

Julio Lopez Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

537
citations

623188

14
h-index

752256

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g-index

22
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22
docs citations

22
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of nanofiltration for acidic waters containing rare earth elements: Influence of transition elements, acidity and membrane stability. <i>Desalination</i> , 2018, 430, 33-44.	4.0	59
2	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> , 2020, 384, 123348.	6.6	56
3	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> , 2019, 212, 180-190.	3.9	54
4	Integration of nanofiltration membranes in recovery options of rare earth elements from acidic mine waters. <i>Journal of Cleaner Production</i> , 2019, 210, 1249-1260.	4.6	52
5	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> , 2021, 265, 118485.	3.9	41
6	Evaluation of NF membranes as treatment technology of acid mine drainage: metals and sulfate removal. <i>Desalination</i> , 2018, 440, 122-134.	4.0	39
7	Comparison of acid-resistant ceramic and polymeric nanofiltration membranes for acid mine waters treatment. <i>Chemical Engineering Journal</i> , 2020, 382, 122786.	6.6	39
8	Increasing sustainability on the metallurgical industry by integration of membrane nanofiltration processes: Acid recovery. <i>Separation and Purification Technology</i> , 2019, 226, 267-277.	3.9	28
9	Evaluation of an extreme acid-resistant sulphonamide based nanofiltration membrane for the valorisation of copper acidic effluents. <i>Chemical Engineering Journal</i> , 2021, 405, 127015.	6.6	26
10	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> , 2021, 283, 112004.	3.8	23
11	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> , 2021, 289, 112549.	3.8	19
12	Experimental and theoretical study of nanofiltration of weak electrolytes: $\text{SO}_4^{2-}/\text{HSO}_4^-/\text{H}^+$ system. <i>Journal of Membrane Science</i> , 2018, 550, 389-398.	4.1	18
13	From nanofiltration membrane permeances to design projections for the remediation and valorisation of acid mine waters. <i>Science of the Total Environment</i> , 2020, 738, 139780.	3.9	18
14	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> , 2021, 403, 123886.	6.5	15
15	Diffusion dialysis for the treatment of $\text{H}_2\text{SO}_4\text{-CuSO}_4$ solutions from electroplating plants: Ions membrane transport characterization and modelling. <i>Separation and Purification Technology</i> , 2021, 266, 118215.	3.9	15
16	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> , 2022, 290, 120914.	3.9	10
17	Acid recovery from copper metallurgical process streams polluted with arsenic by diffusion dialysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104692.	3.3	9
18	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> , 2021, 9, 105262.	3.3	9

#	ARTICLE	IF	CITATIONS
19	AC Three-Phase Axial Flux Motor With Magnetized Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 1633-1636.	1.1	6
20	Increasing Sustainability on the Metallurgical Industry by Integration of Membrane NF Processes: Acid Recovery. Advances in Science, Technology and Innovation, 2020, , 411-413.	0.2	0