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	Environmental impacts of intensive aquaculture in marine waters. Water Research, 2000, 34, 334-342.	11.3	165
2	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
3	Using chemometric tools to assess anthropogenic effects in river water. Analytica Chimica Acta, 2004, 515, 143-149.	5.4	88
4	Preliminary investigation on the enrichment of heavy metals in marine sediments originated from intensive aquaculture effluents. Aquaculture, 2006, 254, 317-325.	3.5	87
5	Environmental Implications of Intensive Marine Aquaculture in Earthen Ponds. Marine Pollution Bulletin, 2000, 40, 981-988.	5.0	65
6	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
7	Liquid membranes for quantification and speciation of trace metals in natural waters. TrAC - Trends in Analytical Chemistry, 2010, 29, 645-653.	11.4	53
8	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
9	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
10	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
11	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
12	Reverse flow-injection manifold for spectrofluorimetric determination of aluminum in drinking water. Talanta, 2003, 60, 425-431.	5.5	37
13	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
14	Determination of copper in seawater based on a liquid membrane preconcentration system. Analytica Chimica Acta, 2002, 460, 35-40.	5.4	34
15	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
16	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
17	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
18	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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19	A simple automated method for the speciation of dissolved inorganic nitrogen in seawater. Analytica Chimica Acta, 2002, 469, 235-242.	5.4	27
20	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
21	Simple hollow fiber liquid membrane based pre-concentration of silver for atomic absorption spectrometry. Analytical Methods, 2014, 6, 1462-1467.	2.7	24
22	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
23	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
24	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
25	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
26	Direct fluorimetric determination of dissolved aluminum in seawater at nanomolar levels. Analytica Chimica Acta, 1997, 355, 157-161.	5.4	21
27	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
28	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
29	Separation of heavy metals in seawater by liquid membranes: preconcentration of copper. Separation Science and Technology, 2002, 37, 2337-2351.	2.5	19
30	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
31	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
32	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
33	Revisiting methods for the determination of bioavailable metals in coastal sediments. Marine Pollution Bulletin, 2014, 89, 67-74.	5.0	16
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	Multi-way analysis for decadal pollution trends assessment: The Guadalquivir River estuary as a case study. Chemosphere, 2014, 111, 47-54.	8.2	12
42	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
43	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
44	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
45	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
46	A Lab Experience To Illustrate the Physicochemical Principles of Detergency. Journal of Chemical Education, 2008, 85, 266.	2.3	8
47	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
48	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
49	Determination of Organochloride and Triazine Pesticides in Natural Waters by Solvent Bar Microextraction. Analytical Letters, 2014, 47, 2209-2220.	1.8	7
50	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
51	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
52	Enhanced spectrophotometric methods for trace metal determination in waters: zinc as an example. Analytical Methods, 2012, 4, 147-152.	2.7	6
53	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
54	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

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55	Characterization of a solid supported liquid membrane for lanthanide transport by impedance spectroscopy. Journal of Electroanalytical Chemistry, 1997, 422, 191-195.	3.8	5
56	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
57	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
58	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
59	A chemical status predictor. A methodology based on World-Wide sediment samples. Journal of Environmental Management, 2015, 161, 21-29.	7.8	4
60	Assessment of sediment pollution by metals. A case study from Cienfuegos Bay, Cuba. Marine Pollution Bulletin, 2017, 115, 534-538.	5.0	4
61	Estudio de la contaminaciÃ³n por metales en sedimentos acuÃ¡ticos de la BahÃa de Matanzas. Quimica Nova, 2012, 35, 924-931.	0.3	3
62	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
63	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
64	A SIMPLE PROCEDURE TO IMPROVE THE ANALYTICAL PERFORMANCE OF FLOW INJECTION SYSTEMS. Spectroscopy Letters, 2002, 35, 715-728.	1.0	2
65	Solvent extraction with organophosphorus extractants in environmental samples: determination of cadmium(II) in natural water. Open Chemistry, 2014, 12, 348-353.	1.9	2
66	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
67	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
68	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
69	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
70	Assessing pollution trends in the Guadalquivir River estuary using N-way analysis. E3S Web of Conferences, 2013, 1, 24005.	0.5	0
71	Zinc Recovery by Supported Liquid Membrane. , 2016, , 2067-2067.		0
72	A Coupled Extraction/Re-Extraction Method for the Chemical Speciation of Nickel in Natural Waters. Applied Sciences (Switzerland), 2020, 10, 262.	2.5	0

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73	Editorial - Anthropogenic Pollution at both Sides of the Strait of Gibraltar. The Open Environmental Pollution & Toxicology Journal, 2012, 3, 1-1.	0.1	0
74	Metal Removal and Recovery by Supported Liquid Membranes. , 2015, , 1-2.		0
75	Copper Removal and Recovery by Supported Liquid Membranes. , 2015, , 1-2.		0
76	Zinc Recovery by Supported Liquid Membrane. , 2015, , 1-2.		0
77	Copper Removal and Recovery by Supported Liquid Membranes. , 2016, , 464-465.		0
78	Cobalt Removal and Recovery by Supported Liquid Membranes. , 2016, , 427-428.		0