

# Claudia Fontas

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70  
papers

1,755  
citations

24  
h-index

40  
g-index

71  
ext. papers

1,941  
ext. citations

6.4  
avg, IF

4.71  
L-index

#	Paper	IF	Citations
70	Fluoride removal from natural waters by polymer inclusion membranes. <i>Journal of Membrane Science</i> , <b>2022</b> , 644, 120161	9.6	1
69	Preparation of new polymeric phases for thin-film liquid phase microextraction (TF-LPME) of selected organic pollutants. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107120	4.8	0
68	Effective concentration signature of Zn in a natural water derived from various speciation techniques. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 151201	10.2	2
67	In situ growth and crystallization of TiO <sub>2</sub> on polymeric membranes for the photocatalytic degradation of diclofenac and 17 $\beta$ ethinylestradiol. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131476	14.7	3
66	Polymer inclusion membranes with ionic liquids for the recovery of the technology-critical element Bi(III). <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2022</b> , 175, 108911	3.7	1
65	Determination of elemental bioavailability in soils and sediments by microwave induced plasma optical emission spectrometry (MIP-OES): Matrix effects and calibration strategies.. <i>Talanta</i> , <b>2021</b> , 240, 123166	6.2	0
64	A Polymer Inclusion Membrane for Sensing Metal Complexation in Natural Waters. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 10404	2.6	1
63	Effect of different amendments on trace metal bioavailability in agricultural soils and metal uptake on lettuce evaluated by Diffusive Gradients in Thin Films. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 21, 101319	7	1
62	Preparation and Characterization of Nanoparticle-Doped Polymer Inclusion Membranes. Application to the Removal of Arsenate and Phosphate from Waters. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
61	Development of a new binding phase for the diffusive gradients in thin films technique based on an ionic liquid for mercury determination. <i>Chemosphere</i> , <b>2020</b> , 245, 125671	8.4	5
60	Evaluation and optimization of the derivatization reaction conditions of glyphosate and aminomethylphosphonic acid with 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate using reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 3931-3939	3.4	1
59	Automatic determination of arsenate in drinking water by flow analysis with dual membrane-based separation. <i>Food Chemistry</i> , <b>2019</b> , 283, 232-238	8.5	11
58	First Report on a Solvent-Free Preparation of Polymer Inclusion Membranes with an Ionic Liquid. <i>Molecules</i> , <b>2019</b> , 24,	4.8	4
57	Conventional and novel techniques for the determination of Hg uptake by lettuce in amended agricultural peri-urban soils. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 40-46	10.2	11
56	System for mercury preconcentration in natural waters based on a polymer inclusion membrane incorporating an ionic liquid. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 371, 316-322	12.8	21
55	Diffusive gradient in thin films with open and restricted gels for predicting mercury uptake by plants. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 1353-1358	13.3	9
54	Polymer Inclusion Membrane as an Effective Sorbent To Facilitate Mercury Storage and Detection by X-ray Fluorescence in Natural Waters. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 4756-4763	7.8	19

53	A new extraction phase based on a polymer inclusion membrane for the detection of chlorpyrifos, diazinon and cyprodinil in natural water samples. <i>Talanta</i> , <b>2018</b> , 185, 291-298	6.2	27
52	Polymer inclusion membrane to access Zn speciation: Comparison with root uptake. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 316-324	10.2	18
51	Applicability of a Supported Liquid Membrane in the Enrichment and Determination of Cadmium from Complex Aqueous Samples. <i>Membranes</i> , <b>2018</b> , 8,	3.8	5
50	Electrochemical Characterization of a Polymer Inclusion Membrane Made of Cellulose Triacetate and Aliquat 336 and Its Application to Sulfonamides Separation. <i>Separations</i> , <b>2018</b> , 5, 5	3.1	6
49	Evaluation of mercury in a freshwater environment impacted by an organomercury fungicide using diffusive gradient in thin films. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 1475-1484	10.2	14
48	Design of a Hollow Fiber Supported Liquid Membrane System for Zn Speciation in Natural Waters. <i>Membranes</i> , <b>2018</b> , 8,	3.8	3
47	An Efficient Polymer Inclusion Membrane-Based Device for Cd Monitoring in Seawater. <i>Membranes</i> , <b>2018</b> , 8,	3.8	10
46	The Use of a Polymer Inclusion Membrane for Arsenate Determination in Groundwater. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1093	3	7
45	Comparison of different speciation techniques to measure Zn availability in hydroponic media. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1035, 32-43	6.6	7
44	Exploring new DGT samplers containing a polymer inclusion membrane for mercury monitoring. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 10919-10928	5.1	15
43	Survey of Heavy Metal Contamination in Water Sources in the Municipality of Torola, El Salvador, through In Situ Sorbent Extraction. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 877	3	4
42	Development of a polymer inclusion membrane-based passive sampler for monitoring of sulfamethoxazole in natural waters. Minimizing the effect of the flow pattern of the aquatic system. <i>Microchemical Journal</i> , <b>2016</b> , 124, 175-180	4.8	26
41	Development of a polymer inclusion membrane (PIM) for the preconcentration of antibiotics in environmental water samples. <i>Journal of Membrane Science</i> , <b>2015</b> , 492, 32-39	9.6	55
40	A novel low-cost detection method for screening of arsenic in groundwater. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11682-8	5.1	17
39	Determination of pharmaceutical compounds in sewage sludge using a standard addition method approach. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2014</b> , 94, 1199-1209	1.8	13
38	Formation potential of N-nitrosamines during the disinfection of treated wastewaters with sodium hypochlorite. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 3019-3026		4
37	The ability of biologically based wastewater treatment systems to remove emerging organic contaminants--a review. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 11708-28	5.1	126
36	The influence of light exposure, water quality and vegetation on the removal of sulfonamides and tetracyclines: a laboratory-scale study. <i>Chemosphere</i> , <b>2013</b> , 90, 2297-302	8.4	42

35	Screen-printed electrodes incorporated in a flow system for the decentralized monitoring of lead, cadmium and copper in natural and wastewater samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2013</b> , 93, 872-883	1.8	3
34	The use of a polymer inclusion membrane for separation and preconcentration of orthophosphate in flow analysis. <i>Analytica Chimica Acta</i> , <b>2013</b> , 803, 82-90	6.6	38
33	Thiacalixarene Derivatives Incorporated in Optical-Sensing Membranes for Metal Ion Recognition. <i>Analytical Letters</i> , <b>2011</b> , 44, 1241-1253	2.2	5
32	Development and characterization of polymer inclusion membranes for the separation and speciation of inorganic As species. <i>Journal of Membrane Science</i> , <b>2011</b> , 383, 88-95	9.6	47
31	Transport and separation of arsenate and arsenite from aqueous media by supported liquid and anion-exchange membranes. <i>Separation and Purification Technology</i> , <b>2011</b> , 80, 428-434	8.3	22
30	Determination of water-soluble hexavalent chromium in clinker samples by wavelength-dispersive X-ray fluorescence spectrometry after concentration in activated layers. <i>Applied Spectroscopy</i> , <b>2010</b> , 64, 547-51	3.1	20
29	Modelling of liquid-liquid extraction and liquid membrane separation of arsenic species in environmental matrices. <i>Separation and Purification Technology</i> , <b>2010</b> , 72, 319-325	8.3	32
28	Improvement approaches for the determination of Cr(VI), Cd(II), Pd(II) and Pt(IV) contained in aqueous samples by conventional XRF instrumentation. <i>X-Ray Spectrometry</i> , <b>2009</b> , 38, 9-17	0.9	20
27	Adsorption and Preconcentration of Pd(II), Pt(IV), and Rh(III) using Anion-Exchange Solid-Phase Extraction Cartridges (SPE)View all notes. <i>Solvent Extraction and Ion Exchange</i> , <b>2009</b> , 27, 83-96	2.5	20
26	High-energy polarized-beam energy-dispersive X-ray fluorescence analysis combined with activated thin layers for cadmium determination at trace levels in complex environmental liquid samples. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 2357-64	7.8	28
25	Application of high-energy polarised beam energy dispersive X-ray fluorescence spectrometry to cadmium determination in saline solutions. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 1034	3.7	13
24	Improved instrumental sensitivity for Cd determination in aqueous solutions using Wavelength Dispersive X-ray Fluorescence Spectrometry, Rh-target tube instrumentation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2008</b> , 63, 1329-1332	3.1	10
23	Selective transport and removal of Cd from chloride solutions by polymer inclusion membranes. <i>Journal of Membrane Science</i> , <b>2008</b> , 318, 340-345	9.6	70
22	Selective Pd(II) and Pt(IV) sorption using novel polymers containing azamacrocyclic functional groups. <i>Reactive and Functional Polymers</i> , <b>2008</b> , 68, 1088-1096	4.6	15
21	Efficient hollow fiber supported liquid membrane system for the removal and preconcentration of Cr(VI) at trace levels. <i>Separation and Purification Technology</i> , <b>2008</b> , 62, 389-393	8.3	66
20	Sensitive and stable monitoring of lead and cadmium in seawater using screen-printed electrode and electrochemical stripping analysis. <i>Analytica Chimica Acta</i> , <b>2008</b> , 627, 219-24	6.6	84
19	Thiacalix[4]arene derivatives as extractants for metal ions in aqueous solutions: Application to the selective facilitated transport of Ag(I). <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 985-989	8.3	18
18	Comparative study of hybrid and activated composite membranes containing Aliquat 336 for the transport of Pt(IV). <i>Journal of Membrane Science</i> , <b>2008</b> , 311, 235-242	9.6	28

17	Development of a selective optical sensor for Cr(VI) monitoring in polluted waters. <i>Analytica Chimica Acta</i> , <b>2007</b> , 594, 162-8	6.6	23
16	Efficient thiacalix[4]arenes for the extraction and separation of Au(III), Pd(II) and Pt(IV) metal ions from acidic media incorporated in membranes and solid phases. <i>Separation and Purification Technology</i> , <b>2007</b> , 54, 322-328	8.3	63
15	Selective thiacalix[4]arene bearing three amide groups as ionophore of binary Pd(II) and Au(III) extraction by a supported liquid membrane system. <i>Separation and Purification Technology</i> , <b>2007</b> , 57, 374-379	8.3	52
14	Polymer inclusion membranes: The concept of fixed sites membrane revised. <i>Journal of Membrane Science</i> , <b>2007</b> , 290, 62-72	9.6	115
13	Adsorption Behavior of Platinum Group Metals (Pd, Pt, Rh) on Nonylthiourea-Coated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Separation Science and Technology</i> , <b>2006</b> , 41, 909-923	2.5	27
12	Study of the Sorption and Separation Abilities of Commercial Solid-Phase Extraction (SPE) Cartridge Oasis MAX Towards Au(III), Pd(II), Pt(IV), and Rh(III). <i>Solvent Extraction and Ion Exchange</i> , <b>2006</b> , 24, 931-942	2.5	18
11	Thiacalix[4]arenes as selective carriers for the transport and separation of gold, palladium and platinum by using supported liquid membrane systems. <i>Desalination</i> , <b>2006</b> , 200, 112-113	10.3	6
10	Separation and preconcentration of Cd(II) from chloride solutions using supported liquid membranes systems. <i>Desalination</i> , <b>2006</b> , 200, 114-116	10.3	8
9	New applications of azamacrocyclic ligands in ion recognition, transport and preconcentration of palladium. <i>Analytica Chimica Acta</i> , <b>2006</b> , 560, 77-83	6.6	17
8	Novel and selective procedure for Cr(VI) determination by X-ray fluorescence analysis after membrane concentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2006</b> , 61, 407-413	3.1	41
7	Sorption of palladium(II), rhodium(III), and platinum(IV) on Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 301, 402-8	9.3	128
6	Selective recovery and preconcentration of mercury with a benzoylthiourea-solid supported liquid membrane system. <i>Analytica Chimica Acta</i> , <b>2005</b> , 547, 255-261	6.6	59
5	Cd(II) transport across supported liquid membranes (SLM) and polymeric plasticized membranes (PPM) mediated by Lasalocid A. <i>Separation and Purification Technology</i> , <b>2005</b> , 42, 189-193	8.3	45
4	Selective enrichment of palladium from spent automotive catalysts by using a liquid membrane system. <i>Journal of Membrane Science</i> , <b>2003</b> , 223, 39-48	9.6	52
3	Separation and Concentration of Pd, Pt, and Rh From Automotive Catalytic Converters by Combining Two Hollow-Fiber Liquid Membrane Systems. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2002</b> , 41, 1616-1620	3.9	34
2	BENZYL(2-METHOXY-3-DIPHENYLPHOSPHINO)PROPYL ETHER AS A CARRIER FOR THE SELECTIVE TRANSPORT OF Pd(II) THROUGH A SOLID SUPPORTED LIQUID MEMBRANE. <i>Solvent Extraction and Ion Exchange</i> , <b>2001</b> , 19, 329-344	2.5	6
1	A hollow fiber supported liquid membrane based on Aliquat 336 as a carrier for rhodium(III) transport and preconcentration. <i>Journal of Membrane Science</i> , <b>2000</b> , 178, 131-139	9.6	32