

# Julio Lopez Rodriguez

## List of Publications by Citations

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22  
papers

295  
citations

10  
h-index

17  
g-index

22  
ext. papers

412  
ext. citations

8.1  
avg, IF

4.39  
L-index

#	Paper	IF	Citations
22	Application of nanofiltration for acidic waters containing rare earth elements: Influence of transition elements, acidity and membrane stability. <i>Desalination</i> , <b>2018</b> , 430, 33-44	10.3	40
21	Recovery of sulphuric acid and added value metals (Zn, Cu and rare earths) from acidic mine waters using nanofiltration membranes. <i>Separation and Purification Technology</i> , <b>2019</b> , 212, 180-190	8.3	36
20	Fabrication of thin-film nanocomposite nanofiltration membranes incorporated with aromatic amine-functionalized multiwalled carbon nanotubes. Rejection performance of inorganic pollutants from groundwater with improved acid and chlorine resistance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 384, 1233-18	14.7	34
19	Integration of nanofiltration membranes in recovery options of rare earth elements from acidic mine waters. <i>Journal of Cleaner Production</i> , <b>2019</b> , 210, 1249-1260	10.3	29
18	Evaluation of NF membranes as treatment technology of acid mine drainage: metals and sulfate removal. <i>Desalination</i> , <b>2018</b> , 440, 122-134	10.3	27
17	Increasing sustainability on the metallurgical industry by integration of membrane nanofiltration processes: Acid recovery. <i>Separation and Purification Technology</i> , <b>2019</b> , 226, 267-277	8.3	24
16	Comparison of acid-resistant ceramic and polymeric nanofiltration membranes for acid mine waters treatment. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122786	14.7	20
15	Integration of membrane technologies to enhance the sustainability in the treatment of metal-containing acidic liquid wastes. An overview. <i>Separation and Purification Technology</i> , <b>2021</b> , 265, 118485	8.3	14
14	Experimental and theoretical study of nanofiltration of weak electrolytes: SO <sub>4</sub> <sup>2-</sup> /HSO <sub>4</sub> <sup>-</sup> /H <sup>+</sup> system. <i>Journal of Membrane Science</i> , <b>2018</b> , 550, 389-398	9.6	13
13	Evaluation of an extreme acid-resistant sulphonamide based nanofiltration membrane for the valorisation of copper acidic effluents. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 127015	14.7	10
12	From nanofiltration membrane permeances to design projections for the remediation and valorisation of acid mine waters. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139780	10.2	9
11	Valorisation options for Zn and Cu recovery from metal influenced acid mine waters through selective precipitation and ion-exchange processes: promotion of on-site/off-site management options. <i>Journal of Environmental Management</i> , <b>2021</b> , 283, 112004	7.9	9
10	Arsenic impact on the valorisation schemes of acidic mine waters of the Iberian Pyrite Belt: Integration of selective precipitation and spiral-wound nanofiltration processes. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 403, 123886	12.8	7
9	Diffusion dialysis for the treatment of H <sub>2</sub> SO <sub>4</sub> -CuSO <sub>4</sub> solutions from electroplating plants: Ions membrane transport characterization and modelling. <i>Separation and Purification Technology</i> , <b>2021</b> , 266, 118215	8.3	7
8	AC Three-Phase Axial Flux Motor With Magnetized Superconductors. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2007</b> , 17, 1633-1636	1.8	5
7	Integration of membrane distillation as volume reduction technology for in-land desalination brines management: Pre-treatments and scaling limitations. <i>Journal of Environmental Management</i> , <b>2021</b> , 289, 112549	7.9	5
6	Acid recovery from copper metallurgical process streams polluted with arsenic by diffusion dialysis. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104692	6.8	3

5	An engineering model for solute transport in semi-aromatic polymeric nanofiltration membranes: Extension of Solution-Electro-Diffusion model to complex mixtures. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105262	6.8	2
4	Integration of Liquid-Liquid Membrane Contactors and Electrodialysis for Ammonia Recovery from Urban Wastewaters. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 359-361	0.3	1
3	Evaluating the integration of nanofiltration membranes in advanced water reclamation schemes using synthetic solutions: From phosphorous removal to phosphorous circularity. <i>Separation and Purification Technology</i> , <b>2022</b> , 290, 120914	8.3	0
2	Increasing Sustainability on the Metallurgical Industry by Integration of Membrane NF Processes: Acid Recovery. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 411-413	0.3	
1	Selectrodialysis and Ion-Exchange Resins as Integration Processes for Copper and Zinc Recovery from Metallurgical Streams Containing Arsenic. <i>Advances in Science, Technology and Innovation</i> , <b>2020</b> , 379-381	0.3	