

Carlos Moreno

List of Publications by Year in descending order

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78
papers

1,600
citations

304368

22
h-index

329751

37
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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. <i>Journal of Hazardous Materials</i> , 2022, 430, 128505.	6.5	3
2	Advances in ionic liquids and deep eutectic solvents-based liquid phase microextraction of metals for sample preparation in <i>Environmental Analytical Chemistry</i> . <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116398.	5.8	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. <i>Talanta</i> , 2020, 206, 120249.	2.9	10
4	A Critical Study of the Effect of Polymeric Fibers on the Performance of Supported Liquid Membranes in Sample Microextraction for Metals Analysis. <i>Membranes</i> , 2020, 10, 275.	1.4	2
5	Selective liquid phase micro-extraction of metal chloro-complexes from saline waters using ionic liquids. <i>Journal of Cleaner Production</i> , 2020, 262, 121415.	4.6	11
6	Heavy Metal Extraction under Environmentally Relevant Conditions Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids: Extraction Capabilities vs. Acute Algal Toxicity. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3157.	1.3	8
7	A Coupled Extraction/Re-Extraction Method for the Chemical Speciation of Nickel in Natural Waters. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 262.	1.3	0
8	Selective solvent bar micro-extraction as a single-step approach for the measurement of Cu fractions in seawater. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1863-1870.	1.9	8
9	Selective ionic liquid solvent bar micro-extraction for estimation of ultra-trace silver fractions in marine waters. <i>Science of the Total Environment</i> , 2019, 650, 27-33.	3.9	15
10	Application of solvent-bar micro-extraction for the determination of organic and inorganic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 57-65.	5.8	32
11	Multi-elemental ionic liquid-based solvent bar micro-extraction of priority and emerging trace metallic pollutants (Cd, Ag, Pd) in natural waters. <i>Journal of Hazardous Materials</i> , 2019, 370, 63-69.	6.5	22
12	Ionic liquid solvent bar micro-extraction of Cd(II)- species for ultra-trace Cd determination in seawater. <i>Chemosphere</i> , 2018, 193, 306-312.	4.2	24
13	Solvent Bar Micro-Extraction of Heavy Metals from Natural Water Samples Using 3-Hydroxy-2-Naphthoate-Based Ionic Liquids. <i>Molecules</i> , 2018, 23, 3011.	1.7	15
14	Key factors in electromembrane microextraction systems for metals analysis in natural waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 1388-1397.	1.8	6
15	Liquid Membranes as a Tool for Chemical Speciation of Metals in Natural Waters: Organic and Inorganic Complexes of Nickel. <i>Membranes</i> , 2018, 8, 19.	1.4	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. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1925-1931.	1.6	7
17	Electromembrane extraction and capillary electrophoresis with capacitively coupled contactless conductivity detection: Multi-extraction capabilities to analyses trace metals from saline samples. <i>Electrophoresis</i> , 2018, 39, 2152-2159.	1.3	16
18	Solvent bar micro-extraction for greener application of task specific ionic liquids in multi-elemental extraction. <i>Journal of Cleaner Production</i> , 2018, 201, 22-27.	4.6	14

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19	Novel 3-Hydroxy-2-Naphthoate-Based Task-Specific Ionic Liquids for an Efficient Extraction of Heavy Metals. <i>Frontiers in Chemistry</i> , 2018, 6, 172.	1.8	35
20	Assessment of sediment pollution by metals. A case study from Cienfuegos Bay, Cuba. <i>Marine Pollution Bulletin</i> , 2017, 115, 534-538.	2.3	4
21	Solid sampling graphite furnace atomic absorption spectrometry for the direct analysis of microextraction solvent bars used for metal ultra-trace pre-concentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 135, 1-5.	1.5	5
22	Ionic liquid based solvent micro-extraction of Ag and Cd from saline and hyper-saline waters. <i>Chemical Engineering Journal</i> , 2017, 308, 649-655.	6.6	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. <i>Talanta</i> , 2016, 159, 117-121.	2.9	20
25	A spiral flowing supported liquid membrane based on DEHPA carrier for the separation of lead from seawater. <i>Desalination and Water Treatment</i> , 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. <i>Environmental Earth Sciences</i> , 2015, 74, 4171-4185.	1.3	40
29	A chemical status predictor. A methodology based on World-Wide sediment samples. <i>Journal of Environmental Management</i> , 2015, 161, 21-29.	3.8	4
30	Solvent bar micro-extraction: Improving hollow fiber liquid phase micro-extraction applicability in the determination of Ni in seawater samples. <i>Talanta</i> , 2015, 142, 84-89.	2.9	22
31	Three-phase solvent bar micro-extraction as an approach to silver ultra-traces speciation in estuarine water samples. <i>Talanta</i> , 2015, 132, 382-386.	2.9	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. <i>Analytical Letters</i> , 2014, 47, 2209-2220.	1.0	7
36	Multi-way analysis for decadal pollution trends assessment: The Guadalquivir River estuary as a case study. <i>Chemosphere</i> , 2014, 111, 47-54.	4.2	12

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37	Simple hollow fiber liquid membrane based pre-concentration of silver for atomic absorption spectrometry. <i>Analytical Methods</i> , 2014, 6, 1462-1467.	1.3	24
38	Solvent extraction with organophosphorus extractants in environmental samples: determination of cadmium(II) in natural water. <i>Open Chemistry</i> , 2014, 12, 348-353.	1.0	2
39	Revisiting methods for the determination of bioavailable metals in coastal sediments. <i>Marine Pollution Bulletin</i> , 2014, 89, 67-74.	2.3	16
40	Atmospheric influence on the distribution of organic pollutants in the Guadalquivir River estuary, SW Spain. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 3209-3218.	1.3	10
41	A new analytical method for selective pre-concentration of free silver in estuarine waters using liquid membranes. <i>Talanta</i> , 2013, 108, 7-10.	2.9	15
42	A bulk liquid membrane- μ flow injection (BLM- μ FI) coupled system for the preconcentration and determination of vanadium in saline waters. <i>Talanta</i> , 2013, 103, 161-165.	2.9	15
43	Liquid phase micro-extraction: Towards the green methodology for ultratrace metals determination in aquatic ecosystems. <i>E3S Web of Conferences</i> , 2013, 1, 09002.	0.2	0
44	Assessing pollution trends in the Guadalquivir River estuary using N-way analysis. <i>E3S Web of Conferences</i> , 2013, 1, 24005.	0.2	0
45	Enhanced spectrophotometric methods for trace metal determination in waters: zinc as an example. <i>Analytical Methods</i> , 2012, 4, 147-152.	1.3	6
46	A new contamination-free method for the determination of traces of anthropogenic silver in freshwaters. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 636-643.	1.8	5
47	HF-LPME as a green alternative for the preconcentration of nickel in natural waters. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 665-670.	1.9	17
48	Estudio de la contaminación por metales en sedimentos acuáticos de la Bahía de Matanzas. <i>Química Nova</i> , 2012, 35, 924-931.	0.3	3
49	Analysis of Heavy Metals in Sediments from Northern Moroccan Coast Using Simple and Low-Cost Methodology. <i>The Open Environmental Pollution & Toxicology Journal</i> , 2012, 3, 47-54.	0.1	6
50	Editorial - Anthropogenic Pollution at both Sides of the Strait of Gibraltar. <i>The Open Environmental Pollution & Toxicology Journal</i> , 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. <i>Environmental Pollution</i> , 2011, 159, 1136-1143.	3.7	22
52	A Liquid Membrane-Based Green Method for the Separation and Determination of Lead in Saline Waters. <i>Spectroscopy Letters</i> , 2011, 44, 83-87.	0.5	6
53	Liquid membranes for quantification and speciation of trace metals in natural waters. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 645-653.	5.8	53
54	Quantification of Free and Bound Fractions of Nickel in Natural Waters by Solvent Extraction with 1,2-Cyclohexanedione Bis-Benzoyl-Hydrazone. <i>Solvent Extraction and Ion Exchange</i> , 2010, 28, 625-635.	0.8	4

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55	Screening of dissolved heavy metals (Cu, Zn, Mn, Al, Cd, Ni, Pb) in seawater by a liquid-membrane-ICP-MS approach. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 773-778.	1.9	18
56	A Lab Experience To Illustrate the Physicochemical Principles of Detergency. <i>Journal of Chemical Education</i> , 2008, 85, 266.	1.1	8
57	Evaluation of natural and anthropogenic influences on the Guadalquivir River (Spain) by dissolved heavy metals and nutrients. <i>Chemosphere</i> , 2007, 69, 1509-1517.	4.2	118
58	Preliminary investigation on the enrichment of heavy metals in marine sediments originated from intensive aquaculture effluents. <i>Aquaculture</i> , 2006, 254, 317-325.	1.7	87
59	Application of liquid membranes to sample preconcentration for the spectrometric determination of cadmium in seawater. <i>Journal of Membrane Science</i> , 2006, 274, 169-172.	4.1	27
60	Using chemometric tools to assess anthropogenic effects in river water. <i>Analytica Chimica Acta</i> , 2004, 515, 143-149.	2.6	88
61	Using chemometric tools to assess anthropogenic effects in river water A case study: Guadalquivir River (Spain). <i>Analytica Chimica Acta</i> , 2004, 515, 143-143.	2.6	1
62	A very sensitive flow system for the direct determination of copper in natural waters based on spectrophotometric detection. <i>Talanta</i> , 2004, 64, 562-565.	2.9	54
63	Reverse flow-injection manifold for spectrofluorimetric determination of aluminum in drinking water. <i>Talanta</i> , 2003, 60, 425-431.	2.9	37
64	A SIMPLE PROCEDURE TO IMPROVE THE ANALYTICAL PERFORMANCE OF FLOW INJECTION SYSTEMS. <i>Spectroscopy Letters</i> , 2002, 35, 715-728.	0.5	2
65	Separation of heavy metals in seawater by liquid membranes: preconcentration of copper. <i>Separation Science and Technology</i> , 2002, 37, 2337-2351.	1.3	19
66	A simple and very sensitive spectrophotometric method for the direct determination of copper ions. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 844-848.	1.9	37
67	Determination of copper in seawater based on a liquid membrane preconcentration system. <i>Analytica Chimica Acta</i> , 2002, 460, 35-40.	2.6	34
68	A simple automated method for the speciation of dissolved inorganic nitrogen in seawater. <i>Analytica Chimica Acta</i> , 2002, 469, 235-242.	2.6	27
69	Selective transport of lanthanides through supported liquid membranes containing non-selective extractant, di-(2-ethylhexyl)phosphoric acid, as a carrier. <i>Journal of Membrane Science</i> , 2000, 168, 175-181.	4.1	33
70	Environmental Implications of Intensive Marine Aquaculture in Earthen Ponds. <i>Marine Pollution Bulletin</i> , 2000, 40, 981-988.	2.3	65
71	Environmental impacts of intensive aquaculture in marine waters. <i>Water Research</i> , 2000, 34, 334-342.	5.3	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. <i>Journal of Membrane Science</i> , 1999, 155, 155-162.	4.1	27

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73	Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 1997, 422, 191-195.	1.9	5
74	Direct fluorimetric determination of dissolved aluminum in seawater at nanomolar levels. <i>Analytica Chimica Acta</i> , 1997, 355, 157-161.	2.6	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. <i>Analyst</i> , The, 1996, 121, 1609-1612.	1.7	10
76	Spectrophotometric determination of rare earth elements by flow injection analysis based on their reaction with xylene orange and cetylpyridinium bromide. <i>Talanta</i> , 1994, 41, 1251-1254.	2.9	18
77	Permeation of neodymium and praseodymium through supported liquid membranes containing di-(2-ethylhexyl) phosphoric acid as a carrier. <i>Journal of Membrane Science</i> , 1993, 81, 121-126.	4.1	29
78	Micellar-Enhanced Highly Sensitive Reaction of Rare Earths with Xylene Orange and Surfactants. Study of Reaction Conditions and Optimization of Spectrophotometric Method. <i>Analytical Sciences</i> , 1991, 7, 925-929.	0.8	42