Ruben Miranda

List of Publications by Citations

34 papers	506 citations	15 h-index	21 g-index
34 ext. papers	628 ext. citations	5.5 avg, IF	4.19 L-index

#	Paper	IF	Citations
34	Silica removal from newsprint mill effluents with aluminum salts. *Chemical Engineering Journal*, **2013**, 230, 522-531	14.7	35
33	Direct production of cellulose nanocrystals from old newspapers and recycled newsprint. *Carbohydrate Polymers*, **2017**, 173, 489-496	10.3	32
32	Treatment of a Mature Landfill Leachate: Comparison between Homogeneous and Heterogeneous Photo-Fenton with Different Pretreatments. *Water (Switzerland)*, **2019**, 11, 1849	3	30
31	Accumulation of dissolved and colloidal material in papermaking: Application to simulation. *Chemical Engineering Journal*, **2009**, 148, 385-393	14.7	30
30	Overcitation and overrepresentation of review papers in the most cited papers. *Journal of Informetrics*, **2018**, 12, 1015-1030	3.1	29
29	Silica removal in industrial effluents with high silica content and low hardness. *Environmental Science and Pollution Research*, **2014**, 21, 9832-42	5.1	25
28	Efficiency of chitosans for the treatment of papermaking process water by dissolved air flotation. *Chemical Engineering Journal*, **2013**, 231, 304-313	14.7	25
27	Identification of Recalcitrant Stickies and Their Sources in Newsprint Production. *Industrial & Engineering Chemistry Research*, **2008**, 47, 6239-6250	3.9	25
26	Analysis of the quality of the recovered paper from commingled collection systems. *Resources, Conservation and Recycling*, **2013**, 72, 60-66	11.9	23
25	A global, comprehensive review of literature related to paper recycling: A pressing need for a uniform system of terms and definitions. *Waste Management*, **2016**, 48, 64-71	8.6	22
24	Silica removal with sparingly soluble magnesium compounds. Part I. *Separation and Purification Technology*, **2014**, 138, 210-218	8.3	21
23	Separation of Contaminants from Deinking Process Water by Dissolved Air Flotation: Effect of Flocculant Charge Density. *Separation Science and Technology*, **2008**, 43, 3732-3754	2.5	18
22	Extending the limits of paper recycling - improvements along the paper value chain. *Forest Systems*, **2013**, 22, 471	0.9	18
21	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 1. Laboratory Tests. *Industrial & Engineering Chemistry Research*, **2009**, 48, 2199-2205	3.9	17
20	Optimization of silica removal with magnesium chloride in papermaking effluents: mechanistic and kinetic studies. *Environmental Science and Pollution Research*, **2016**, 23, 3707-17	5.1	16
19	Comparison of the share of documents and citations from different quartile journals in 25 research areas. *Scientometrics*, **2019**, 121, 479-501	3	15
18	Impact of increased collection rates and the use of commingled collection systems on the quality of recovered paper. Part 1: increased collection rates. *Waste Management*, **2011**, 31, 2208-16	8.6	14

17	Silica removal with sparingly soluble magnesium compounds. Part II. *Separation and Purification Technology*, **2015**, 149, 331-338	8.3	13
16	Enhanced Silica Removal by Polyamine- and Polyacrylamide-Polyaluminum Hybrid Coagulants. *Chemical Engineering and Technology*, **2015**, 38, 2045-2053	2	13
15	Internal Treatment of Process Waters in Paper Production by Dissolved Air Flotation with Newly Developed Chemicals. 2. Field Trials. *Industrial & Engineering Chemistry Research*, **2009**, 48, 3672-3677	3.9	13
14	Paper recycling framework, the "Wheel of Fiber". *Journal of Environmental Management*, **2016**, 174, 35-44	4.9	9
13	Treatment of mature landfill leachate by electrocoagulation followed by Fenton or UVA-LED photo-Fenton processes. *Journal of the Taiwan Institute of Chemical Engineers*, **2021**, 119, 33-44	5.3	9
12	A virtual lab as a complement to traditional hands-on labs: Characterization of an alkaline electrolyzer for hydrogen production. *Education for Chemical Engineers*, **2018**, 23, 7-17	2.4	8
11	Flocculation Efficiency of Chitosan for Papermaking Applications. *BioResources*, **2012**, 8,	1.3	7
10	Efficiency of Chitosan and their Combination with Bentonite as Retention Aids in Papermaking. *BioResources*, **2016**, 11,	1.3	7
9	INVITED ARTICLE: Building Journal Impact Factor Quartile into the Assessment of Academic Performance: A Case Study. *Participatory Educational Research*, **2020**, 7, 1-13	0.6	6
8	Efficiency of polyaluminum nitrate sulfate□polyamine hybrid coagulants for silica removal. *Desalination and Water Treatment*, **2016**, 57, 17973-17984		6
7	Assessing an Integral Treatment for Landfill Leachate Reverse Osmosis Concentrate. *Catalysts*, **2020**, 10, 1389	4	5
6	Understanding the Efficiency of Aluminum Coagulants Used in Dissolved Air Flotation (DAF). *Frontiers in Chemistry*, **2020**, 8, 27	5	5
5	Analysis of the journal impact factor and related bibliometric indicators in education and educational research category. *Education for Information*, **2021**, 37, 315-336	0.5	3
4	Teaching chemical engineering using Jupyter notebook: Problem generators and lecturing tools. *Education for Chemical Engineers*, **2021**, 37, 1-10	2.4	3
3	Effect of sepiolite addition on fibre-cement based on MgO-SiO□systems. *Cement and Concrete Research*, **2019**, 124, 105816	10.3	2
2	Time Variations of Macrostickies and Extractable Stickies Concentrations in Deinking. *Industrial & Engineering Chemistry Research*, **2010**, 49, 4933-4939	3.9	2
1	Silica Removal from a Paper Mill Effluent by Adsorption on Pseudoboehmite and □Al2O3. *Water (Switzerland)*, **2021**, 13, 2031	3	