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List of Publications by Year
in descending order

Version: 2024-02-01

87 papers	1,529 citations	304743 22 h-index	395702 33 g-index
87 all docs	87 docs citations	87 times ranked	1947 citing authors

#	Article	IF	Citations
1	Micellar-enhanced ultrafiltration for the removal of cadmium and zinc: Use of response surface methodology to improve understanding of process performance and optimisation. Journal of Hazardous Materials, 2010, 180, 524-534.	12.4	119
2	Recovery of palladium, platinum, rhodium and ruthenium from catalyst materials using microwave-assisted leaching and cloud point extraction. Hydrometallurgy, 2015, 154, 56-62.	4.3	85
3	Determination of platinum and rhodium in dust and plant samples using microwave-assisted sample digestion and ICP-MS. Analytica Chimica Acta, 2004, 521, 137-142.	5.4	73
4	The use of a sequential leaching procedure for heavy metal fractionation in green liquor dregs from a causticizing process at a pulp mill. Chemosphere, 2005, 61, 1475-1484.	8.2	52
5	Simple procedure for ion chromatographic determination of anions and cations at trace levels in ice core samples. Analytica Chimica Acta, 1999, 389, 21-29.	5.4	44
6	The 800 year long ion record from the Lomonosovfonna (Svalbard) ice core. Journal of Geophysical Research, 2005, 110, .	3.3	42
7	Leachability of metals in fly ash from a pulp and paper mill complex and environmental risk characterisation for eco-efficient utilization of the fly ash as a fertilizer. Chemical Speciation and Bioavailability, 2005, 17, 1-9.	2.0	39
8	Determination of arsenic, iron and selenium in moss samples using hexapole collision cell, inductively coupled plasmaâ€“mass spectrometry. Analytica Chimica Acta, 2003, 493, 3-12.	5.4	38
9	Optimization of the metakaolin geopolymer preparation for maximized ammonium adsorption capacity. Journal of Materials Science, 2017, 52, 9363-9376.	3.7	38
10	Optimization of a flow injection hydride generation atomic absorption spectrometric method for the determination of arsenic, antimony and selenium in iron chloride/sulfate-based water treatment chemical. Analytica Chimica Acta, 2001, 439, 229-238.	5.4	37
11	Comparison of Microwave-Assisted Digestion Methods and Selection of Internal Standards for the Determination of Rh, Pd and Pt in Dust Samples by ICP-MS. Mikrochimica Acta, 2005, 150, 211-217.	5.0	36
12	Analysis of archaeological samples and local clays using ICP-AES, TGÃ¢Â€Â“DTG and FTIR techniques. Talanta, 2000, 51, 349-357.	5.5	33
13	A comparative study of solvent extraction of total petroleum hydrocarbons in soil. Mikrochimica Acta, 2007, 158, 261-268.	5.0	31
14	Determination of low methylmercury concentrations in peat soil samples by isotope dilution GC-ICP-MS using distillation and solvent extraction methods. Chemosphere, 2015, 124, 47-53.	8.2	31
15	Development of analytical methods for the determination of sub-ppm concentrations of palladium and iron in methotrexate. Journal of Pharmaceutical and Biomedical Analysis, 2004, 35, 433-439.	2.8	28
16	Determination of Heavy Metals in Waste Lubricating Oils by Inductively Coupled Plasmaâ€“Optical Emission Spectrometry. International Journal of Environmental Analytical Chemistry, 2001, 81, 89-100.	3.3	27
17	Comparison of digestion methods for the determination of ruthenium in catalyst materials. Talanta, 2014, 119, 425-429.	5.5	27
18	The use of a sequential leaching procedure for assessing the heavy metal leachability in lime waste from the lime kiln at a caustizicing process of a pulp mill. Chemosphere, 2006, 65, 2122-2129.	8.2	26

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19	Effect of sample matrix on the determination of total petroleum hydrocarbons (TPH) in soil by gas chromatographyâ€“flame ionization detection. Microchemical Journal, 2007, 87, 113-118.	4.5	24
20	Phytoextration of bromine from contaminated soil. Journal of Geochemical Exploration, 2017, 174, 21-28.	3.2	24
21	Preliminary Study of the Use of Terrestrial Moss (Pleurozium schreberi) for Biomonitoring Traffic-Related Pt and Rh Deposition. Archives of Environmental Contamination and Toxicology, 2007, 52, 347-354.	4.1	23
22	Elimination of Interferences in the Determination of Palladium, Platinum and Rhodium Mass Fractions in Moss Samples using <scp>ICP</scp>â€<scp>MS</scp>/<scp>MS</scp>. Geostandards and Geoanalytical Research, 2016, 40, 559-569.	3.1	23
23	Assessing the critical level of SO2 for Scots pine in situ. Environmental Pollution, 1996, 93, 27-38.	7.5	22
24	Effect of synthesis method variables on particle size in the preparation of homogeneous doped nano ZnO material. Microchemical Journal, 2009, 91, 272-276.	4.5	22
25	Development and optimization of a method for detecting low mercury concentrations in humic-rich natural water samples using a CV-ICP-MS technique. Microchemical Journal, 2012, 103, 165-169.	4.5	21
26	Heavy Metal Accumulation in Woodland Moss (Pleurozium Schreberi) in the Area Around a Chromium Opencast Mine at Kemi, and in the Area Around the Ferrochrome and Stainless Steel Works at Tornio, Northern Finland. International Journal of Environmental Analytical Chemistry, 2001, 81, 137-151.	3.3	19
27	Dehydration of water/dichloromethane/n-butanol mixtures by pervaporation; optimisation and modelling by response surface methodology. Journal of Membrane Science, 2009, 338, 111-118.	8.2	19
28	Determination of methyl mercury in humic-rich natural water samples using N2-distillation with isotope dilution and on-line purge and trap GC-ICP-MS. Microchemical Journal, 2014, 112, 113-118.	4.5	19
29	Active biomonitoring of palladium, platinum, and rhodium emissions from road traffic using transplanted moss. Environmental Science and Pollution Research, 2016, 23, 16790-16801.	5.3	19
30	Determination of Wear Metals in Lubrication Oils: A Comparison Study of ICP-OES and FAAS. Analytical Sciences, 2005, 21, 1365-1369.	1.6	18
31	Biodegradabilities of some chain oils in groundwater as determined by the respirometric BOD OxiTop method. Analytical and Bioanalytical Chemistry, 2005, 381, 445-450.	3.7	18
32	Impacts of forest harvesting on mobilization of Hg and MeHg in drained peatland forests on black schist or felsic bedrock. Environmental Monitoring and Assessment, 2016, 188, 228.	2.7	18
33	Mineralogical and surface chemical characterization of flotation feed and products after wet and dry grinding. Minerals Engineering, 2020, 156, 106500.	4.3	18
34	Measurement uncertainty in the determination of total petroleum hydrocarbons (TPH) in soil by GC-FID. Chemometrics and Intelligent Laboratory Systems, 2008, 92, 3-12.	3.5	17
35	Determination of Mercury Species by Capillary Column GC-QTAAS with Purge and Trap Preconcentration Technique. Mikrochimica Acta, 2001, 137, 191-201.	5.0	16
36	Infrared evolved gas analysis during thermal investigation of lanthanum, europium and samarium carbonates. Thermochimica Acta, 2003, 403, 197-206.	2.7	16

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37	The use of Scots pine (Pinus sylvestrisL.) bark as a bioindicator for environmental pollution monitoring along two industrial gradients in the Kemiâ€“Tornio area, northern Finland. International Journal of Environmental Analytical Chemistry, 2005, 85, 127-139.	3.3	16
38	Complexation of Fe(III) with waterâ€soluble oxidized starch. Starch/Staerke, 2013, 65, 338-345.	2.1	16
39	Effects of soil amendments on antimony uptake by wheat. Journal of Soils and Sediments, 2014, 14, 679-686.	3.0	15
40	Evaluating the impact of extraction and cleanup parameters on the yield of total petroleum hydrocarbons in soil. Analytical and Bioanalytical Chemistry, 2008, 392, 1231-1240.	3.7	14
41	Determination of Pt from coke samples by ICP-MS after microwave assisted digestion and microwave assisted cloud point extraction. Mikrochimica Acta, 2009, 166, 255-260.	5.0	14
42	Evaluating the impact of GC operating settings on GCâ€“FID performance for total petroleum hydrocarbon (TPH) determination. Microchemical Journal, 2010, 94, 73-78.	4.5	13
43	Needle S fractions and S to N ratios as indices of SO2 deposition. Water, Air, and Soil Pollution, 1997, 95, 277-298.	2.4	12
44	Title is missing!. Journal of Analytical Atomic Spectrometry, 2001, 16, 1333-1336.	3.0	12
45	Potential of wheat (Triticum aestivum L.) and pea (Pisum sativum) for remediation of soils contaminated with bromides and PAHs. International Journal of Phytoremediation, 2018, 20, 560-566.	3.1	12
46	Development of an Efficient Acid Digestion Procedure Utilizing High-Pressure Asher Technique for the Determination of Iodine and Metallic Elements in Milk Powder. Food Analytical Methods, 2014, 7, 1103-1108.	2.6	11
47	Determination of Trace Impurities in Germanium Dioxide by ICP-OES, ICP-MS and ETAAS after Matrix Volatilization: A Long-run Performance of the Method. Analytical Sciences, 2014, 30, 735-738.	1.6	11
48	Microwave sample-digestion procedure for determination of arsenic in moss samples using electrothermal atomic absorption spectrometry and inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2003, 375, 673-678.	3.7	10
49	Sediment, Perch (Perca fluviatilis L.) and Bottom Fauna as Indicators of Effluent Discharged from the Pulp and Paper Mill Complex at Kemi, Northern Finland. Water, Air, and Soil Pollution, 2004, 158, 325-343.	2.4	10
50	Extractability of trace elements in precipitated calcium carbonate (PCC) waste from an integrated pulp and paper mill complex. Chemosphere, 2008, 70, 1161-1167.	8.2	10
51	The Icelandic Laki volcanic tephra layer in the Lomonosovfonna ice core, Svalbard. Polar Research, 2005, 24, 33-40.	1.6	10
52	Analysis of superconductor oxides YBa2Cu3O8â^'x by inductively coupled plasma atomic emission spectrometry and complexometric titration. Analytica Chimica Acta, 1996, 330, 259-263.	5.4	9
53	Correction of spectral interference of calcium in sulfur determination by inductively coupled plasma optical emission spectrometry using multiple linear regression. Journal of Analytical Atomic Spectrometry, 2002, 17, 104-108.	3.0	9
54	Assessment of the Impact of Opencast Chrome Mining on the Ambient Air Concentrations of TSP, Cr, Ni and Pb Around A Mining Complex in Northern Finland. International Journal of Environmental Analytical Chemistry, 2002, 82, 307-319.	3.3	9

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55	Water-soluble oxidized starch in complexation of Fe(III), Cu(II), Ni(II) and Zn(II) ions. Reactive and Functional Polymers, 2014, 83, 123-131.	4.1	9
56	Response of wheat and pea seedlings on increase of bromine concentration in the growth medium. Environmental Science and Pollution Research, 2015, 22, 19060-19068.	5.3	9
57	The use of a dual mode sample introduction system for internal standardization in the determination of Hg at the ngÂLâ¯1 level by cold vapor ICP-MS. Analytical Methods, 2013, 5, 3082.	2.7	8
58	Preliminary Studies of Iron Speciation (Fe2+ and Fe3+) in Peat Samples Using Polarography.. Analytical Sciences, 2000, 16, 751-756.	1.6	7
59	Trace element analysis of superconductor oxides by ICP-AES. Journal of Analytical Atomic Spectrometry, 2000, 15, 571-572.	3.0	7
60	Effect of Process Parameters on Catalytic Incineration of Solvent Emissions. Journal of Automated Methods and Management in Chemistry, 2008, 2008, 1-7.	0.5	7
61	Microwave-assisted double insert vapour-phase digestion of organic samples. Analytica Chimica Acta, 2009, 634, 205-208.	5.4	7
62	Determination of Ethyl Xanthate in Aqueous Solution by High Performance Liquid Chromatographyâ€“Inductively Coupled Plasmaâ€“Tandem Mass Spectrometry and Spectrophotometry. Analytical Letters, 2022, 55, 1857-1871.	1.8	7
63	Matrix effects in argon plasma on elemental analysis of archaeological glazes by inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1995, 10, 117-119.	3.0	6
64	The study of the selection of emission lines and plasma operating conditions for efficient internal standardization in inductively coupled plasma optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 231-242.	2.9	6
65	Thermal and spectroscopic investigation of europium and samarium sulphates hydrates by TG-FTIR and ICP-MS techniques. Talanta, 2005, 67, 897-902.	5.5	6
66	Determination of Alloying and Impurity Elements from Matrix and Inclusions from a Process Sample of a Double Stabilized Stainless Steel. ISIJ International, 2016, 56, 1445-1451.	1.4	6
67	Determination of antimony in geological samples using hydride generation and direct current plasma atomic emission spectrometry. Analyst, The, 1988, 113, 1567-1570.	3.5	5
68	Electrothermal atomic absorption spectrometric determination of antimony in metal chloride matrices using probe and tube-wall atomization. Journal of Analytical Atomic Spectrometry, 1992, 7, 735-741.	3.0	5
69	Evaluation and Optimization of the Oxidation efficiency of a UV-Persulphate-Oxidation Toc-Analyzer for the Determination of Oil Contamination from Forestry in Ground Water. International Journal of Environmental Analytical Chemistry, 2003, 83, 157-165.	3.3	5
70	Cloud point extraction of platinum group elements and gold: elimination of nitric acid-related problems with sulphamic acid. Analytical Methods, 2014, 6, 9321-9327.	2.7	5
71	Evaluation of time-gated Raman spectroscopy for the determination of nitric, sulfuric and hydrofluoric acid concentrations in pickle liquor. Microchemical Journal, 2018, 137, 342-347.	4.5	5
72	Bioavailability and toxicity of bromine and neodymium for plants grown in soil and water. Environmental Geochemistry and Health, 2022, 44, 285-293.	3.4	5

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73	Comparison between Fluorescence Imaging and Elemental Analysis to Determine Biodistribution of Inorganic Nanoparticles with Strong Light Absorption. ACS Applied Materials & Interfaces, 2021, 13, 40392-40400.	8.0	5
74	Determination of boron and lithium in ferroelectric samples by ICP-OES and ICP-MS. Mikrochimica Acta, 2009, 164, 217-224.	5.0	4
75	Release of metals from grate-fired boiler cyclone ash at different pH values. Chemical Speciation and Bioavailability, 2009, 21, 23-31.	2.0	4
76	A summer school where master students learn the skills needed to work in an accredited analytical laboratory. Analytical and Bioanalytical Chemistry, 2015, 407, 6899-6907.	3.7	4
77	Internal standardization using a dual mode sample introduction system in the determination of As by HG-ICP-MS. Microchemical Journal, 2016, 129, 117-122.	4.5	4
78	Effect of ambient SO2 levels on S fractions in Pinus sylvestris foliage growing in the subarctic. Scandinavian Journal of Forest Research, 1998, 13, 306-316.	1.4	3
79	Response of wheat and barley seedlings on soil contamination with bromides. Environmental Geochemistry and Health, 2022, 44, 537-550.	3.4	3
80	Controlling Contamination for Determination of Ultra-Trace Levels of Cr and Ni in Biological Materials in a Conventional Laboratory. Analytical Letters, 2011, 44, 2321-2333.	1.8	2
81	GC-MS identification of residue compounds from a polyethylene reference material digested with microwave-assisted nitric acid vapor-phase digestion. Analytical Methods, 2012, 4, 3251.	2.7	2
82	Nano-TiO 2 catalyzed UV-LED sample pretreatment method for decomposition of humic substances in natural water samples. Microchemical Journal, 2017, 133, 645-649.	4.5	2
83	Effects of bromides of potassium and ammonium on some crops. Journal of Plant Nutrition, 2019, 42, 2209-2220.	1.9	2
84	Properties and suitability of liquid electrode plasma optical emission spectrometry (LEP-OES) for the determination of potassium, lithium, iron, and zinc in aqueous sample solutions. Instrumentation Science and Technology, 2022, 50, 146-160.	1.8	2
85	The effect of experimental conditions on the formation of dixanthogen by triiodide oxidation in the determination of ethyl xanthate by HPLCâ€“ICP-MS/MS. Analytical Sciences, 2022, 38, 1221-1231.	1.6	2
86	NEEDLE S FRACTIONS AND S TO N RATIOS AS INDICES OF SO2 DEPOSITION. Water, Air, and Soil Pollution, 1997, 95, 277-298.	2.4	0
87	DETERMINATION OF TRACE METALS IN BIOLOGICAL SAMPLES BY ATOMIC EMISSION AND ABSORPTION. MICROWAVE-ASSISTED SAMPLE PREPARATION. Critical Reviews in Analytical Chemistry, 1998, 28, 87-91.	3.5	0