Piotr Konieczka

List of Publications by Year in descending order

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82 papers	4,133 citations	236925 25 h-index	123424 61 g-index
87 all docs	87 docs citations	87 times ranked	4811 citing authors

#	Article	IF	Citations
1	Analytical Eco-Scale for assessing the greenness of analytical procedures. TrAC - Trends in Analytical Chemistry, 2012, 37, 61-72.	11.4	1,228
2	Review of sewage sludge management: standards, regulations and analytical methods. Journal of Cleaner Production, 2015, 90, 1-15.	9.3	426
3	A review of phosphorus recovery methods at various steps of wastewater treatment and sewage sludge management. The concept of â€œno solid waste generationâ€•and analytical methods. Journal of Cleaner Production, 2017, 142, 1728-1740.	9.3	284
4	Estimating uncertainty in analytical procedures based on chromatographic techniques. Journal of Chromatography A, 2010, 1217, 882-891.	3.7	257
5	The potential of raw sewage sludge in construction industry â€“ A review. Journal of Cleaner Production, 2018, 200, 342-356.	9.3	123
6	The Properties, Functions, and Use of Selenium Compounds in Living Organisms. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2012, 30, 225-252.	2.9	113
7	Use of Brassica Plants in the Phytoremediation and Biofumigation Processes. International Journal of Molecular Sciences, 2011, 12, 7760-7771.	4.1	111
8	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
9	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. Journal of Agricultural and Food Chemistry, 2012, 60, 1755-1763.	5.2	77
10	Methods of Selenium Supplementation: Bioavailability and Determination of Selenium Compounds. Critical Reviews in Food Science and Nutrition, 2016, 56, 36-55.	10.3	74
11	The Role of and the Place of Method Validation in the Quality Assurance and Quality Control (QA/QC) System. Critical Reviews in Analytical Chemistry, 2007, 37, 173-190.	3.5	63
12	Quality Assurance and Quality Control in the Analytical Chemical Laboratory. , 0, , .		59
13	The doseâ€dependent influence of zinc and cadmium contamination of soil on their uptake and glucosinolate content in white cabbage (Brassica oleracea var. capitata f. alba). Environmental Toxicology and Chemistry, 2012, 31, 2482-2489.	4.3	58
14	Complexing and Chelating Agents Immobilized on Silica Gel and Related Materials and Their Application for Sorption of Inorganic Species. Separation and Purification Reviews, 1994, 23, 77-348.	0.8	47
15	Quality Assurance and Quality Control in the Analytical Chemical Laboratory. , 0, , .		47
16	Development of Techniques of Generation of Gaseous Standard Mixtures. Critical Reviews in Analytical Chemistry, 2005, 35, 31-55.	3.5	37
17	Challenges and opportunities related to the use of sewage sludge ash in cement-based building materials â€“ A review. Journal of Cleaner Production, 2021, 287, 125054.	9.3	37
18	The influence of selenium addition during germination ofBrassicaseeds on health-promoting potential of sprouts. International Journal of Food Sciences and Nutrition, 2014, 65, 692-702.	2.8	36

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19	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
20	A mixture of cellulose production waste with municipal sewage as new material for an ecological management of wastes. Ecotoxicology and Environmental Safety, 2019, 169, 607-614.	6.0	35
21	Generation of standard gaseous mixtures by thermal decomposition of surface compounds. Journal of Chromatography A, 1991, 540, 449-455.	3.7	34
22	Biomagnification of mercury in trophic relation of Great Cormorant (Phalacrocorax carbo) and fish in the Vistula Lagoon, Poland. Environmental Monitoring and Assessment, 2011, 176, 439-449.	2.7	34
23	Microextraction Techniques Used in the Procedures for Determining Organomercury and Organotin Compounds in Environmental Samples. Molecules, 2014, 19, 7581-7609.	3.8	32
24	Organotin Compounds: Environmental Fate and Analytics. Critical Reviews in Analytical Chemistry, 2013, 43, 35-54.	3.5	30
25	Ultrasound-Assisted Extraction. , 2017, , 301-324.		29
26	Determination of tributyltin in marine sediment: Comitï¿½ Consultatif pour la Quantitï¿½ de Matïï¿½re (CCQM) pilot study P-18 international intercomparison. Analytical and Bioanalytical Chemistry, 2003, 376, 780-787.	3.7	28
27	Quality problems in determination of organic compounds in environmental samples, such as PAHs and PCBs. TrAC - Trends in Analytical Chemistry, 2010, 29, 706-717.	11.4	27
28	The Fate of BTEX Compounds in Ambient Air. Critical Reviews in Environmental Science and Technology, 2014, 44, 455-472.	12.8	26
29	Organic Acids and Polyphenols Determination in Polish Wines by Ultrasound-Assisted Solvent Extraction of Porous Membrane-Packed Liquid Samples. Molecules, 2019, 24, 4376.	3.8	26
30	Study of a method for the preparation of standard gas mixtures based on thermal decomposition of surface compounds. Application to isothiocyanates. Analytica Chimica Acta, 1992, 265, 127-132.	5.4	24
31	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. Journal of Chromatography A, 2001, 928, 99-108.	3.7	22
32	Calibration of the thermal desorption-gas chromatography-mass spectrometry system using standards generated in the process of thermal decomposition of chemically modified silica gel. Journal of Chromatography A, 1996, 742, 175-179.	3.7	21
33	Thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures containing ammonia and amines. Mikrochimica Acta, 1997, 127, 211-217.	5.0	21
34	Problems of PAH quantification by GCâ€“MS method using isotope-labelled standards. Talanta, 2009, 78, 730-735.	5.5	21
35	Determination of tributyltin (TBT) in marine sediment using pressurised liquid extractionâ€“gas chromatographyâ€“isotope dilution mass spectrometry (PLEâ€“GCâ€“IDMS) with a hexaneâ€“tropolone mixture. Analytical and Bioanalytical Chemistry, 2007, 388, 975-978.	3.7	19
36	Standard gas mixtures â€“ indispensable reference materials in the analysis of gaseous media. TrAC - Trends in Analytical Chemistry, 2010, 29, 419-429.	11.4	19

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37	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
38	Utilization of thermal decomposition of immobilized compounds for the generation of gaseous standard mixtures used in the calibration of gas analysers. Analyst, The, 1995, 120, 2041-2046.	3.5	18
39	Calibration in Metrological Approach. Analytical Letters, 2005, 38, 353-376.	1.8	18
40	Surface sediments pollution due to shipwreck s/s â€œStuttgartâ€• a multidisciplinary approach. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1797-1807.	4.0	17
41	Comparison of Two Methods for the Determination of Selected Pesticides in Honey and Honeybee Samples. Molecules, 2018, 23, 2582.	3.8	17
42	Methylmercury and total mercury content in soft tissues of two bird species wintering in the Baltic Sea near Gdansk, Poland. Chemosphere, 2019, 219, 140-147.	8.2	17
43	Thermal decomposition of surface compounds for the generation of small quantities of acetaldehyde. Analytica Chimica Acta, 2003, 488, 89-96.	5.4	16
44	Validation of a sampling procedure. TrAC - Trends in Analytical Chemistry, 2013, 51, 117-126.	11.4	16
45	Production of certified reference materials - homogeneity and stability study based on the determination of total mercury and methylmercury. Microchemical Journal, 2020, 153, 104338.	4.5	16
46	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
47	Determination of heavy metals in eyeshadows from China. Monatshefte FÃ¼r Chemie, 2019, 150, 1675-1680.	1.8	15
48	Characteristics, Chemical Modification Processes as well as the Application of Silica and its Modified Forms. Critical Reviews in Analytical Chemistry, 2009, 39, 60-69.	3.5	14
49	New developments in preparation and use of standard gas mixtures. TrAC - Trends in Analytical Chemistry, 2014, 62, 135-143.	11.4	14
50	Prospects for the Production, Research and Utilization of Reference Materials. Critical Reviews in Analytical Chemistry, 2009, 39, 311-322.	3.5	13
51	Analytical and legislative challenges of sewage sludge processing and management. Monatshefte FÃ¼r Chemie, 2018, 149, 1635-1645.	1.8	13
52	A method for the analysis of methylmercury and total Hg in fungal matrices. Applied Microbiology and Biotechnology, 2022, 106, 5261-5272.	3.6	13
53	A comparison of three solvent-free techniques coupled with gas chromatography for determining trihalomethanes in urine samples. Analytical and Bioanalytical Chemistry, 2007, 388, 691-698.	3.7	12
54	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

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55	Homogeneity study of candidate reference material (contaminated soil) based on determination of selected metals, PCBs and PAHs. Measurement: Journal of the International Measurement Confederation, 2018, 128, 1-12.	5.0	12
56	Analytical Procedure for the Determination of Chlorobenzenes in Sediments. Journal of Chromatographic Science, 2003, 41, 53-56.	1.4	11
57	Gaseous standard mixtures â€“ the challenge of obtaining small amounts of measurands. TrAC - Trends in Analytical Chemistry, 2004, 23, 450-458.	11.4	11
58	New procedure of silica gel surface modification. Journal of Chromatography A, 2004, 1033, 145-151.	3.7	11
59	Validation of the HS-GC-FID method for the determination of ethanol residue in tablets. Accreditation and Quality Assurance, 2007, 12, 257-262.	0.8	11
60	Mercury in Different Feather Types from Great Cormorants (Phalacrocorax carbo L.) Inhabiting the Vistula Lagoon Ecosystem in Poland. Bulletin of Environmental Contamination and Toxicology, 2012, 89, 841-844.	2.7	11
61	Mercury concentration and the absolute and relative sizes of the internal organs in cormorants Phalacrocorax carbo (L. 1758) from the breeding colony by the Vistula Lagoon (Poland). Ecotoxicology and Environmental Safety, 2018, 154, 118-126.	6.0	10
62	Total mercury and methylmercury (MeHg) in braised and crude Boletus edulis carpophores during various developmental stages. Environmental Science and Pollution Research, 2022, 29, 3107-3115.	5.3	10
63	Comprehensive stabilization of all streams of solid residues formed during sewage sludge thermal treatment â€“ Case study. Journal of Cleaner Production, 2018, 178, 757-767.	9.3	9
64	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. Journal of Separation Science, 2001, 24, 226-229.	2.5	8
65	Chemically Modified Glass Fiber as a Matrix-Free Reference Material for Volatile Compounds. Analytical Chemistry, 2005, 77, 3018-3020.	6.5	8
66	Application of micellar electrokinetic chromatography for detection of silver nanoparticles released from wound dressing. Electrophoresis, 2019, 40, 1565-1572.	2.4	8
67	A New Approach to Generation of Standard Gas Mixtures used in the Calibration of Gas Analysers. Environmental Technology (United Kingdom), 1999, 20, 1065-1073.	2.2	7
68	Development of potential candidate reference materials for drugs in bottom sediment, cod and herring tissues. Chemosphere, 2017, 169, 181-187.	8.2	7
69	Intercomparison on measurements of PCBs in pork fat during the Belgian PCB-crisis. Analytical and Bioanalytical Chemistry, 2002, 374, 305-313.	3.7	6
70	Determination of PCBs in river sediment samplesâ€”proficiency test for selected Polish laboratories. Accreditation and Quality Assurance, 2005, 10, 241-251.	0.8	6
71	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
72	Mineral Composition of Dietary Supplements-Analytical and Chemometric Approach. Nutrients, 2022, 14, 106.	4.1	6

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73	Effect of fluoride content in drinking water in Tricity on its concentration in urine of preâ€school children. Toxicological and Environmental Chemistry, 2000, 74, 125-130.	1.2	5
74	Determination of POPs in environmental matrices â€“ proficiency tests for Polish laboratories. Accreditation and Quality Assurance, 2006, 11, 584-589.	0.8	5
75	Metal-coated fused silica fibers as a support for immobilized compounds yielding a volatile analyte (C2H4). Analytical and Bioanalytical Chemistry, 2007, 388, 1725-1731.	3.7	5
76	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). International Journal of Mass Spectrometry, 2009, 286, 11-16.	1.5	3
77	Speciation of trace element compounds in samples of biota from marine ecosystems. Chemical Speciation and Bioavailability, 2011, 23, 125-142.	2.0	3
78	The importance and availability of marine certified reference materials. Critical Reviews in Environmental Science and Technology, 2022, 52, 3322-3373.	12.8	3
79	New matrix-free reference material for ethene in the form of optical fibres. Analytical and Bioanalytical Chemistry, 2013, 405, 1773-1778.	3.7	2
80	Mercury in Living Organisms: Sources and Forms of Occurrence, Bioaccumulation, and Determination Methods. , 2022, , 1033-1046.		1
81	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
82	Quantitative Assessment. Green Chemistry and Sustainable Technology, 2019, , 379-394.	0.7	0