Chemical Engineering</i> , <b>2008</b> , 80, 1-7	2.3	48
42	Evaluation of flocc resistance and reflocculation capacity using the LDS technique. <i>Powder Technology</i> , <b>2008</b> , 183, 231-238	5.2	37
41	Hydrolysis of iron and chromium fluorides: mechanism and kinetics. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 154, 135-45	12.8	5
40	The use of LDS as a tool to evaluate flocculation mechanisms. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2008</b> , 47, 1323-1332	3.7	72
39	Evaluation of a flocculation dual system as a novel alternative for fiber-cement manufacture: Effect on product strength. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2008</b> , 47, 755-760	3.7	2
38	Modelling and Simulation in the Pulp and Paper Industry Current State and Future Perspectives <b>2008</b> , 311-325		

37	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 &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 5221-5227	3.9	6
36	Rotor selection for a Searle-type device to study the rheology of paper pulp suspensions. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2007</b> , 46, 37-44	3.7	12
35	In-line flocculation monitoring in a Hatschek machine for fibre/cement manufacture. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2007</b> , 38, 26-33	8.4	15
34	Evaluation of an Alternative Flocculation System for Manufacture of Fiber/Cement Composites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 6672-6678	3.9	9
33	Monitoring of Dissolved Air Flotation by Focused Beam Reflectance Measurement. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 7256-7263	3.9	13
32	Optimization of the Fiber Cement Composite Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 197-205	3.9	12
31	Fluoride Speciation in Stainless Steel Pickling Liquor. <i>ISIJ International</i> , <b>2006</b> , 46, 281-286	1.7	17
30	Methodology for flocculant selection in fibre/cement manufacture. <i>Cement and Concrete Composites</i> , <b>2006</b> , 28, 90-96	8.6	28
29	Polyacrylamide induced flocculation of a cement suspension. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 2522-2532	4.4	60
28	Effect of chemical flocculation mechanisms on rheology of fibre pulp suspensions. <i>Nordic Pulp and Paper Research Journal</i> , <b>2006</b> , 21, 336-341	1.1	1
27	Nickel Hydroxide Recovery from Stainless Steel Pickling Liquors by Selective Precipitation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 5750-5756	3.9	26
26	Effect of Shearing Forces and Flocculant Overdose on Filler Flocculation Mechanisms and Floc Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 9105-9112	3.9	47
25	Study of Filler Flocculation Mechanisms and Floc Properties Induced by Polyethylenimine. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 5616-5621	3.9	18
24	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> , <b>2005</b> , 36, 1617-1626	8.4	12
23	Optimization of Pitch Removal by Dissolved Air Flotation in a Eucalyptus Kraft Mill. <i>Separation Science and Technology</i> , <b>2005</b> , 40, 1129-1143	2.5	8
22	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> , <b>2005</b> , 35, 2095-2103	10.3	30
21	Effects of flocculants and sizing agents on bending strength of fiber cement composites. <i>Cement and Concrete Research</i> , <b>2005</b> , 35, 2104-2109	10.3	13
20	Flocculation mechanism induced by phenolic resin/PEO and floc properties. <i>AIChE Journal</i> , <b>2005</b> , 51, 1022-1031	3.6	31



19	Feasibility Study of Metals Recycling from Nitric-Hydrofluoric Waste Pickle Baths. <i>Environmental Engineering Science</i> , <b>2004</b> , 21, 583-590	2	12
18	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> , <b>2004</b> , 105, 21-29	14.7	17
17	The challenges of sustainable papermaking. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 414A-420A.3	4.3	43
16	Mathematical model of magnetite synthesis by oxidation of sulfuric pickling liquors from steelmaking. <i>Chemical Engineering Communications</i> , <b>2002</b> , 189, 285-297	2.2	7
15	Recovery of the Metals from Pickling Liquors of Stainless Steel by Precipitation Methods.. <i>ISIJ International</i> , <b>2001</b> , 41, 801-806	1.7	9
14	FREE ACIDS AND CHEMICALS RECOVERY FROM STAINLESS STEEL PICKLING BATHS. <i>Separation Science and Technology</i> , <b>2001</b> , 36, 1543-1556	2.5	37
13	Effects of wood polysaccharides on pitch deposition. <i>Nordic Pulp and Paper Research Journal</i> , <b>2000</b> , 15, 607-613	1.1	23
12	IMPROVEMENT OF CERAMIC METHOD FOR SYNTHESIZING M-TYPE HEXAFERRITES. <i>Chemical Engineering Communications</i> , <b>1998</b> , 167, 227-244	2.2	5
11	Synthesis of BaFe <sub>12</sub> O <sub>19</sub> by Oxi-Coprecipitation from Hydrochloric Steel Pickling Liquors. <i>European Physical Journal Special Topics</i> , <b>1997</b> , 07, C1-85-C1-86		3
10	Protocol for the synthesis of Ba-hexaferrites with prefixed coercivities. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1997</b> , 172, 308-316	2.8	8
9	Mechanism and kinetic control of the oxyprecipitation of sulphuric liquors from steel pickling. <i>Chemical Engineering Journal</i> , <b>1997</b> , 68, 173-187	14.7	13
8	Slime problems in the paper and board industry. <i>Applied Microbiology and Biotechnology</i> , <b>1996</b> , 46, 203-208	2.8	62
7	Synthesis of M-type hexaferrites from steel pickling liquors (ID 109). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1996</b> , 157-158, 125-126	2.8	5
6	Electrochemical Treatment of Black Liquor from Straw Pulping. <i>Separation Science and Technology</i> , <b>1996</b> , 31, 2705-2712	2.5	9
5	KINETICS AND MECHANISM OF THE OXYPRECIPITATION OF WASTE HYDROCHLORIC PICKLING LIQUORS. <i>Chemical Engineering Communications</i> , <b>1996</b> , 145, 53-71	2.2	2
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