

Piotr Konieczka

List of Publications by Year in descending order

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82
papers

4,133
citations

236925

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87
docs citations

87
times ranked

4811
citing authors

#	ARTICLE	IF	CITATIONS
1	The importance and availability of marine certified reference materials. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 3322-3373.	12.8	3
2	Total mercury and methylmercury (MeHg) in braised and crude <i>Boletus edulis</i> carpophores during various developmental stages. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3107-3115.	5.3	10
3	Mineral Composition of Dietary Supplements-Analytical and Chemometric Approach. <i>Nutrients</i> , 2022, 14, 106.	4.1	6
4	Mercury in Living Organisms: Sources and Forms of Occurrence, Bioaccumulation, and Determination Methods. , 2022, , 1033-1046.		1
5	A method for the analysis of methylmercury and total Hg in fungal matrices. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 5261-5272.	3.6	13
6	Challenges and opportunities related to the use of sewage sludge ash in cement-based building materials – A review. <i>Journal of Cleaner Production</i> , 2021, 287, 125054.	9.3	37
7	Production of certified reference materials - homogeneity and stability study based on the determination of total mercury and methylmercury. <i>Microchemical Journal</i> , 2020, 153, 104338.	4.5	16
8	Quantitative Assessment. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 379-394.	0.7	0
9	Determination of heavy metals in eyeshadows from China. <i>Monatshefte für Chemie</i> , 2019, 150, 1675-1680.	1.8	15
10	Application of micellar electrokinetic chromatography for detection of silver nanoparticles released from wound dressing. <i>Electrophoresis</i> , 2019, 40, 1565-1572.	2.4	8
11	Organic Acids and Polyphenols Determination in Polish Wines by Ultrasound-Assisted Solvent Extraction of Porous Membrane-Packed Liquid Samples. <i>Molecules</i> , 2019, 24, 4376.	3.8	26
12	Methylmercury and total mercury content in soft tissues of two bird species wintering in the Baltic Sea near Gdansk, Poland. <i>Chemosphere</i> , 2019, 219, 140-147.	8.2	17
13	A mixture of cellulose production waste with municipal sewage as new material for an ecological management of wastes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 607-614.	6.0	35
14	Mercury concentration and the absolute and relative sizes of the internal organs in cormorants <i>Phalacrocorax carbo</i> (L. 1758) from the breeding colony by the Vistula Lagoon (Poland). <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 118-126.	6.0	10
15	Comprehensive stabilization of all streams of solid residues formed during sewage sludge thermal treatment – Case study. <i>Journal of Cleaner Production</i> , 2018, 178, 757-767.	9.3	9
16	Comparison of Two Methods for the Determination of Selected Pesticides in Honey and Honeybee Samples. <i>Molecules</i> , 2018, 23, 2582.	3.8	17
17	Homogeneity study of candidate reference material (contaminated soil) based on determination of selected metals, PCBs and PAHs. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 128, 1-12.	5.0	12
18	The potential of raw sewage sludge in construction industry – A review. <i>Journal of Cleaner Production</i> , 2018, 200, 342-356.	9.3	123

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19	Analytical and legislative challenges of sewage sludge processing and management. Monatshefte für Chemie, 2018, 149, 1635-1645.	1.8	13
20	Ultrasound-Assisted Extraction. , 2017, , 301-324.		29
21	Novel fast analytical method for indirect determination of MCPD fatty acid esters in edible oils and fats based on simultaneous extraction and derivatization. Analytical and Bioanalytical Chemistry, 2017, 409, 4267-4278.	3.7	15
22	Development of potential candidate reference materials for drugs in bottom sediment, cod and herring tissues. Chemosphere, 2017, 169, 181-187.	8.2	7
23	A review of phosphorus recovery methods at various steps of wastewater treatment and sewage sludge management. The concept of "zero solid waste generation" and analytical methods. Journal of Cleaner Production, 2017, 142, 1728-1740.	9.3	284
24	Characteristics of odors emitted from municipal wastewater treatment plant and methods for their identification and deodorization techniques. Environmental Research, 2016, 151, 573-586.	7.5	105
25	Methods of Selenium Supplementation: Bioavailability and Determination of Selenium Compounds. Critical Reviews in Food Science and Nutrition, 2016, 56, 36-55.	10.3	74
26	Evaluation of candidate reference material obtained from selenium-enriched sprouts for the purpose of selenium speciation analysis. LWT - Food Science and Technology, 2016, 70, 286-295.	5.2	12
27	Exploration of optical fibres as a carrier for new benzene and toluene matrix-free reference materials. Analytical and Bioanalytical Chemistry, 2015, 407, 5759-5766.	3.7	0
28	Surface sediments pollution due to shipwreck s/s "Stuttgart", a multidisciplinary approach. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1797-1807.	4.0	17
29	Review of sewage sludge management: standards, regulations and analytical methods. Journal of Cleaner Production, 2015, 90, 1-15.	9.3	426
30	The Use of Vegetables in the Biomonitoring of Cadmium and Lead Pollution in the Environment. Critical Reviews in Analytical Chemistry, 2014, 44, 2-15.	3.5	19
31	Comparison of High Performance Liquid Chromatography Methods with Different Detectors for Determination of Steroid Hormones in Aqueous Matrices. Analytical Letters, 2014, 47, 1449-1464.	1.8	6
32	The influence of selenium addition during germination of <i>Brassica</i> seeds on health-promoting potential of sprouts. International Journal of Food Sciences and Nutrition, 2014, 65, 692-702.	2.8	36
33	The Fate of BTEX Compounds in Ambient Air. Critical Reviews in Environmental Science and Technology, 2014, 44, 455-472.	12.8	26
34	Organomercury Compounds in Environmental Samples: Emission Sources, Toxicity, Environmental Fate, and Determination. Critical Reviews in Environmental Science and Technology, 2014, 44, 638-704.	12.8	36
35	New developments in preparation and use of standard gas mixtures. TrAC - Trends in Analytical Chemistry, 2014, 62, 135-143.	11.4	14
36	Microextraction Techniques Used in the Procedures for Determining Organomercury and Organotin Compounds in Environmental Samples. Molecules, 2014, 19, 7581-7609.	3.8	32

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37	New matrix-free reference material for ethene in the form of optical fibres. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1773-1778.	3.7	2
38	Validation of a sampling procedure. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 117-126.	11.4	16
39	Organotin Compounds: Environmental Fate and Analytics. <i>Critical Reviews in Analytical Chemistry</i> , 2013, 43, 35-54.	3.5	30
40	Mercury in Different Feather Types from Great Cormorants (<i>Phalacrocorax carbo</i> L.) Inhabiting the Vistula Lagoon Ecosystem in Poland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 841-844.	2.7	11
41	Analytical Eco-Scale for assessing the greenness of analytical procedures. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 37, 61-72.	11.4	1,228
42	The dose-dependent influence of zinc and cadmium contamination of soil on their uptake and glucosinolate content in white cabbage (<i>Brassica oleracea</i> var. <i>capitata</i> f. <i>alba</i>). <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2482-2489.	4.3	58
43	Phenolic Composition and Antioxidant Properties of Polish Blue-Berried Honeysuckle Genotypes by HPLC-DAD-MS, HPLC Postcolumn Derivatization with ABTS or FC, and TLC with DPPH Visualization. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 1755-1763.	5.2	77
44	The Properties, Functions, and Use of Selenium Compounds in Living Organisms. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2012, 30, 225-252.	2.9	113
45	Biomagnification of mercury in trophic relation of Great Cormorant (<i>Phalacrocorax carbo</i>) and fish in the Vistula Lagoon, Poland. <i>Environmental Monitoring and Assessment</i> , 2011, 176, 439-449.	2.7	34
46	Speciation of trace element compounds in samples of biota from marine ecosystems. <i>Chemical Speciation and Bioavailability</i> , 2011, 23, 125-142.	2.0	3
47	Use of Brassica Plants in the Phytoremediation and Biofumigation Processes. <i>International Journal of Molecular Sciences</i> , 2011, 12, 7760-7771.	4.1	111
48	Standard gas mixtures – indispensable reference materials in the analysis of gaseous media. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 419-429.	11.4	19
49	Quality problems in determination of organic compounds in environmental samples, such as PAHs and PCBs. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 706-717.	11.4	27
50	Estimating uncertainty in analytical procedures based on chromatographic techniques. <i>Journal of Chromatography A</i> , 2010, 1217, 882-891.	3.7	257
51	Characteristics, Chemical Modification Processes as well as the Application of Silica and its Modified Forms. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 60-69.	3.5	14
52	Surface characteristics of glass fibres covered with an aluminum layer after a chemical modification process using secondary ion mass spectrometry (SIMS) and atomic force microscopy (AFM). <i>International Journal of Mass Spectrometry</i> , 2009, 286, 11-16.	1.5	3
53	Problems of PAH quantification by GC-MS method using isotope-labelled standards. <i>Talanta</i> , 2009, 78, 730-735.	5.5	21
54	Prospects for the Production, Research and Utilization of Reference Materials. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 311-322.	3.5	13

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55	The Role of and the Place of Method Validation in the Quality Assurance and Quality Control (QA/QC) System. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 173-190.	3.5	63
56	A comparison of three solvent-free techniques coupled with gas chromatography for determining trihalomethanes in urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 691-698.	3.7	12
57	Determination of tributyltin (TBT) in marine sediment using pressurised liquid extraction-gas chromatography-isotope dilution mass spectrometry (PLE-GC-IDMS) with a hexane-tropolone mixture. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 975-978.	3.7	19
58	Metal-coated fused silica fibers as a support for immobilized compounds yielding a volatile analyte (C ₂ H ₄). <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1725-1731.	3.7	5
59	Validation of the HS-GC-FID method for the determination of ethanol residue in tablets. <i>Accreditation and Quality Assurance</i> , 2007, 12, 257-262.	0.8	11
60	Determination of POPs in environmental matrices - proficiency tests for Polish laboratories. <i>Accreditation and Quality Assurance</i> , 2006, 11, 584-589.	0.8	5
61	Determination of PCBs in river sediment samples - proficiency test for selected Polish laboratories. <i>Accreditation and Quality Assurance</i> , 2005, 10, 241-251.	0.8	6
62	Calibration in Metrological Approach. <i>Analytical Letters</i> , 2005, 38, 353-376.	1.8	18
63	Chemically Modified Glass Fiber as a Matrix-Free Reference Material for Volatile Compounds. <i>Analytical Chemistry</i> , 2005, 77, 3018-3020.	6.5	8
64	Development of Techniques of Generation of Gaseous Standard Mixtures. <i>Critical Reviews in Analytical Chemistry</i> , 2005, 35, 31-55.	3.5	37
65	Gaseous standard mixtures - the challenge of obtaining small amounts of measurands. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 450-458.	11.4	11
66	New procedure of silica gel surface modification. <i>Journal of Chromatography A</i> , 2004, 1033, 145-151.	3.7	11
67	Determination of tributyltin in marine sediment: Comité Consultatif pour la Quantité de Matière (CCQM) pilot study P-18 international intercomparison. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 780-787.	3.7	28
68	Thermal decomposition of surface compounds for the generation of small quantities of acetaldehyde. <i>Analytica Chimica Acta</i> , 2003, 488, 89-96.	5.4	16
69	Analytical Procedure for the Determination of Chlorobenzenes in Sediments. <i>Journal of Chromatographic Science</i> , 2003, 41, 53-56.	1.4	11
70	Intercomparison on measurements of PCBs in pork fat during the Belgian PCB-crisis. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 305-313.	3.7	6
71	Generation of gaseous mixtures of ethene on the basis of thermal decomposition of compound bonded to silica gel surface - Single and multipoint calibration of a thermal decomposition-gas chromatography system. <i>Journal of Separation Science</i> , 2001, 24, 226-229.	2.5	8
72	Use of porous glass and silica gel as support media of a surface compound for generation of analytes in gaseous standard mixtures. New method for the determination of the amount of analyte generated. <i>Journal of Chromatography A</i> , 2001, 928, 99-108.	3.7	22

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73	Effect of fluoride content in drinking water in Tricity on its concentration in urine of pre-€school children. <i>Toxicological and Environmental Chemistry</i> , 2000, 74, 125-130.	1.2	5
74	A New Approach to Generation of Standard Gas Mixtures used in the Calibration of Gas Analysers. <i>Environmental Technology (United Kingdom)</i> , 1999, 20, 1065-1073.	2.2	7
75	Thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures containing ammonia and amines. <i>Mikrochimica Acta</i> , 1997, 127, 211-217.	5.0	21
76	Calibration of the thermal desorption-gas chromatography-mass spectrometry system using standards generated in the process of thermal decomposition of chemically modified silica gel. <i>Journal of Chromatography A</i> , 1996, 742, 175-179.	3.7	21
77	Utilization of thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures used in the calibration of gas analysers. <i>Analyst, The</i> , 1995, 120, 2041-2046.	3.5	18
78	Complexing and Chelating Agents Immobilized on Silica Gel and Related Materials and Their Application for Sorption of Inorganic Species. <i>Separation and Purification Reviews</i> , 1994, 23, 77-348.	0.8	47
79	Study of a method for the preparation of standard gas mixtures based on thermal decomposition of surface compounds. Application to isothiocyanates. <i>Analytica Chimica Acta</i> , 1992, 265, 127-132.	5.4	24
80	Generation of standard gaseous mixtures by thermal decomposition of surface compounds. <i>Journal of Chromatography A</i> , 1991, 540, 449-455.	3.7	34
81	Quality Assurance and Quality Control in the Analytical Chemical Laboratory. , 0, , .		47
82	Quality Assurance and Quality Control in the Analytical Chemical Laboratory. , 0, , .		59