Enriqueta Antico

List of Publications by Year
in descending order

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Version: 2024-02-01

80 papers	2,154 citations	201674 27 h-index	254184 43 g-index
80 all docs	80 docs citations	80 times ranked	2146 citing authors

#	Article	IF	Citations
1	Recovery of palladium(II) and gold(III) from diluted liquors using the resin duolite GT-73. Analytica Chimica Acta, 1999, 381, 61-67.	5.4	128
2	Sensitive and stable monitoring of lead and cadmium in seawater using screen-printed electrode and electrochemical stripping analysis. Analytica Chimica Acta, 2008, 627, 219-224.	5.4	98
3	Polymer inclusion membranes (PIMs) with the ionic liquid (IL) Aliquat 336 as extractant: Effect of base polymer and IL concentration on their physicalâ€“chemical and elastic characteristics. Journal of Membrane Science, 2014, 455, 312-319.	8.2	79
4	Efficient hollow fiber supported liquid membrane system for the removal and preconcentration of Cr(VI) at trace levels. Separation and Purification Technology, 2008, 62, 389-393.	7.9	74
5	Development of solid-phase extraction and solid-phase microextraction methods for the determination of chlorophenols in cork macerate and wine samples. Journal of Chromatography A, 2004, 1047, 15-20.	3.7	71
6	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. Separation and Purification Technology, 2007, 54, 322-328.	7.9	69
7	Selective recovery and preconcentration of mercury with a benzoylthiourea-solid supported liquid membrane system. Analytica Chimica Acta, 2005, 547, 255-261.	5.4	65
8	Liquidâ€“liquid extraction of palladium(II) and gold(III) with N-benzoyl-Nâ€²,Nâ€²-diethylthiourea and the synthesis of a palladium benzoylthiourea complex. Polyhedron, 2002, 21, 1429-1437.	2.2	64
9	Headspace needle-trap analysis of priority volatile organic compounds from aqueous samples: Application to the analysis of natural and waste waters. Journal of Chromatography A, 2011, 1218, 8131-8139.	3.7	60
10	Development and characterization of polymer inclusion membranes for the separation and speciation of inorganic As species. Journal of Membrane Science, 2011, 383, 88-95.	8.2	59
11	Evaluation of an extraction method in the determination of the 2,4,6-trichloroanisole content of tainted cork. Journal of Chromatography A, 2002, 953, 207-214.	3.7	57
12	Silencing of the potatoStNAC103gene enhances the accumulation of suberin polyester and associated wax in tuber skin. Journal of Experimental Botany, 2016, 67, 5415-5427.	4.8	56
13	Monitoring of sixteen fragrance allergens and two polycyclic musks in wastewater treatment plants by solid phase microextraction coupled to gas chromatography. Chemosphere, 2015, 119, 363-370.	8.2	52
14	Highly selective solid-phase extraction and large volume injection for the robust gas chromatographyâ€“mass spectrometric analysis of TCA and TBA in wines. Journal of Chromatography A, 2005, 1089, 235-242.	3.7	46
15	Modelling of liquidâ€“liquid extraction and liquid membrane separation of arsenic species in environmental matrices. Separation and Purification Technology, 2010, 72, 319-325.	7.9	43
16	Solvent extraction of yttrium from chloride media by di(2-ethylhexyl)phosphoric acid in kerosene. Speciation studies and gel formation. Analytica Chimica Acta, 1996, 327, 267-276.	5.4	42
17	Relationship between sensory and instrumental analysis of 2,4,6-trichloroanisole in wine and cork stoppers. Analytica Chimica Acta, 2004, 513, 291-297.	5.4	42
18	Internal Standardizationâ€™Atomic Spectrometry and Geographical Pattern Recognition Techniques for the Multielement Analysis and Classification of Catalonian Red Wines. Journal of Agricultural and Food Chemistry, 2007, 55, 219-225.	5.2	41

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19	Chemical pumping of rhodium by a supported liquid membrane containing Aliquat 336 as carrier. Analytica Chimica Acta, 1997, 346, 199-206.	5.4	40
20	Monitoring Pb2+ with optical sensing films. Analytica Chimica Acta, 1999, 388, 327-338.	5.4	39
21	On-line determination of trace levels of palladium by flame atomic absorption spectrometry. Talanta, 2003, 59, 651-657.	5.5	39
22	Migration of 2,4,6-trichloroanisole from cork stoppers to wine. European Food Research and Technology, 2005, 220, 347-352.	3.3	38
23	Adsorption of palladium by glycolmethacrylate chelating resins. Analytica Chimica Acta, 1994, 296, 325-332.	5.4	37
24	Sorbentâ€packed needle microextraction trap for benzene, toluene, ethylbenzene, and xylenes determination in aqueous samples. Journal of Separation Science, 2010, 33, 2833-2840.	2.5	35
25	Needle microextraction trap for onâ€site analysis of airborne volatile compounds at ultraâ€trace levels in gaseous samples. Journal of Separation Science, 2011, 34, 2705-2711.	2.5	35
26	A new extraction phase based on a polymer inclusion membrane for the detection of chlorpyrifos, diazinon and cyprodinil in natural water samples. Talanta, 2018, 185, 291-298.	5.5	35
27	Tuning physicochemical, electrochemical and transport characteristics of polymer inclusion membrane by varying the counter-anion of the ionic liquid Aliquat 336. Journal of Membrane Science, 2017, 529, 87-94.	8.2	33
28	Assessment of Environmental Tobacco Smoke Contamination in Public Premises: Significance of 2,5-Dimethylfuran as an Effective Marker. Environmental Science & Technology, 2010, 44, 8289-8294.	10.0	29
29	Transport and separation of arsenate and arsenite from aqueous media by supported liquid and anion-exchange membranes. Separation and Purification Technology, 2011, 80, 428-434.	7.9	28
30	New sulphur-containing reagents as carriers for the separation of palladium by solid supported liquid membranes. Hydrometallurgy, 1994, 35, 343-352.	4.3	27
31	Odour-causing organic compounds in wastewater treatment plants: Evaluation of headspace solid-phase microextraction as a concentration technique. Journal of Chromatography A, 2011, 1218, 4863-4868.	3.7	27
32	Development of a selective optical sensor for Cr(VI) monitoring in polluted waters. Analytica Chimica Acta, 2007, 594, 162-168.	5.4	25
33	A novel low-cost detection method for screening of arsenic in groundwater. Environmental Science and Pollution Research, 2014, 21, 11682-11688.	5.3	21
34	THE CHARACTERISATION OF SILVER SORPTION BY CHELATING RESINS CONTAINING THIOL AND AMINE GROUPS. Solvent Extraction and Ion Exchange, 2001, 19, 315-327.	2.0	20
35	Molecular Fingerprinting by PCR-Denaturing Gradient Gel Electrophoresis Reveals Differences in the Levels of Microbial Diversity for Musty-Earthy Tainted Corks. Applied and Environmental Microbiology, 2009, 75, 1922-1931.	3.1	20
36	Off-Odor Compounds Produced in Cork by Isolated Bacteria and Fungi: A Gas Chromatographyâ€"Mass Spectrometry and Gas Chromatographyâ€"Olfactometry Study. Journal of Agricultural and Food Chemistry, 2009, 57, 7473-7479.	5.2	20

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37	The Identification and Quantification of Suberin Monomers of Root and Tuber Periderm from Potato (Solanum tuberosum) as Fatty Acyltert-Butyldimethylsilyl Derivatives. Phytochemical Analysis, 2016, 27, 326-335.	2.4	20
38	Polymer inclusion membrane to access Zn speciation: Comparison with root uptake. Science of the Total Environment, 2018, 622-623, 316-324.	8.0	20
39	New applications of azamacrocyclic ligands in ion recognition, transport and preconcentration of palladium. Analytica Chimica Acta, 2006, 560, 77-83.	5.4	19
40	CHARACTERISATION OF METALFIX-CHELAMINE AND ITS APPLICATION IN PRECIOUS METAL ADSORPTION. Solvent Extraction and Ion Exchange, 2000, 18, 965-979.	2.0	18
41	Assays on the simultaneous determination and elimination of chloroanisoles and chlorophenols from contaminated cork samples. Journal of Chromatography A, 2006, 1122, 215-221.	3.7	18
42	Multivariate analysis of volatile compounds detected by headspace solid-phase microextraction/gas chromatography: A tool for sensory classification of cork stoppers. Food Chemistry, 2011, 126, 1978-1984.	8.2	18
43	Mass spectrometry identification of alkyl-substituted pyrazines produced by Pseudomonas spp. isolates obtained from wine corks. Food Chemistry, 2013, 138, 2382-2389.	8.2	18
44	Assessment of the effect of UV and chlorination in the transformation of fragrances in aqueous samples. Chemosphere, 2015, 125, 25-32.	8.2	18
45	Assessment of the matrix effect on the headspace solid-phase microextraction (HS-SPME) analysis of chlorophenols in wines. Journal of Separation Science, 2007, 30, 722-730.	2.5	17
46	Screening of musty-earthy compounds from tainted cork using water-based soaks followed by headspace solid-phase microextraction and gas chromatographyâ€“mass spectrometry. European Food Research and Technology, 2008, 227, 1085-1090.	3.3	17
47	Automatic determination of arsenate in drinking water by flow analysis with dual membrane-based separation. Food Chemistry, 2019, 283, 232-238.	8.2	17
48	Silencing against the conserved NAC domain of the potato StNAC103 reveals new NAC candidates to repress the suberin associated waxes in phellem. Plant Science, 2020, 291, 110360.	3.6	17
49	Selective Pd(II) and Pt(IV) sorption using novel polymers containing azamacrocycle functional groups. Reactive and Functional Polymers, 2008, 68, 1088-1096.	4.1	16
50	EFFECT OF Y(III) DISTRIBUTION BETWEEN AQUEOUS NITRATE AND ORGANIC D2EHPA SOLUTIONS ON THE Y(III) PRECIPITATION STRIPPING USING OXALIC ACID.. Solvent Extraction and Ion Exchange, 1999, 17, 277-300.	2.0	15
51	Ethanol/Water Extraction Combined with Solid-Phase Extraction and Solid-Phase Microextraction Concentration for the Determination of Chlorophenols in Cork Stoppers. Journal of Agricultural and Food Chemistry, 2006, 54, 627-632.	5.2	14
52	A novel Cyphos IL 104-based polymer inclusion membrane (PIM) probe to mimic biofilm zinc accumulation. Science of the Total Environment, 2020, 715, 136938.	8.0	14
53	Fluoride removal from natural waters by polymer inclusion membranes. Journal of Membrane Science, 2022, 644, 120161.	8.2	13
54	Preparation and Characterization of Nanoparticle-Doped Polymer Inclusion Membranes. Application to the Removal of Arsenate and Phosphate from Waters. Materials, 2021, 14, 878.	2.9	12

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55	Role of SCNâ˜ in the liquid-liquid extraction of Pd(II) by Kelex 100 in Toluene from aqueous chloride solutions. The equilibrium approach. Analytica Chimica Acta, 1993, 278, 91-97.	5.4	11
56	Development of a method for the monitoring of odor-causing compounds in atmospheres surrounding wastewater treatment plants. Journal of Separation Science, 2013, 36, 1621-1628.	2.5	11
57	The Use of a Polymer Inclusion Membrane for Arsenate Determination in Groundwater. Water (Switzerland), 2018, 10, 1093.	2.7	11
58	Odourâ€causing compounds in air samples: Gasâ€“liquid partition coefficients and determination using solidâ€phase microextraction and <scp>GC</scp> with mass spectrometric detection. Journal of Separation Science, 2013, 36, 1045-1053.	2.5	10
59	Electrochemical Characterization of a Polymer Inclusion Membrane Made of Cellulose Triacetate and Aliquat 336 and Its Application to Sulfonamides Separation. Separations, 2018, 5, 5.	2.4	10
60	First Report on a Solvent-Free Preparation of Polymer Inclusion Membranes with an Ionic Liquid. Molecules, 2019, 24, 1845.	3.8	10
61	Separation of Pd(II) and Cu(II) in chloride solutions on a glycol methacrylate gel derivatized with 8-hydroxyquinoline. Journal of Chromatography A, 1995, 706, 159-166.	3.7	9
62	Comparison of different speciation techniques to measure Zn availability in hydroponic media. Analytica Chimica Acta, 2018, 1035, 32-43.	5.4	9
63	Preparation of new polymeric phases for thin-film liquid phase microextraction (TF-LPME) of selected organic pollutants. Microchemical Journal, 2022, 175, 107120.	4.5	7
64	New Insights on the Effects of Water on Polymer Inclusion Membranes Containing Aliquat 336 Derivatives as Carriers. Membranes, 2022, 12, 192.	3.0	7
65	SCNâ˜ effect on the palladium(II) transfer in two and three phases systems using triphenylphosphine sulfide as a carrier. Reactive and Functional Polymers, 1996, 28, 103-109.	4.1	6
66	Thiacalix[4]arenes as selective carriers for the transport and separation of gold, palladium and platinum by using supported liquid membrane systems. Desalination, 2006, 200, 112-113.	8.2	6
67	Thiacalixarene Derivatives Incorporated in Optical-Sensing Membranes for Metal Ion Recognition. Analytical Letters, 2011, 44, 1241-1253.	1.8	6
68	Titanium dioxide solid phase for inorganic species adsorption and determination: the case of arsenic. Environmental Science and Pollution Research, 2017, 24, 10939-10948.	5.3	6
69	Determination of elemental bioavailability in soils and sediments by microwave induced plasma optical emission spectrometry (MIP-OES): Matrix effects and calibration strategies. Talanta, 2022, 240, 123166.	5.5	6
70	Migration of Components from Cork Stoppers to Food: Challenges in Determining Inorganic Elements in Food Simulants. Journal of Agricultural and Food Chemistry, 2014, 62, 5690-5698.	5.2	5
71	Survey of Heavy Metal Contamination in Water Sources in the Municipality of Torola, El Salvador, through In Situ Sorbent Extraction. Water (Switzerland), 2017, 9, 877.	2.7	5
72	Screen-printed electrodes incorporated in a flow system for the decentralized monitoring of lead, cadmium and copper in natural and wastewater samples. International Journal of Environmental Analytical Chemistry, 2013, 93, 872-883.	3.3	4

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73	Design of a Hollow Fiber Supported Liquid Membrane System for Zn Speciation in Natural Waters. Membranes, 2018, 8, 88.	3.0	4
74	Study of a Palladium Mass Accelerate Transfer Through a Solid Supported Liquid Membrane Containing Kelex100. Process Metallurgy, 1992, , 1505-1510.	0.1	4
75	Effective concentration signature of Zn in a natural water derived from various speciation techniques. Science of the Total Environment, 2022, 806, 151201.	8.0	4
76	Investigation of Volatiles in Cork Samples Using Chromatographic Data and the Superposing Significant Interaction Rules (SSIR) Chemometric Tool. Biomolecules, 2020, 10, 896.	4.0	3
77	Chloroanisoles and Other Chlorinated Compounds in Cork from Different Geographical Areas. Toxics, 2019, 7, 49.	3.7	2
78	A Polymer Inclusion Membrane for Sensing Metal Complexation in Natural Waters. Applied Sciences (Switzerland), 2021, 11, 10404.	2.5	2
79	A Novel Membraneâ€“based Approach for the Remote Screening of as in Waters. Procedia Engineering, 2012, 44, 801-803.	1.2	1
80	Polymer inclusion membranes. Arsenic in the Environment Proceedings, 2014, , 778-779.	0.0	0