

Jana Pulkrabova

List of Publications by Year in descending order

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90
papers

3,009
citations

117625

34
h-index

182427

51
g-index

93
all docs

93
docs citations

93
times ranked

3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Streamlining sample preparation and gas chromatography–tandem mass spectrometry analysis of multiple pesticide residues in tea. <i>Analytica Chimica Acta</i> , 2012, 743, 51-60.	5.4	139
2	Pressurized liquid extraction in determination of polychlorinated biphenyls and organochlorine pesticides in fish samples. <i>Analytica Chimica Acta</i> , 2004, 520, 193-200.	5.4	116
3	Simple, high throughput ultra-high performance liquid chromatography/tandem mass spectrometry trace analysis of perfluorinated alkylated substances in food of animal origin: Milk and fish. <i>Journal of Chromatography A</i> , 2011, 1218, 4312-4321.	3.7	98
4	The determination of perfluoroalkyl substances, brominated flame retardants and their metabolites in human breast milk and infant formula. <i>Talanta</i> , 2013, 117, 318-325.	5.5	94
5	Simplified and rapid determination of polychlorinated biphenyls, polybrominated diphenyl ethers, and polycyclic aromatic hydrocarbons in fish and shrimps integrated into a single method. <i>Analytica Chimica Acta</i> , 2011, 707, 84-91.	5.4	92
6	Occurrence of brominated flame retardants in household and car dust from the Czech Republic. <i>Science of the Total Environment</i> , 2012, 441, 182-193.	8.0	91
7	Aerobic biodegradation of selected polybrominated diphenyl ethers (PBDEs) in wastewater sewage sludge. <i>Chemosphere</i> , 2015, 118, 315-321.	8.2	81
8	Absorption and translocation of polybrominated diphenyl ethers (PBDEs) by plants from contaminated sewage sludge. <i>Chemosphere</i> , 2010, 81, 381-386.	8.2	76
9	Rapid determination of polycyclic aromatic hydrocarbons (PAHs) in tea using two-dimensional gas chromatography coupled with time of flight mass spectrometry. <i>Talanta</i> , 2012, 100, 207-216.	5.5	76
10	Perfluorinated alkylated substances in vegetables collected in four European countries; occurrence and human exposure estimations. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7930-7939.	5.3	76
11	Occurrence of perfluoroalkyl substances (PFASs) in various food items of animal origin collected in four European countries. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 1918-1932.	2.3	71
12	Polybrominated diphenyl ethers (PBDEs) contents in house and car dust of Portugal by pressurized liquid extraction (PLE) and gas chromatography–mass spectrometry (GC–MS). <i>Chemosphere</i> , 2010, 78, 1263-1271.	8.2	67
13	Critical assessment of recent trends related to screening and confirmatory analytical methods for selected food contaminants and allergens. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 121, 115688.	11.4	66
14	Brominated flame retardants and related chlorinated persistent organic pollutants in fish from river Elbe and its main tributary Vltava. <i>Chemosphere</i> , 2007, 69, 1195-1203.	8.2	64
15	Impact of air pollution on oxidative DNA damage and lipid peroxidation in mothers and their newborns. <i>International Journal of Hygiene and Environmental Health</i> , 2016, 219, 545-556.	4.3	63
16	Gas chromatography–triple quadrupole tandem mass spectrometry: a powerful tool for the (ultra)trace analysis of multiclass environmental contaminants in fish and fish feed. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7803-7815.	3.7	60
17	A novel approach to assess the quality and authenticity of Scotch Whisky based on gas chromatography coupled to high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1042, 60-70.	5.4	59
18	Fish as Biomonitors of Polybrominated Diphenyl Ethers and Hexabromocyclododecane in Czech Aquatic Ecosystems: Pollution of the Elbe River Basin. <i>Environmental Health Perspectives</i> , 2007, 115, 28-34.	6.0	58

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19	Effects of pollution on chub in the River Elbe, Czech Republic. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 737-746.	6.0	55
20	Evaluation of 11 polycyclic aromatic hydrocarbon metabolites in urine of Czech mothers and newborns. <i>Science of the Total Environment</i> , 2017, 577, 212-219.	8.0	52
21	Brominated flame retardants and other organochlorine pollutants in human adipose tissue samples from the Czech Republic. <i>Environment International</i> , 2009, 35, 63-68.	10.0	51
22	High throughput sample preparation in combination with gas chromatography coupled to triple quadrupole tandem mass spectrometry (GC-MS/MS): A smart procedure for (ultra)trace analysis of brominated flame retardants in fish. <i>Talanta</i> , 2013, 105, 109-116.	5.5	50
23	Relationship between atmospheric pollution in the residential area and concentrations of polycyclic aromatic hydrocarbons (PAHs) in human breast milk. <i>Science of the Total Environment</i> , 2016, 562, 640-647.	8.0	50
24	Occurrence of brominated flame retardants and perfluoroalkyl substances in fish from the Czech aquatic ecosystem. <i>Science of the Total Environment</i> , 2013, 461-462, 88-98.	8.0	44
25	Dynamics of brominated flame retardants removal in contaminated wastewater sewage sludge under anaerobic conditions. <i>Science of the Total Environment</i> , 2015, 533, 439-445.	8.0	44
26	Novel approaches to the analysis of steroid estrogens in river sediments. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1351-1363.	3.7	43
27	Application of solid phase extraction and two-dimensional gas chromatography coupled with time-of-flight mass spectrometry for fast analysis of polycyclic aromatic hydrocarbons in vegetable oils. <i>Food Control</i> , 2013, 33, 489-497.	5.5	43
28	Perfluoroalkyl substances (PFASs) and other halogenated compounds in fish from the upper Labe River basin. <i>Chemosphere</i> , 2015, 129, 170-178.	8.2	39
29	Multi-analyte method for the analysis of various organohalogen compounds in house dust. <i>Analytica Chimica Acta</i> , 2015, 854, 61-69.	5.4	39
30	A novel strategy for the determination of polycyclic aromatic hydrocarbon monohydroxylated metabolites in urine using ultra-high-performance liquid chromatography with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2515-2525.	3.7	39
31	Perfluorinated alkylated substances and brominated flame retardants in serum of the Czech adult population. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 235-243.	4.3	39
32	Estimation of human exposure to polycyclic aromatic hydrocarbons (PAHs) based on the dietary and outdoor atmospheric monitoring in the Czech Republic. <i>Environmental Research</i> , 2020, 182, 108977.	7.5	39
33	Occurrence of perfluorinated alkylated substances in cereals, salt, sweets and fruit items collected in four European countries. <i>Chemosphere</i> , 2015, 129, 179-185.	8.2	38
34	Evaluating environmental impact of STPs situated on streams in the Czech Republic: An integrated approach to biomonitoring the aquatic environment. <i>Water Research</i> , 2011, 45, 1403-1413.	11.3	35
35	Color encoded microbeads-based flow cytometric immunoassay for polycyclic aromatic hydrocarbons in food. <i>Analytica Chimica Acta</i> , 2010, 672, 9-14.	5.4	34
36	Linking toxicity profiles to pollutants in sludge and sediments. <i>Journal of Hazardous Materials</i> , 2017, 321, 672-680.	12.4	34

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37	Food fraud in oregano: Pesticide residues as adulteration markers. <i>Food Chemistry</i> , 2019, 276, 726-734.	8.2	34
38	Implementation of comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry for the simultaneous determination of halogenated contaminants and polycyclic aromatic hydrocarbons in fish. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2813-2824.	3.7	33
39	Biomonitoring of PFOA, PFOS and PFNA in human milk from Czech Republic, time trends and estimation of infant's daily intake. <i>Environmental Research</i> , 2020, 188, 109763.	7.5	33
40	Screening of Carbamate and Organophosphate Pesticides in Food Matrices Using an Affordable and Simple Spectrophotometric Acetylcholinesterase Assay. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 565.	2.5	33
41	Biochemical Markers for Assessing Aquatic Contamination. <i>Sensors</i> , 2007, 7, 2599-2611.	3.8	32
42	A microfluidic paper-based analytical device (µPAD) with smartphone readout for chlorpyrifos-oxon screening in human serum. <i>Talanta</i> , 2021, 222, 121535.	5.5	31
43	Pesticide Residues and Their Metabolites in Grapes and Wines from Conventional and Organic Farming System. <i>Foods</i> , 2021, 10, 307.	4.3	30
44	Rapid and simple method for determination of hexabromocyclododecanes and other LC–MS–MS-amenable brominated flame retardants in fish. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7829-7839.	3.7	28
45	Optical Screening Methods for Pesticide Residue Detection in Food Matrices: Advances and Emerging Analytical Trends. <i>Foods</i> , 2021, 10, 88.	4.3	28
46	Green tea: Authentication of geographic origin based on UHPLC-HRMS fingerprints. <i>Journal of Food Composition and Analysis</i> , 2019, 78, 121-128.	3.9	27
47	Perfluorinated compounds: occurrence of emerging food contaminants in canned fish and seafood products. <i>Czech Journal of Food Sciences</i> , 2010, 28, 333-342.	1.2	25
48	Comparison of polycyclic aromatic hydrocarbon metabolite concentrations in urine of mothers and their newborns. <i>Science of the Total Environment</i> , 2020, 723, 138116.	8.0	22
49	Brominated flame retardants and perfluoroalkyl substances in sediments from the Czech aquatic ecosystem. <i>Science of the Total Environment</i> , 2014, 470-471, 407-416.	8.0	21
50	Integration of five groups of POPs into one multi-analyte method for human blood serum analysis: An innovative approach within biomonitoring studies. <i>Science of the Total Environment</i> , 2019, 667, 701-709.	8.0	21
51	Multiclass analytical method for the determination of natural/synthetic steroid hormones, phytoestrogens, and mycoestrogens in milk and yogurt. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4467-4477.	3.7	20
52	Chub (<i>Leuciscus cephalus</i>) as a Bioindicator of Contamination of the Vltava River by Synthetic Musk Fragrances. <i>Archives of Environmental Contamination and Toxicology</i> , 2007, 53, 390-396.	4.1	19
53	Occurrence of Halogenated Contaminants in Fish from Selected River Localities and Ponds in the Czech Republic. <i>Archives of Environmental Contamination and Toxicology</i> , 2012, 62, 85-96.	4.1	18
54	A Hybrid Lab-on-a-Chip Injector System for Autonomous Carbofuran Screening. <i>Sensors</i> , 2019, 19, 5579.	3.8	18

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55	Multiplex Screening of Persistent Organic Pollutants in Fish Using Spectrally Encoded Microspheres. <i>Analytical Chemistry</i> , 2011, 83, 8696-8702.	6.5	17
56	Urinary metabolites of phthalates and di-iso-nonyl cyclohexane-1,2-dicarboxylate (DINCH) as 'Czech mothers' and newborns' exposure biomarkers. <i>Environmental Research</i> , 2019, 173, 342-348.	7.5	17
57	Selected persistent organic pollutants (POPs) in the rhizosphere of sewage sludge-treated soil: implications for the biodegradability of POPs. <i>Archives of Agronomy and Soil Science</i> , 2019, 65, 994-1009.	2.6	17
58	Biomarkers Detected in Chub (<i>Leuciscus cephalus</i> L.) to Evaluate Contamination of the Elbe and Vltava Rivers, Czech Republic. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 76, 233-241.	2.7	16
59	Organic Pollutants in Areas Impacted by Flooding in 2002: A 4-Year Survey. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 81, 299-304.	2.7	15
60	Determinants of prenatal exposure to perfluoroalkyl substances in the Slovak birth cohort. <i>Environment International</i> , 2018, 121, 1304-1310.	10.0	15
61	Short- and medium-chain chlorinated paraffins in human blood serum of Czech population. <i>Science of the Total Environment</i> , 2021, 797, 149126.	8.0	15
62	Biomonitoring of 89 POPs in blood serum samples of Czech city policemen. <i>Environmental Pollution</i> , 2021, 291, 118140.	7.5	15
63	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) in Seafood Using Gas Chromatography-Mass Spectrometry: Collaborative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 477-505.	1.5	14
64	Lorazepam photofate under photolysis and TiO ₂ -assisted photocatalysis: Identification and evolution profiles of by-products formed during phototreatment of a WWTP effluent. <i>Water Research</i> , 2013, 47, 5584-5593.	11.3	13
65	Interlaboratory comparison investigations (ICIs) and external quality assurance schemes (EQUASs) for flame retardant analysis in biological matrices: Results from the HBM4EU project. <i>Environmental Research</i> , 2021, 202, 111705.	7.5	13
66	Metabolomics-based authentication of wines according to grape variety. <i>Czech Journal of Food Sciences</i> , 2019, 37, 239-245.	1.2	12
67	Occurrence of selected perfluorinated alkyl acids in lunch meals served at school canteens in Italy and their relevance for children's intake. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 1590-1597.	2.3	11
68	Is the long-term application of sewage sludge turning soil into a sink for organic pollutants?: evidence from field studies in the Czech Republic. <i>Journal of Soils and Sediments</i> , 2019, 19, 2445-2458.	3.0	10
69	Authentication of Meat and Meat Products Using Triacylglycerols Profiling and by DNA Analysis. <i>Foods</i> , 2020, 9, 1269.	4.3	10
70	The occurrence of perfluoroalkyl substances (PFAS) in drinking water in the Czech Republic: a pilot study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 60341-60353.	5.3	10
71	Regulated and Non-Regulated Mycotoxin Detection in Cereal Matrices Using an Ultra-High-Performance Liquid Chromatography High-Resolution Mass Spectrometry (UHPLC-HRMS) Method. <i>Toxins</i> , 2021, 13, 783.	3.4	9
72	Leeches as Sensor-bioindicators of River Contamination by PCBs. <i>Sensors</i> , 2009, 9, 1807-1820.	3.8	8

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73	Field performance of the Chemcatcher passive sampler for monitoring hydrophobic organic pollutants in surface water. <i>Journal of Environmental Monitoring</i> , 2010, 12, 863.	2.1	8
74	Application of the GC-HRMS based method for monitoring of short- and medium-chain chlorinated paraffins in vegetable oils and fish. <i>Food Chemistry</i> , 2021, 355, 129640.	8.2	8
75	Can Occurrence of Pesticide Metabolites Detected in Crops Provide the Evidence on Illegal Practices in Organic Farming?. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6102-6115.	5.2	7
76	The response of soil nematode <i>Caenorhabditis elegans</i> on the sewage sludge-derived micropollutants. <i>Journal of Hazardous Materials</i> , 2020, 384, 121468.	12.4	7
77	Impact of Air Pollution to Genome of Newborns. <i>Central European Journal of Public Health</i> , 2016, 24, S40-S44.	1.1	7
78	Critical Assessment of Clean-Up Techniques Employed in Simultaneous Analysis of Persistent Organic Pollutants and Polycyclic Aromatic Hydrocarbons in Fatty Samples. <i>Toxics</i> , 2022, 10, 12.	3.7	6
79	Are fish oil-based dietary supplements a significant source of exposure to chlorinated paraffins?. <i>Science of the Total Environment</i> , 2022, 833, 155137.	8.0	6
80	Novel approaches to determination of PAHs and halogenated POPs in canned fish. <i>Czech Journal of Food Sciences</i> , 2011, 29, 498-507.	1.2	5
81	Effect of Polycyclic Aromatic Hydrocarbons Exposure on Cognitive Development in 5 Years Old Children. <i>Brain Sciences</i> , 2020, 10, 619.	2.3	5
82	Polycyclic aromatic hydrocarbons and halogenated persistent organic pollutants in canned fish and seafood products: smoked versus non-smoked products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 515-527.	2.3	4
83	Concentrations of Phthalate and DINCH Metabolites in Urine Samples from Czech Mothers and Newborns. <i>Exposure and Health</i> , 2022, 14, 17-27.	4.9	4
84	Oxidative Stress and Antioxidant Response in Populations of the Czech Republic Exposed to Various Levels of Environmental Pollutants. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3609.	2.6	4
85	Application potential of microextraction in packed syringe coupled with gas chromatography time-of-flight mass spectrometry in analysis of brominated flame retardants in waste water. Part 2. <i>Journal of Analytical Chemistry</i> , 2010, 65, 1545-1548.	0.9	3
86	Evaluation of the Burdening on the Czech Population by Brominated Flame Retardants. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4105.	2.6	3
87	A fast and simple procedure for determination of perfluoroalkyl substances in food and feed: a method verification by an interlaboratory study. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7817-7827.	3.7	2
88	Impact of air pollution to genome of newborns. <i>ISEE Conference Abstracts</i> , 2016, 2016, .	0.0	2
89	Oxidative stress in newborns by different modes of delivery. <i>Neuroendocrinology Letters</i> , 2016, 37, 445-451.	0.2	1
90	PBDEs bioremediation by microorganisms in wastewater sludges and sediments and monitoring of the toxicity. <i>Journal of Biotechnology</i> , 2007, 131, S246-S247.	3.8	0