Carlos Moreno

List of Publications by Year
in descending order

78 papers	1,600 citations	304743 22 h-index	315739 38 g-index
79 all docs	79 docs citations	79 times ranked	1637 citing authors

#	Article	IF	Citations
1	A liquid micro-extraction based one-step method for the chemical fractionation of copper in seawater. Journal of Hazardous Materials, 2022, 430, 128505.	12.4	3
2	Advances in ionic liquids and deep eutectic solvents-based liquid phase microextraction of metals for sample preparation in Environmental Analytical Chemistry. TrAC - Trends in Analytical Chemistry, 2021, 143, 116398.	11.4	41
3	A handling-free methodology for rapid determination of Cu species in seawater based on direct solid micro-samplers analysis by high-resolution continuum source graphite furnace atomic absorption spectrometry. Talanta, 2020, 206, 120249.	5.5	10
4	A Critical Study of the Effect of Polymeric Fibers on the Performance of Supported Liquid Membranes in Sample Microextraction for Metals Analysis. Membranes, 2020, 10, 275.	3.0	2
5	Selective liquid phase micro-extraction of metal chloro-complexes from saline waters using ionic liquids. Journal of Cleaner Production, 2020, 262, 121415.	9.3	11
6	Heavy Metal Extraction under Environmentally Relevant Conditions Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids: Extraction Capabilities vs. Acute Algal Toxicity. Applied Sciences (Switzerland), 2020, 10, 3157.	2.5	8
7	A Coupled Extraction/Re-Extraction Method for the Chemical Speciation of Nickel in Natural Waters. Applied Sciences (Switzerland), 2020, 10, 262.	2.5	0
8	Selective solvent bar micro-extraction as a single-step approach for the measurement of Cu fractions in seawater. Analytical and Bioanalytical Chemistry, 2020, 412, 1863-1870.	3.7	8
9	Selective ionic liquid solvent bar micro-extraction for estimation of ultra-trace silver fractions in marine waters. Science of the Total Environment, 2019, 650, 27-33.	8.0	15
10	Application of solvent-bar micro-extraction for the determination ofÂorganic and inorganic compounds. TrAC - Trends in Analytical Chemistry, 2019, 110, 57-65.	11.4	32
11	Multi-elemental ionic liquid-based solvent bar micro-extraction of priority and emerging trace metallic pollutants (Cd, Ag, Pd) in natural waters. Journal of Hazardous Materials, 2019, 370, 63-69.	12.4	22
12	Ionic liquid solvent bar micro-extraction of CdCln(nâ^'2)- species for ultra-trace Cd determination in seawater. Chemosphere, 2018, 193, 306-312.	8.2	24
13	Solvent Bar Micro-Extraction of Heavy Metals from Natural Water Samples Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids. Molecules, 2018, 23, 3011.	3.8	15
14	Key factors in electromembrane microextraction systems for metals analysis in natural waters. International Journal of Environmental Analytical Chemistry, 2018, 98, 1388-1397.	3.3	6
15	Liquid Membranes as a Tool for Chemical Speciation of Metals in Natural Waters: Organic and Inorganic Complexes of Nickel. Membranes, 2018, 8, 19.	3.0	3
16	Determination of silver in seawater by the direct analysis of solvent bars by high resolution continuum source solid sampling graphite furnace atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1925-1931.	3.0	7
17	Electromembrane extraction and capillary electrophoresis with capacitively coupled contactless conductivity detection: Multiâ€extraction capabilities to analyses trace metals from saline samples. Electrophoresis, 2018, 39, 2152-2159.	2.4	16
18	Solvent bar micro-extraction for greener application of task specific ionic liquids in multi-elemental extraction. Journal of Cleaner Production, 2018, 201, 22-27.	9.3	14

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19	Novel 3-Hydroxy-2-Naphthoate-Based Task-Specific Ionic Liquids for an Efficient Extraction of Heavy Metals. Frontiers in Chemistry, 2018, 6, 172.	3.6	35
20	Assessment of sediment pollution by metals. A case study from Cienfuegos Bay, Cuba. Marine Pollution Bulletin, 2017, 115, 534-538.	5.0	4
21	Solid sampling graphite furnace atomic absorption spectrometry for the direct analysis of microextraction solvent bars used for metal ultra-trace pre-concentration. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 135, 1-5.	2.9	5
22	Ionic liquid based solvent micro-extraction of Ag and Cd from saline and hyper-saline waters. Chemical Engineering Journal, 2017, 308, 649-655.	12.7	21
23	Zinc Recovery by Supported Liquid Membrane. , 2016, , 2067-2067.		0
24	Solvent bar micro-extraction with graphite atomic absorption spectrometry for the determination of silver in ocean water. Talanta, 2016, 159, 117-121.	5.5	20
25	A spiral flowing supported liquid membrane based on DEHPA carrier for the separation of lead from seawater. Desalination and Water Treatment, 2016, 57, 5715-5722.	1.0	2
26	Copper Removal and Recovery by Supported Liquid Membranes. , 2016, , 464-465.		0
27	Cobalt Removal and Recovery by Supported Liquid Membranes. , 2016, , 427-428.		0
28	Distribution of heavy metals in marine sediments of Tetouan coast (North of Morocco): natural and anthropogenic sources. Environmental Earth Sciences, 2015, 74, 4171-4185.	2.7	40
29	A chemical status predictor. A methodology based on World-Wide sediment samples. Journal of Environmental Management, 2015, 161, 21-29.	7.8	4
30	Solvent bar micro-extraction: Improving hollow fiber liquid phase micro-extraction applicability in the determination of Ni in seawater samples. Talanta, 2015, 142, 84-89.	5.5	22
31	Three-phase solvent bar micro-extraction as an approach to silver ultra-traces speciation in estuarine water samples. Talanta, 2015, 132, 382-386.	5.5	15
32	Metal Removal and Recovery by Supported Liquid Membranes. , 2015, , 1-2.		0
33	Copper Removal and Recovery by Supported Liquid Membranes. , 2015, , 1-2.		0
34	Zinc Recovery by Supported Liquid Membrane. , 2015, , 1-2.		0
35	Determination of Organochloride and Triazine Pesticides in Natural Waters by Solvent Bar Microextraction. Analytical Letters, 2014, 47, 2209-2220.	1.8	7
36	Multi-way analysis for decadal pollution trends assessment: The Guadalquivir River estuary as a case study. Chemosphere, 2014, 111, 47-54.	8.2	12

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37	Simple hollow fiber liquid membrane based pre-concentration of silver for atomic absorption spectrometry. Analytical Methods, 2014, 6, 1462-1467.	2.7	24
38	Solvent extraction with organophosphorus extractants in environmental samples: determination of cadmium(II) in natural water. Open Chemistry, 2014, 12, 348-353.	1.9	2
39	Revisiting methods for the determination of bioavailable metals in coastal sediments. Marine Pollution Bulletin, 2014, 89, 67-74.	5.0	16
40	Atmospheric influence on the distribution of organic pollutants in the Guadalquivir River estuary, SW Spain. Environmental Monitoring and Assessment, 2013, 185, 3209-3218.	2.7	10
41	A new analytical method for selective pre-concentration of free silver in estuarine waters using liquid membranes. Talanta, 2013, 108, 7-10.	5.5	15
42	A bulk liquid membraneâ€“flow injection (BLMâ€“FI) coupled system for the preconcentration and determination of vanadium in saline waters. Talanta, 2013, 103, 161-165.	5.5	15
43	Liquid phase micro-extraction: Towards the green methodology for ultratrace metals determination in aquatic ecosystems. E3S Web of Conferences, 2013, 1, 09002.	0.5	0
44	Assessing pollution trends in the Guadalquivir River estuary using N-way analysis. E3S Web of Conferences, 2013, 1, 24005.	0.5	0
45	Enhanced spectrophotometric methods for trace metal determination in waters: zinc as an example. Analytical Methods, 2012, 4, 147-152.	2.7	6
46	A new contamination-free method for the determination of traces of anthropogenic silver in freshwaters. International Journal of Environmental Analytical Chemistry, 2012, 92, 636-643.	3.3	5
47	HF-LPME as a green alternative for the preconcentration of nickel in natural waters. Analytical and Bioanalytical Chemistry, 2012, 404, 665-670.	3.7	17
48	Estudio de la contaminaciÃ³n por metales en sedimentos acuÃ¡ticos de la BahÃa de Matanzas. Quimica Nova, 2012, 35, 924-931.	0.3	3
49	Analysis of Heavy Metals in Sediments from Northern Moroccan Coast Using Simple and Low-Cost Methodology. The Open Environmental Pollution & Toxicology Journal, 2012, 3, 47-54.	0.1	6
50	Editorial - Anthropogenic Pollution at both Sides of the Strait of Gibraltar. The Open Environmental Pollution & Toxicology Journal, 2012, 3, 1-1.	0.1	0
51	A chemometric approach to the evaluation of atmospheric and fluvial pollutant inputs in aquatic systems: The Guadalquivir River estuary as a case study. Environmental Pollution, 2011, 159, 1136-1143.	7.5	22
52	A Liquid Membrane-Based Green Method for the Separation and Determination of Lead in Saline Waters. Spectroscopy Letters, 2011, 44, 83-87.	1.0	6
53	Liquid membranes for quantification and speciation of trace metals in natural waters. TrAC - Trends in Analytical Chemistry, 2010, 29, 645-653.	11.4	53
54	Quantification of Free and Bound Fractions of Nickel in Natural Waters by Solvent Extraction with 1,2-Cyclohexanedione Bis-Benzoyl-Hydrazone. Solvent Extraction and Ion Exchange, 2010, 28, 625-635.	2.0	4

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55	Screening of dissolved heavy metals (Cu, Zn, Mn, Al, Cd, Ni, Pb) in seawater by a liquid-membraneâ€“ICPâ€“MS approach. Analytical and Bioanalytical Chemistry, 2008, 391, 773-778.	3.7	18
56	A Lab Experience To Illustrate the Physicochemical Principles of Detergency. Journal of Chemical Education, 2008, 85, 266.	2.3	8
57	Evaluation of natural and anthropogenic influences on the Guadalquivir River (Spain) by dissolved heavy metals and nutrients. Chemosphere, 2007, 69, 1509-1517.	8.2	118
58	Preliminary investigation on the enrichment of heavy metals in marine sediments originated from intensive aquaculture effluents. Aquaculture, 2006, 254, 317-325.	3.5	87
59	Application of liquid membranes to sample preconcentration for the spectrometric determination of cadmium in seawater. Journal of Membrane Science, 2006, 274, 169-172.	8.2	27
60	Using chemometric tools to assess anthropogenic effects in river water. Analytica Chimica Acta, 2004, 515, 143-149.	5.4	88
61	Using chemometric tools to assess anthropogenic effects in river waterA case study: Guadalquivir River (Spain). Analytica Chimica Acta, 2004, 515, 143-143.	5.4	1
62	A very sensitive flow system for the direct determination of copper in natural waters based on spectrophotometric detection. Talanta, 2004, 64, 562-565.	5.5	54
63	Reverse flow-injection manifold for spectrofluorimetric determination of aluminum in drinking water. Talanta, 2003, 60, 425-431.	5.5	37
64	A SIMPLE PROCEDURE TO IMPROVE THE ANALYTICAL PERFORMANCE OF FLOW INJECTION SYSTEMS. Spectroscopy Letters, 2002, 35, 715-728.	1.0	2
65	Separation of heavy metals in seawater by liquid membranes: preconcentration of copper. Separation Science and Technology, 2002, 37, 2337-2351.	2.5	19
66	A simple and very sensitive spectrophotometric method for the direct determination of copper ions. Analytical and Bioanalytical Chemistry, 2002, 373, 844-848.	3.7	37
67	Determination of copper in seawater based on a liquid membrane preconcentration system. Analytica Chimica Acta, 2002, 460, 35-40.	5.4	34
68	A simple automated method for the speciation of dissolved inorganic nitrogen in seawater. Analytica Chimica Acta, 2002, 469, 235-242.	5.4	27
69	Selective transport of lanthanides through supported liquid membranes containing non-selective extractant, di-(2-ethylhexyl)phosphoric acid, as a carrier. Journal of Membrane Science, 2000, 168, 175-181.	8.2	33
70	Environmental Implications of Intensive Marine Aquaculture in Earthen Ponds. Marine Pollution Bulletin, 2000, 40, 981-988.	5.0	65
71	Environmental impacts of intensive aquaculture in marine waters. Water Research, 2000, 34, 334-342.	11.3	165
72	Studies on the mechanism of transport of lanthanide ions through supported liquid membranes containing di-(2-ethylhexyl) phosphoric acid (D2EHPA) as a carrier. Journal of Membrane Science, 1999, 155, 155-162.	8.2	27

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73	Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy. Journal of Electroanalytical Chemistry, 1997, 422, 191-195.	3.8	5
74	Direct fluorimetric determination of dissolved aluminum in seawater at nanomolar levels. Analytica Chimica Acta, 1997, 355, 157-161.	5.4	21
75	Multicomponent analysis by flow injection using a partial least-squares calibration method. Simultaneous spectrophotometric determination of iron, cobalt and nickel at sub-ppm levels. Analyst, The, 1996, 121, 1609-1612.	3.5	10
76	Spectrophotometric determination of rare earth elements by flow injection analysis based on their reaction with xylenol orange and cetylpyridinium bromide. Talanta, 1994, 41, 1251-1254.	5.5	18
77	Permeation of neodymium and praseodymium through supported liquid membranes containing di-(2-ethylhexyl) phosphoric acid as a carrier. Journal of Membrane Science, 1993, 81, 121-126.	8.2	29
78	Micellar-Enhanced Highly Sensitive Reaction of Rare Earths with Xylenol Orange and Surfactants. Study of Reaction Conditions and Optimization of Spectrophotometric Method. Analytical Sciences, 1991, 7, 925-929.	1.6	42