Ornella Abollino

List of Publications by Year
in descending order

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80	2,451	186265	214800
papers	citations	28 h-index	47 g-index

80	80	80	3322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical Speciation of Antarctic Atmospheric Depositions. Applied Sciences (Switzerland), 2022, 12, 4438.	2.5	2
2	On-Site Determination of Methylmercury by Coupling Solid-Phase Extraction and Voltammetry. Molecules, 2022, 27, 3178.	3.8	2
3	Development of an easy portable procedure for on-site determination of mercury and methylmercury. Food Chemistry, 2021, 342, 128347.	8.2	6
4	Influence of start-up phase of an incinerator on inorganic composition and lead isotope ratios of the atmospheric PM10. Chemosphere, 2021, 266, 129091.	8.2	4
5	Mechanistic Insights into the Role of Iron, Copper, and Carbonaceous Component on the Oxidative Potential of Ultrafine Particulate Matter. Chemical Research in Toxicology, 2021, 34, 767-779.	3.3	15
6	A Phase I Dose Escalation Study of Oxaliplatin, Cisplatin and Doxorubicin Applied as PIPAC in Patients with Peritoneal Carcinomatosis. Cancers, 2021, 13, 1060.	3.7	19
7	Chemical Fractionation of Trace Elements in Arctic PM10 Samples. Atmosphere, 2021, 12, 1152.	2.3	2
8	Optimization of a sequential extraction procedure for trace elements in Arctic PM10. Analytical and Bioanalytical Chemistry, 2020, 412, 7429-7440.	3.7	5
9	Contribution of the Incinerator to the Inorganic Composition of the PM10 Collected in Turin. Atmosphere, 2020, 11, 400.	2.3	3
10	The Inorganic Component as a Possible Marker for Quality and for Authentication of the Hazelnutâ€™s Origin. International Journal of Environmental Research and Public Health, 2020, 17, 447.	2.6	6
11	A Portable Setup for the Voltammetric Determination of Total Mercury in Fish with Solid and Nanostructured Gold Electrodes. Molecules, 2019, 24, 1910.	3.8	4
12	Stripping voltammetry for field determination of traces of copper in soil extracts and natural waters. Microchemical Journal, 2019, 149, 104015.	4.5	8
13	Magnetic Iron Oxide Nanoparticles: Synthesis, Characterization and Functionalization for Biomedical Applications in the Central Nervous System. Materials, 2019, 12, 465.	2.9	171
14	Achievability of Municipal Solid Waste Compost for Tea Cultivation with Special Reference to Cadmium. Clean - Soil, Air, Water, 2018, 46, 1800093.	1.1	4
15	Potentially toxic elements in ayurvedic formulations: Total and bioaccessible content. Microchemical Journal, 2018, 136, 236-243.	4.5	4
16	Application of an electro-activated glassy-carbon electrode to the determination of acetaminophen (paracetamol) in surface waters. Electrochimica Acta, 2018, 284, 279-286.	5.2	14
17	Magnetic Nanoparticles in the Central Nervous System: Targeting Principles, Applications and Safety Issues. Molecules, 2018, 23, 9.	3.8	70
18	Spin-dependent electrochemistry: Enantio-selectivity driven by chiral-induced spin selectivity effect. Electrochimica Acta, 2018, 286, 271-278.	5.2	35

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19	Element variability in lacustrine systems of Terra Nova Bay (Antarctica) and concentration evolution in surface waters. Chemosphere, 2017, 180, 343-355.	8.2	12
20	Inorganic markers profiling in wild type and genetically modified plants subjected to abiotic stresses. Microchemical Journal, 2017, 134, 87-97.	4.5	4
21	Dynamics of inorganic components in lake waters from Terra Nova Bay, Antarctica. Chemosphere, 2017, 183, 454-470.	8.2	5
22	Chromium, nickel, and cobalt in cosmetic matrices: an integrated bioanalytical characterization through total content, bioaccessibility, and Cr(III)/Cr(VI) speciation. Analytical and Bioanalytical Chemistry, 2017, 409, 6831-6841.	3.7	23
23	Anodic stripping voltammetry with gold electrodes as an alternative method for the routine determination of mercury in fish. Comparison with spectroscopic approaches. Food Chemistry, 2017, 221, 737-745.	8.2	42
24	Metal Content in Dandelion (Taraxacum officinale) Leaves: Influence of Vehicular Traffic and Safety upon Consumption as Food. Journal of Chemistry, 2016, 2016, 1-9.	1.9	31
25	A Deep Eutectic Solventâ€based Amperometric Sensor for the Detection of Low Oxygen Contents in Gaseous Atmospheres. Electroanalysis, 2016, 28, 757-763.	2.9	17
26	Electrocatalysis in the oxidation of acetaminophen with an electrochemically activated glassy carbon electrode. Electrochimica Acta, 2016, 192, 139-147.	5.2	20
27	Elemental and lead isotopic composition of atmospheric particulate measured in the Arctic region (Ny-Ã…lesund, Svalbard Islands). Rendiconti Lincei, 2016, 27, 73-84.	2.2	14
28	Size resolved metal distribution in the PM matter of the city of Turin (Italy). Chemosphere, 2016, 147, 477-489.	8.2	34
29	Spatial distribution and potential sources of trace elements in PM10 monitored in urban and rural sites of Piedmont Region. Chemosphere, 2016, 145, 495-507.	8.2	46
30	Determination of major, minor and trace elements in Glyceric Macerates and Mother Tinctures and in the starting plant materials. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 167-178.	2.8	3
31	Determination of the total and bioaccessible contents of essential and potentially toxic elements in ayurvedic formulations purchased from different commercial channels. Microchemical Journal, 2015, 120, 6-17.	4.5	20
32	Response to metal stress of Nicotiana langsdorffii plants wild-type and transgenic for the rat glucocorticoid receptor gene. Journal of Plant Physiology, 2013, 170, 668-675.	3.5	25
33	Inter-annual and seasonal variability in PM10 samples monitored in the city of Turin (Italy) from 2002 to 2005. Microchemical Journal, 2013, 107, 76-85.	4.5	19
34	Room Temperature Ionic Liquids As Useful Overlayers for Estimating Food Quality from Their Odor Analysis by Quartz Crystal Microbalance Measurements. Analytical Chemistry, 2013, 85, 7241-7247.	6.5	45
35	Temporal trends of elements in Turin (Italy) atmospheric particulate matter from 1976 to 2001. Chemosphere, 2013, 90, 2578-2588.	8.2	19
36	Total and fractionation metal contents obtained with sequential extraction procedures in a sediment core from Terra Nova Bay, West Antarctica. Antarctic Science, 2013, 25, 83-98.	0.9	12

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37	Characterization of the element content in lacustrine ecosystems in Terra Nova Bay, Antarctica. Microchemical Journal, 2012, 105, 142-151.	4.5	14
38	Analytical Applications of a Nanoparticleâ€Based Sensor for the Determination of Mercury. Electroanalysis, 2012, 24, 727-734.	2.9	14
39	Determination of As(III) by anodic stripping voltammetry using a lateral gold electrode: Experimental conditions, electron transfer and monitoring of electrode surface. Talanta, 2011, 83, 1428-1435.	5.5	50
40	Accumulation of heavy metals from contaminated soil to plants and evaluation of soil remediation by vermiculite. Chemosphere, 2011, 82, 169-178.	8.2	158
41	Fractionation and speciation of arsenic in three tea gardens soil profiles and distribution of As in different parts of tea plant (Camellia sinensis L.). Chemosphere, 2011, 85, 948-960.	8.2	66
42	The role of chemometrics in single and sequential extraction assays: A review. Analytica Chimica Acta, 2011, 688, 104-121.	5.4	73
43	The role of chemometrics in single and sequential extraction assays: A Review. Part II. Cluster analysis, multiple linear regression, mixture resolution, experimental design and other techniques. Analytica Chimica Acta, 2011, 688, 122-139.	5.4	80
44	Determination and assessment of the contents of essential and potentially toxic elements in Ayurvedic medicine formulations by inductively coupled plasma-optical emission spectrometry. Microchemical Journal, 2011, 99, 2-6.	4.5	21
45	An approach for arsenic in a contaminated soil: Speciation, fractionation, extraction and effluent decontamination. Environmental Pollution, 2010, 158, 416-423.	7.5	72
46	Temporal variability and environmental availability of inorganic constituents in an Antarctic marine sediment core from a polynya area in the Ross Sea. Toxicological and Environmental Chemistry, 2010, 92, 453-475.	1.2	6
47	Voltammetric determination of methylmercury and inorganic mercury with an home made gold nanoparticle electrode. Journal of Applied Electrochemistry, 2009, 39, 2209-2216.	2.9	33
48	Geochemical characterisation of Antarctic soils and lacustrine sediments from Terra Nova Bay. Microchemical Journal, 2009, 92, 21-31.	4.5	58
49	Determination of Mercury by Anodic Stripping Voltammetry with a Gold Nanoparticleâ€Modified Glassy Carbon Electrode. Electroanalysis, 2008, 20, 75-83.	2.9	138
50	Parameters affecting the determination of mercury by anodic stripping voltammetry using a gold electrode. Talanta, 2007, 75, 266-73.	5.5	96
51	Assessment of Metal Availability in a Contaminated Soil by Sequential Extraction. Water, Air, and Soil Pollution, 2006, 173, 315-338.	2.4	58
52	The Use of Sequential Extraction Procedures for the Characterization and Management of Contaminated Soils. Annali Di Chimica, 2005, 95, 525-538.	0.6	8
53	Distribution of major, minor and trace elements in Antarctic offshore and Coastal seawaters: correlation among sites and variables by pattern recognition. International Journal of Environmental Analytical Chemistry, 2004, 84, 471-492.	3.3	4
54	Distribution of major, minor and trace elements in lake environments of Antarctica. Antarctic Science, 2004, 16, 277-291.	0.9	40

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55	The use of mosses as environmental metal pollution indicators. Chemosphere, 2003, 50, 333-342.	8.2	75
56	Distribution and mobility of metals in contaminated sites. Chemometric investigation of pollutant profiles. Environmental Pollution, 2002, 119, 177-193.	7.5	93
57	Voltammetric Determination and Speciation of Inorganic and Organometallic Tin. Electroanalysis, 2002, 14, 1090-1097.	2.9	7
58	Determination of metals in wine with atomic spectroscopy (flame-AAS, GF-AAS and ICP-AES); a review. Food Additives and Contaminants, 2002, 19, 126-133.	2.0	99
59	Spatial and seasonal variations of major, minor and trace elements in Antarctic seawater. Chemometric investigation of variable and site correlations. Journal of Environmental Management, 2001, 6, 29-43.	1.7	17
60	Flow-injection preconcentration and electrothermal atomic absorption spectrometry determination of manganese in seawater. Analytica Chimica Acta, 2001, 435, 343-350.	5.4	36
61	Sulphonated azoligand for metal ion determination in ion interaction chromatography. Journal of Chromatography A, 1999, 847, 233-244.	3.7	6
62	Behavior of Different Metal/Ligand Systems in Adsorptive Cathodic Stripping Voltammetry. Electroanalysis, 1999, 11, 870-878.	2.9	31
63	Behavior of Different Metal/Ligand Systems in Adsorptive Cathodic Stripping Voltammetry. Electroanalysis, 1999, 11, 870-878.	2.9	1
64	Electrochemical detection of sulphonated azo dyes and their metal complexes in ion interaction chromatography. Journal of Chromatography A, 1998, 804, 241-248.	3.7	10
65	Distribution and Statistical Correlations of Major, Minor and Trace Metals in Lake Environments of Antarctica. International Journal of Environmental Analytical Chemistry, 1998, 71, 245-255.	3.3	9
66	Determination of trace europium by adsorptive cathodic stripping voltammetry after complexation with cupferron. Electroanalysis, 1997, 9, 444-448.	2.9	22
67	Determination of copper, cadmium, iron, manganese, nickel and zinc in Antarctic sea water. Comparison of electrochemical and spectroscopic procedures. Analytica Chimica Acta, 1995, 305, 200-206.	5.4	46
68	Ion chromatographic separation and on-line cold vapour atomic absorption spectrometric determination of methylmercury, ethylmercury and inorganic mercury. Analytica Chimica Acta, 1994, 284, 661-667.	5.4	60
69	Ion-pair reversed-phase high-performance liquid chromatography for trace metal preconcentration followed by ion-interaction chromatography. Journal of Chromatography A, 1993, 640, 127-134.	3.7	12
70	Ion-interaction chromatographic studies on metal ions completed with Plasmocorinth B dye. Journal of Chromatography A, 1993, 640, 179-185.	3.7	7
71	Trace metal preconcentration with sulphonated azo-dyes and ICP/AES determination. Spectrochimica Acta Part A: Molecular Spectroscopy, 1993, 49, 1411-1421.	0.1	15
72	Ion Exchange for the Determination of Stability Constants of Metal-Plasmocorinth B Complexes and Preconcentration Procedure. Analytical Sciences, 1992, 8, 201-206.	1.6	4

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73	Preconcentration and inductively coupled plasma atomic emission spectrometric determination of metal ions with on-line chelating ion exchange. Journal of Analytical Atomic Spectrometry, 1992, 7, 19.	3.0	27
74	Metal ion content in Sepia officinalis melanin. Marine Chemistry, 1992, 39, 243-250.	2.3	20
75	Simultaneous determination of methyl-, ethyl-, phenyl- and inorganic mercury by cold vapour atomic absorption spectrometry with on-line chromatographic separation. Journal of Chromatography A, 1992, 626, 151-157.	3.7	34
76	On-line preconcentration system for inductively coupled plasma atomic emission spectrometry with quinolin-8-ol and Amberlite XAD-2 resin. Analytica Chimica Acta, 1992, 258, 237-244.	5.4	42
77	Hydroxyazo-Dyes in Metal Ions Preconcentration by Ion Exchange. , 1992, , 279-286.		2
78	Electroanalysis and Chemometrics of Speciation of Natural Waters â€“ continued. Analytical Proceedings, 1991, 28, 72-81.	0.4	9
79	Simultaneous stopped-flow kinetic determination of gallium and indium by a ligand substitution reaction. Analyst, The, 1991, 116, 1167.	3.5	9
80	Determination of trace amounts of copper and iron in zirconium oxychloride by inductively coupled plasma atomic emission spectrometry using the standard additions method. Journal of Analytical Atomic Spectrometry, 1989, 4, 17.	3.0	4