

Paavo PerÄmÄki

List of Publications by Year in descending order

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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	Response of wheat and barley seedlings on soil contamination with bromides. <i>Environmental Geochemistry and Health</i> , 2022, 44, 537-550.	3.4	3
2	Bioavailability and toxicity of bromine and neodymium for plants grown in soil and water. <i>Environmental Geochemistry and Health</i> , 2022, 44, 285-293.	3.4	5
3	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. <i>Instrumentation Science and Technology</i> , 2022, 50, 146-160.	1.8	2
4	Determination of Ethyl Xanthate in Aqueous Solution by High Performance Liquid Chromatography-Inductively Coupled Plasma-Tandem Mass Spectrometry and Spectrophotometry. <i>Analytical Letters</i> , 2022, 55, 1857-1871.	1.8	7
5	The effect of experimental conditions on the formation of dixanthogen by triiodide oxidation in the determination of ethyl xanthate by HPLC-ICP-MS/MS. <i>Analytical Sciences</i> , 2022, 38, 1221-1231.	1.6	2
6	Comparison between Fluorescence Imaging and Elemental Analysis to Determine Biodistribution of Inorganic Nanoparticles with Strong Light Absorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40392-40400.	8.0	5
7	Mineralogical and surface chemical characterization of flotation feed and products after wet and dry grinding. <i>Minerals Engineering</i> , 2020, 156, 106500.	4.3	18
8	Effects of bromides of potassium and ammonium on some crops. <i>Journal of Plant Nutrition</i> , 2019, 42, 2209-2220.	1.9	2
9	Evaluation of time-gated Raman spectroscopy for the determination of nitric, sulfuric and hydrofluoric acid concentrations in pickle liquor. <i>Microchemical Journal</i> , 2018, 137, 342-347.	4.5	5
10	Potential of wheat (<i>Triticum aestivum</i> L.) and pea (<i>Pisum sativum</i>) for remediation of soils contaminated with bromides and PAHs. <i>International Journal of Phytoremediation</i> , 2018, 20, 560-566.	3.1	12
11	Phytoextraction of bromine from contaminated soil. <i>Journal of Geochemical Exploration</i> , 2017, 174, 21-28.	3.2	24
12	Optimization of the metakaolin geopolymer preparation for maximized ammonium adsorption capacity. <i>Journal of Materials Science</i> , 2017, 52, 9363-9376.	3.7	38
13	Nano-TiO ₂ catalyzed UV-LED sample pretreatment method for decomposition of humic substances in natural water samples. <i>Microchemical Journal</i> , 2017, 133, 645-649.	4.5	2
14	Determination of Alloying and Impurity Elements from Matrix and Inclusions from a Process Sample of a Double Stabilized Stainless Steel. <i>ISIJ International</i> , 2016, 56, 1445-1451.	1.4	6
15	Active biomonitoring of palladium, platinum, and rhodium emissions from road traffic using transplanted moss. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16790-16801.	5.3	19
16	Impacts of forest harvesting on mobilization of Hg and MeHg in drained peatland forests on black schist or felsic bedrock. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 228.	2.7	18
17	Internal standardization using a dual mode sample introduction system in the determination of As by HG-ICP-MS. <i>Microchemical Journal</i> , 2016, 129, 117-122.	4.5	4
18	Elimination of Interferences in the Determination of Palladium, Platinum and Rhodium Mass Fractions in Moss Samples using ICP-MS/MS. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 559-569.	3.1	23

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19	Determination of low methylmercury concentrations in peat soil samples by isotope dilution GC-ICP-MS using distillation and solvent extraction methods. <i>Chemosphere</i> , 2015, 124, 47-53.	8.2	31
20	Recovery of palladium, platinum, rhodium and ruthenium from catalyst materials using microwave-assisted leaching and cloud point extraction. <i>Hydrometallurgy</i> , 2015, 154, 56-62.	4.3	85
21	Response of wheat and pea seedlings on increase of bromine concentration in the growth medium. <i>Environmental Science and Pollution Research</i> , 2015, 22, 19060-19068.	5.3	9
22	A summer school where master students learn the skills needed to work in an accredited analytical laboratory. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6899-6907.	3.7	4
23	Cloud point extraction of platinum group elements and gold: elimination of nitric acid-related problems with sulphamic acid. <i>Analytical Methods</i> , 2014, 6, 9321-9327.	2.7	5
24	Comparison of digestion methods for the determination of ruthenium in catalyst materials. <i>Talanta</i> , 2014, 119, 425-429.	5.5	27
25	Effects of soil amendments on antimony uptake by wheat. <i>Journal of Soils and Sediments</i> , 2014, 14, 679-686.	3.0	15
26	Development of an Efficient Acid Digestion Procedure Utilizing High-Pressure Asher Technique for the Determination of Iodine and Metallic Elements in Milk Powder. <i>Food Analytical Methods</i> , 2014, 7, 1103-1108.	2.6	11
27	Determination of methyl mercury in humic-rich natural water samples using N ₂ -distillation with isotope dilution and on-line purge and trap GC-ICP-MS. <i>Microchemical Journal</i> , 2014, 112, 113-118.	4.5	19
28	Water-soluble oxidized starch in complexation of Fe(III), Cu(II), Ni(II) and Zn(II) ions. <i>Reactive and Functional Polymers</i> , 2014, 83, 123-131.	4.1	9
29	Determination of Trace Impurities in Germanium Dioxide by ICP-OES, ICP-MS and ETAAS after Matrix Volatilization: A Long-run Performance of the Method. <i>Analytical Sciences</i> , 2014, 30, 735-738.	1.6	11
30	Complexation of Fe(III) with water-soluble oxidized starch. <i>Starch/Staerke</i> , 2013, 65, 338-345.	2.1	16
31	The use of a dual mode sample introduction system for internal standardization in the determination of Hg at the ng L ⁻¹ level by cold vapor ICP-MS. <i>Analytical Methods</i> , 2013, 5, 3082.	2.7	8
32	GC-MS identification of residue compounds from a polyethylene reference material digested with microwave-assisted nitric acid vapor-phase digestion. <i>Analytical Methods</i> , 2012, 4, 3251.	2.7	2
33	Development and optimization of a method for detecting low mercury concentrations in humic-rich natural water samples using a CV-ICP-MS technique. <i>Microchemical Journal</i> , 2012, 103, 165-169.	4.5	21
34	Controlling Contamination for Determination of Ultra-Trace Levels of Cr and Ni in Biological Materials in a Conventional Laboratory. <i>Analytical Letters</i> , 2011, 44, 2321-2333.	1.8	2
35	Micellar-enhanced ultrafiltration for the removal of cadmium and zinc: Use of response surface methodology to improve understanding of process performance and optimisation. <i>Journal of Hazardous Materials</i> , 2010, 180, 524-534.	12.4	119
36	Evaluating the impact of GC operating settings on GC-FID performance for total petroleum hydrocarbon (TPH) determination. <i>Microchemical Journal</i> , 2010, 94, 73-78.	4.5	13

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37	Determination of boron and lithium in ferroelectric samples by ICP-OES and ICP-MS. <i>Mikrochimica Acta</i> , 2009, 164, 217-224.	5.0	4
38	Determination of Pt from coke samples by ICP-MS after microwave assisted digestion and microwave assisted cloud point extraction. <i>Mikrochimica Acta</i> , 2009, 166, 255-260.	5.0	14
39	Dehydration of water/dichloromethane/n-butanol mixtures by pervaporation; optimisation and modelling by response surface methodology. <i>Journal of Membrane Science</i> , 2009, 338, 111-118.	8.2	19
40	Effect of synthesis method variables on particle size in the preparation of homogeneous doped nano ZnO material. <i>Microchemical Journal</i> , 2009, 91, 272-276.	4.5	22
41	Microwave-assisted double insert vapour-phase digestion of organic samples. <i>Analytica Chimica Acta</i> , 2009, 634, 205-208.	5.4	7
42	Release of metals from grate-fired boiler cyclone ash at different pH values. <i>Chemical Speciation and Bioavailability</i> , 2009, 21, 23-31.	2.0	4
43	Evaluating the impact of extraction and cleanup parameters on the yield of total petroleum hydrocarbons in soil. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 1231-1240.	3.7	14
44	Measurement uncertainty in the determination of total petroleum hydrocarbons (TPH) in soil by GC-FID. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008, 92, 3-12.	3.5	17
45	Extractability of trace elements in precipitated calcium carbonate (PCC) waste from an integrated pulp and paper mill complex. <i>Chemosphere</i> , 2008, 70, 1161-1167.	8.2	10
46	Effect of Process Parameters on Catalytic Incineration of Solvent Emissions. <i>Journal of Automated Methods and Management in Chemistry</i> , 2008, 2008, 1-7.	0.5	7
47	Effect of sample matrix on the determination of total petroleum hydrocarbons (TPH) in soil by gas chromatography-flame ionization detection. <i>Microchemical Journal</i> , 2007, 87, 113-118.	4.5	24
48	Preliminary Study of the Use of Terrestrial Moss (<i>Pleurozium schreberi</i>) for Biomonitoring Traffic-Related Pt and Rh Deposition. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 52, 347-354.	4.1	23
49	A comparative study of solvent extraction of total petroleum hydrocarbons in soil. <i>Mikrochimica Acta</i> , 2007, 158, 261-268.	5.0	31
50	The use of a sequential leaching procedure for assessing the heavy metal leachability in lime waste from the lime kiln at a causticizing process of a pulp mill. <i>Chemosphere</i> , 2006, 65, 2122-2129.	8.2	26
51	Determination of Wear Metals in Lubrication Oils: A Comparison Study of ICP-OES and FAAS. <i>Analytical Sciences</i> , 2005, 21, 1365-1369.	1.6	18
52	Biodegradabilities of some chain oils in groundwater as determined by the respirometric BOD OxiTop method. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 445-450.	3.7	18
53	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. <i>Mikrochimica Acta</i> , 2005, 150, 211-217.	5.0	36
54	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. <i>Chemical Speciation and Bioavailability</i> , 2005, 17, 1-9.	2.0	39

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55	The use of Scots pine (<i>Pinus sylvestris</i> L.) bark as a bioindicator for environmental pollution monitoring along two industrial gradients in the Kemi–Tornio area, northern Finland. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 127-139.	3.3	16
56	The use of a sequential leaching procedure for heavy metal fractionation in green liquor dregs from a causticizing process at a pulp mill. <i>Chemosphere</i> , 2005, 61, 1475-1484.	8.2	52
57	Thermal and spectroscopic investigation of europium and samarium sulphates hydrates by TG-FTIR and ICP-MS techniques. <i>Talanta</i> , 2005, 67, 897-902.	5.5	6
58	The 800 year long ion record from the Lomonosovfonna (Svalbard) ice core. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	42
59	The Icelandic Laki volcanic tephra layer in the Lomonosovfonna ice core, Svalbard. <i>Polar Research</i> , 2005, 24, 33-40.	1.6	10
60	Sediment, Perch (<i>Perca fluviatilis</i> L.) and Bottom Fauna as Indicators of Effluent Discharged from the Pulp and Paper Mill Complex at Kemi, Northern Finland. <i>Water, Air, and Soil Pollution</i> , 2004, 158, 325-343.	2.4	10
61	Development of analytical methods for the determination of sub-ppm concentrations of palladium and iron in methotrexate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 35, 433-439.	2.8	28
62	The study of the selection of emission lines and plasma operating conditions for efficient internal standardization in inductively coupled plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 231-242.	2.9	6
63	Determination of platinum and rhodium in dust and plant samples using microwave-assisted sample digestion and ICP-MS. <i>Analytica Chimica Acta</i> , 2004, 521, 137-142.	5.4	73
64	Microwave sample-digestion procedure for determination of arsenic in moss samples using electrothermal atomic absorption spectrometry and inductively coupled plasma mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 673-678.	3.7	10
65	Determination of arsenic, iron and selenium in moss samples using hexapole collision cell, inductively coupled plasma–mass spectrometry. <i>Analytica Chimica Acta</i> , 2003, 493, 3-12.	5.4	38
66	Infrared evolved gas analysis during thermal investigation of lanthanum, europium and samarium carbonates. <i>Thermochimica Acta</i> , 2003, 403, 197-206.	2.7	16
67	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2003, 83, 157-165.	3.3	5
68	Correction of spectral interference of calcium in sulfur determination by inductively coupled plasma optical emission spectrometry using multiple linear regression. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 104-108.	3.0	9
69	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 307-319.	3.3	9
70	Determination of Heavy Metals in Waste Lubricating Oils by Inductively Coupled Plasma–Optical Emission Spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 81, 89-100.	3.3	27
71	Title is missing!. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1333-1336.	3.0	12
72	Heavy Metal Accumulation in Woodland Moss (<i>Pleurozium Schreberi</i>) 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. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 81, 137-151.	3.3	19

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73	Determination of Mercury Species by Capillary Column GC-QTAAS with Purge and Trap Preconcentration Technique. <i>Mikrochimica Acta</i> , 2001, 137, 191-201.	5.0	16
74	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. <i>Analytica Chimica Acta</i> , 2001, 439, 229-238.	5.4	37
75	Preliminary Studies of Iron Speciation (Fe ²⁺ and Fe ³⁺) in Peat Samples Using Polarography.. <i>Analytical Sciences</i> , 2000, 16, 751-756.	1.6	7
76	Analysis of archaeological samples and local clays using ICP-AES, TGA, DTG and FTIR techniques. <i>Talanta</i> , 2000, 51, 349-357.	5.5	33
77	Trace element analysis of superconductor oxides by ICP-AES. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 571-572.	3.0	7
78	Simple procedure for ion chromatographic determination of anions and cations at trace levels in ice core samples. <i>Analytica Chimica Acta</i> , 1999, 389, 21-29.	5.4	44
79	Effect of ambient SO ₂ levels on S fractions in <i>Pinus sylvestris</i> foliage growing in the subarctic. <i>Scandinavian Journal of Forest Research</i> , 1998, 13, 306-316.	1.4	3
80	DETERMINATION OF TRACE METALS IN BIOLOGICAL SAMPLES BY ATOMIC EMISSION AND ABSORPTION. MICROWAVE-ASSISTED SAMPLE PREPARATION. <i>Critical Reviews in Analytical Chemistry</i> , 1998, 28, 87-91.	3.5	0
81	NEEDLE S FRACTIONS AND S TO N RATIOS AS INDICES OF SO ₂ DEPOSITION. <i>Water, Air, and Soil Pollution</i> , 1997, 95, 277-298.	2.4	0
82	Needle S fractions and S to N ratios as indices of SO ₂ deposition. <i>Water, Air, and Soil Pollution</i> , 1997, 95, 277-298.	2.4	12
83	Assessing the critical level of SO ₂ for Scots pine in situ. <i>Environmental Pollution</i> , 1996, 93, 27-38.	7.5	22
84	Analysis of superconductor oxides YBa ₂ Cu ₃ O _{8-x} by inductively coupled plasma atomic emission spectrometry and complexometric titration. <i>Analytica Chimica Acta</i> , 1996, 330, 259-263.	5.4	9
85	Matrix effects in argon plasma on elemental analysis of archaeological glazes by inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 117-119.	3.0	6
86	Electrothermal atomic absorption spectrometric determination of antimony in metal chloride matrices using probe and tube-wall atomization. <i>Journal of Analytical Atomic Spectrometry</i> , 1992, 7, 735-741.	3.0	5
87	Determination of antimony in geological samples using hydride generation and direct current plasma atomic emission spectrometry. <i>Analyst</i> , 1988, 113, 1567-1570.	3.5	5