Eduardo Rodriguez de San Miguel

List of Publications by Year
in descending order

45 papers	824 citations	623734 14 h-index	501196 28 g-index
45 all docs	45 docs citations	45 times ranked	780 citing authors

#	Article	IF	Citations
1	Metal Ion Separations by Supported Liquid Membranes. Industrial & Engineering Chemistry Research, 1999, 38, 2182-2202.	3.7	233
2	Arsenic(V) Removal with Polymer Inclusion Membranes from Sulfuric Acid Media Using DBBP as Carrier. Environmental Science & Technology, 2004, 38, 886-891.	10.0	61
3	Structural effects on metal ion migration across polymer inclusion membranes: Dependence of transport profiles on nature of active plasticizer. Journal of Membrane Science, 2008, 307, 105-116.	8.2	55
4	LIXÂ®-loaded polymer inclusion membrane for copper(II) transport. Journal of Membrane Science, 2006, 268, 142-149.	8.2	54
5	Cr(VI) transport via a supported ionic liquid membrane containing CYPHOS IL101 as carrier: System analysis and optimization through experimental design strategies. Journal of Hazardous Materials, 2014, 273, 253-262.	12.4	34
6	Selective lithium extraction and concentration from diluted alkaline aqueous media by a polymer inclusion membrane and application to seawater. Desalination, 2020, 487, 114500.	8.2	31
7	Structural effects on metal ion migration across polymer inclusion membranes: Dependence of membrane properties and transport profiles on the weight and volume fractions of the components. Journal of Membrane Science, 2011, 379, 416-425.	8.2	30
8	Gold(III) Transport through Polymer Inclusion Membranes:â€‰ Efficiency Factors and Pertraction Mechanism Using Kelex 100 as Carrier. Industrial & Engineering Chemistry Research, 2007, 46, 2861-2869.	3.7	25
9	Mercury(II) removal using polymer inclusion membranes containing Cyanex 471X. Journal of Chemical Technology and Biotechnology, 2009, 84, 1323-1330.	3.2	23
10	Optimization, evaluation, and characterization of a hollow fiber supported liquid membrane for sampling and speciation of lead(II) from aqueous solutions. Journal of Membrane Science, 2010, 363, 180-187.	8.2	23
11	Novel proton-conducting polymer inclusion membranes. Journal of Membrane Science, 2009, 326, 382-387.	8.2	21
12	An SLM System for the Extraction of In(III) from Concentrated HCl Media Using ADOGEN 364 as Carrier. Journal of Chemical Technology and Biotechnology, 1996, 66, 56-64.	3.2	17
13	Cellulose recovery from Quercus sp. sawdust using Ethanosolv pretreatment. Biomass and Bioenergy, 2018, 111, 114-124.	5.7	16
14	Novel semi-interpenetrating polymer network hybrid membranes for proton conduction. Journal of Membrane Science, 2009, 344, 92-100.	8.2	15
15	Mercury determination in sediments by CVAAS after on line preconcentration by solid phase extraction with a sol-gel sorbent containing CYANEX 471XÂ®. International Journal of Environmental Analytical Chemistry, 2011, 91, 1062-1076.	3.3	14
16	Hollow-fiber dispersion-free extraction and stripping of Pb(II) in the presence of Cd(II) using D2EHPA under recirculating operation mode. Journal of Chemical Technology and Biotechnology, 2004, 79, 961-973.	3.2	12
17	Determination of Cadmium (II) in Aqueous Solutions by In Situ MID-FTIR-PLS Analysis Using a Polymer Inclusion Membrane-Based Sensor: First Considerations. Molecules, 2020, 25, 3436.	3.8	12
18	1H-NMR-based metabolomic of plant cell suspension cultures of Thevetia peruviana treated with salicylic acid and methyl jasmonate. Industrial Crops and Products, 2019, 135, 217-229.	5.2	11

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19	Application of an organicâ€“inorganic hybrid membrane for selective gold(III) permeation. Journal of Membrane Science, 2008, 307, 1-9.	8.2	10
20	Simultaneous Au^{III} Extraction and Inâ€…Situ Formation of Polymeric Membraneâ€Supported Au Nanoparticles: A Sustainable Process with Application in Catalysis. ChemSusChem, 2017, 10, 1482-1493.	6.8	10
21	Prediction of Antimicrobial and Antioxidant Activities of Mexican Propolis by 1H-NMR Spectroscopy and Chemometrics Data Analysis. Molecules, 2017, 22, 1184.	3.8	10
22	Optimization of Ni (II) Facilitated Transport from Aqueous Solutions Using a Polymer Inclusion Membrane.. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	9
23	Multivariate Analysis of Selected Metal Ion Transport through a Hollowâ€Fiber Supported Liquid Membrane Device used for Passive Sampling Monitoring. Solvent Extraction and Ion Exchange, 2008, 26, 602-623.	2.0	8
24	Influence of some physicochemical parameters on the passive sampling of copper (II) from aqueous medium using a polymer inclusion membrane device. Environmental Pollution, 2020, 258, 113474.	7.5	8
25	Response Surface Methodology Approach Applied to the Study of Arsenic (V) Migration by Facilitated Transport in Polymer Inclusion Membranes. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	8
26	Selective Palladium(II) Recovery Using a Polymer Inclusion Membrane with Tris(2-ethylhexyl) Phosphate (TEHP). Experimental and Theoretical Study. Industrial & Engineering Chemistry Research, 2021, 60, 3385-3396.	3.7	8
27	Structural Characterization of the Plasticizersâ€™ Role in Polymer Inclusion Membranes Used for Indium (III) Transport Containing IONQUESTÂ® 801 as Carrier. Membranes, 2021, 11, 401.	3.0	8
28	Evaluation of the measurement of Cu(II) bioavailability in complex aqueous media using a hollow-fiber supported liquid membrane device (HFSLM) and two microalgae species (Pseudokirchneriella) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 377	7.8	7
29	Hybrids based on borate-functionalized cellulose nanofibers and noble-metal nanoparticles as sustainable catalysts for environmental applications. RSC Advances, 2020, 10, 12460-12468.	3.6	7
30	Integration of Response Surface Methodology (RSM) and Principal Component Analysis (PCA) as an Optimization Tool for Polymer Inclusion Membrane Based-Optodes Designed for Hg(II), Cd(II), and Pb(II). Membranes, 2021, 11, 288.	3.0	7
31	Comparative study of As (V) uptake in aqueous medium by a polymer inclusion membrane-based passive sampling device and two filamentous fungi (Aspergillus niger and Rhizopus sp.). Chemosphere, 2021, 272, 129920.	8.2	6
32	Evaluation of a hollow fiber supported liquid membrane device as a chemical surrogate for the measurements of zinc (II) bioavailability using two microalgae strains as biological references. Chemosphere, 2017, 171, 435-445.	8.2	5
33	Nickel (II) Preconcentration and Speciation Analysis During Transport from Aqueous Solutions Using a Hollow-fiber Permeation Liquid Membrane (HFPLM) Device. Membranes, 2011, 1, 217-231.	3.0	4
34	Semi-interpenetrating hybrid membranes containing ADOGENÂ® 364 for Cd(II) transport from HCl media. Journal of Hazardous Materials, 2014, 280, 603-611.	12.4	4
35	Crosslinking effects on hybrid organic-inorganic proton conducting membranes based on sulfonated polystyrene and polysiloxane. Polymers for Advanced Technologies, 2016, 27, 404-413.	3.2	4
36	A Longitudinal 1H NMR-Based Metabolic Profile Analysis of Urine from Hospitalized Premature Newborns Receiving Enteral and Parenteral Nutrition. Metabolites, 2022, 12, 255.	2.9	4

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37	catena-Poly[bromo(ï‰-thiocaprolactam-Î²S)gold(I)](Auâ€”Au). Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, m414-m417.	0.4	3
38	On the control of interferences in the potentiometric fluoride analysis of table salt samples. Journal of Food Composition and Analysis, 2016, 47, 60-68.	3.9	2
39	1H NMR profiling and chemometric analysis as an approach to predict the leishmanicidal activity of dichloromethane extracts from Lantana camara (L.). Journal of Pharmaceutical and Biomedical Analysis, 2021, 199, 114060.	2.8	2
40	Optimization of Cr(III) transport in a polymer inclusion membrane system through experimental design strategies. Chemical Papers, 2022, 76, 2235-2247.	2.2	2
41	Validation of a UPLC-PDA method to study the content and stability of 5-chloro 8-hydroxyquinoline and 5,7-dichloro 8-hydroxyquinoline in medicated feed used in swine farming. Journal of Pharmaceutical and Biomedical Analysis, 2019, 166, 113-118.	2.8	1
42	Synthesis and characterization of hybrid membranes based on sulfonated poly(ether ether ketone) (SPEEK) and polysiloxane. Desalination and Water Treatment, 0, , 1-7.	1.0	0
43	NMR-based metabolomics of human cerebrospinal fluid identifies signature of brain death. Metabolomics, 2021, 17, 40.	3.0	0
44	Conditional Equilibrium Constants Reviewed. Critical Reviews in Analytical Chemistry, 2021, , 1-23.	3.5	0
45	Polymer Inclusion Membranes. Membranes, 2022, 12, 226.	3.0	0