

# Pavel AČEupr

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,150  
citations

218677

26  
h-index

233421

45  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the Influence of Meteorological Parameters on the Performance of Polyurethane Foam-Based Passive Air Samplers. <i>Environmental Science &amp; Technology</i> , 2008, 42, 550-555.	10.0	175
2	An Assessment of Air-Soil Exchange of Polychlorinated Biphenyls and Organochlorine Pesticides Across Central and Southern Europe. <i>Environmental Science &amp; Technology</i> , 2008, 42, 179-185.	10.0	133
3	Environment and human exposure to persistent organic pollutants (POPs) in India: A systematic review of recent and historical data. <i>Environment International</i> , 2014, 66, 48-64.	10.0	121
4	Soil burdens of persistent organic pollutants – Their levels, fate and risk. Part I. Variation of concentration ranges according to different soil uses and locations. <i>Environmental Pollution</i> , 2009, 157, 3207-3217.	7.5	108
5	Redistribution of organic pollutants in river sediments and alluvial soils related to major floods. <i>Journal of Soils and Sediments</i> , 2007, 7, 167-177.	3.0	100
6	Mobility, bioavailability, and toxic effects of cadmium in soil samples. <i>Environmental Research</i> , 2003, 91, 119-126.	7.5	92
7	Uptake of polychlorinated biphenyls and organochlorine pesticides from soil and air into radishes ( <i>Raphanus sativus</i> ). <i>Environmental Pollution</i> , 2009, 157, 488-496.	7.5	90
8	Monitoring of persistent organic pollutants in Africa. Part 1: Passive air sampling across the continent in 2008. <i>Journal of Environmental Monitoring</i> , 2009, 11, 1952.	2.1	85
9	Particle Size Distribution of Halogenated Flame Retardants and Implications for Atmospheric Deposition and Transport. <i>Environmental Science &amp; Technology</i> , 2014, 48, 14426-14434.	10.0	71
10	Pesticides in the atmosphere: a comparison of gas-particle partitioning and particle size distribution of legacy and current-use pesticides. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1531-1544.	4.9	67
11	Can pine needles indicate trends in the air pollution levels at remote sites?. <i>Environmental Pollution</i> , 2009, 157, 3248-3254.	7.5	65
12	Size specific distribution of the atmospheric particulate PCDD/Fs, dl-PCBs and PAHs on a seasonal scale: Implications for cancer risks from inhalation. <i>Atmospheric Environment</i> , 2014, 98, 410-416.	4.1	55
13	Soil Burdens of Persistent Organic Pollutants: Their Levels, Fate, and Risks. Part IV. Quantification of Volatilization Fluxes of Organochlorine Pesticides and Polychlorinated Biphenyls from Contaminated Soil Surfaces. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3588-3595.	10.0	52
14	Photochemical activity of organic compounds in ice induced by sunlight irradiation: The Svalbard project. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	50
15	Evaluation of genotoxic and non-genotoxic effects of organic air pollution using in vitro bioassays. <i>Environment International</i> , 2007, 33, 859-866.	10.0	49
16	Levels of persistent organic pollutants and polycyclic aromatic hydrocarbons in ambient air of Central and Eastern Europe. <i>Atmospheric Pollution Research</i> , 2012, 3, 494-505.	3.8	45
17	Evaluation and guidelines for using polyurethane foam (PUF) passive air samplers in double-dome chambers to assess semi-volatile organic compounds (SVOCs) in non-industrial indoor environments. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 2617-2626.	3.5	44
18	Mineralogical, chemical and toxicological characterization of urban air particles. <i>Environment International</i> , 2013, 54, 26-34.	10.0	43

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19	Which compounds contribute most to elevated airborne exposure and corresponding health risks in the Western Balkans?. <i>Environment International</i> , 2009, 35, 1066-1071.	10.0	40
20	Different DNA damage response of cis and trans isomers of commonly used UV filter after the exposure on adult human liver stem cells and human lymphoblastoid cells. <i>Science of the Total Environment</i> , 2017, 593-594, 18-26.	8.0	38
21	Pine needles and pollen grains of <i>Pinus mugo</i> Turra â€“ A biomonitoring tool in high mountain habitats identifying environmental contamination. <i>Ecological Indicators</i> , 2016, 66, 132-142.	6.3	37
22	A combined approach to the evaluation of organic air pollution â€”A case study of urban air in Sarajevo and Tuzla(Bosnia and Herzegovina). <i>Science of the Total Environment</i> , 2007, 384, 182-193.	8.0	36
23	Composition and effects of inhalable size fractions of atmospheric aerosols in the polluted atmosphere. Part II. In vitro biological potencies. <i>Environment International</i> , 2014, 63, 64-70.	10.0	34
24	Seasonality and indoor/outdoor relationships of flame retardants and PCBs in residential air. <i>Environmental Pollution</i> , 2016, 218, 392-401.	7.5	34
25	Passive air sampler as a tool for long-term air pollution monitoring: Part 2. Air genotoxic potency screening assessment. <i>Environmental Pollution</i> , 2006, 144, 406-413.	7.5	30
26	Distribution pattern of PCBs, HCB and PeCB using passive air and soil sampling in Estonia. <i>Environmental Science and Pollution Research</i> , 2010, 17, 740-749.	5.3	30
27	Chemometric assessment of the semivolatile organic contaminants content in the atmosphere of the selected sites in the Republic of Macedonia. <i>Journal of Chemometrics</i> , 2011, 25, 262-274.	1.3	26
28	Fifteen years of monitoring of POPs in the breast milk, Czech Republic, 1994â€”2009: trends and factors. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1936-1943.	5.3	26
29	Seasonally and regionally determined indication potential of bioassays in contaminated river sediments. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 522-534.	4.3	24
30	Long-term time trends in human intake of POPs in the Czech Republic indicate a need for continuous monitoring. <i>Environment International</i> , 2017, 108, 1-10.	10.0	24
31	Composition and effects of inhalable size fractions of atmospheric aerosols in the polluted atmosphere: Part I. PAHs, PCBs and OCPs and the matrix chemical composition. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6188-6204.	5.3	23
32	Obsolete pesticide storage sites and their POP release into the environmentâ€”an Armenian case study. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1944-1952.	5.3	22
33	Pine Needles for the Screening of Perfluorinated Alkylated Substances (PFASs) along Ski Tracks. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9487-9496.	10.0	21
34	GFP assay as a sensitive eukaryotic screening model to detect toxic and genotoxic activity of azaarenes. <i>Environmental Toxicology</i> , 2006, 21, 343-348.	4.0	19
35	Bulk atmospheric deposition of persistent organic pollutants and polycyclic aromatic hydrocarbons in Central Europe. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23429-23441.	5.3	18
36	Are the residents of former Yugoslavia still exposed to elevated PCB levels due to the Balkan wars? Part 2: Passive air sampling network. <i>Environment International</i> , 2007, 33, 727-735.	10.0	17

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37	Gasâ€‘particle partitioning of persistent organic pollutants in the Western Balkan countries affected by war conflicts. <i>Environmental Science and Pollution Research</i> , 2009, 16, 65-72.	5.3	17
38	New experimental data on the human dermal absorption of Simazine and Carbendazim help to refine the assessment of human exposure. <i>Chemosphere</i> , 2016, 145, 148-156.	8.2	16
39	Bioavailability and mobility of organic contaminants in soil: new three-step ecotoxicological evaluation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4312-4319.	5.3	16
40	Current implications of past DDT indoor spraying in Oman. <i>Science of the Total Environment</i> , 2016, 550, 231-240.	8.0	16
41	New probabilistic risk assessment of ethylhexyl methoxycinnamate: Comparing the genotoxic effects of <i>trans</i> - and <i>cis</i> -EHMC. <i>Environmental Toxicology</i> , 2017, 32, 569-580.	4.0	15
42	Dynamics of PCB exposure in the past 50â€‘years and recent high concentrations in human breast milk: Analysis of influencing factors using a physiologically based pharmacokinetic model. <i>Science of the Total Environment</i> , 2019, 690, 388-399.	8.0	15
43	Soil burdens of persistent organic pollutants â€‘ Their levels, fate and risks. <i>Science of the Total Environment</i> , 2010, 408, 486-494.	8.0	14
44	Genotoxic activity of a technical toxaphene mixture and its photodegradation products in SOS genotoxicity tests. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 565, 113-120.	1.7	12
45	Sources and Distributions of Polycyclic Aromatic Hydrocarbons and Toxicity of Polluted Atmosphere Aerosols. <i>Environmental Science and Engineering</i> , 2010, , 39-62.	0.2	12
46	Comparison of approaches towards ecotoxicity evaluation for the application of dredged sediment on soil. <i>Journal of Soils and Sediments</i> , 2013, 13, 906-915.	3.0	11
47	Assessment of Human Health Risk due to Inhalation Exposure in Cattle and Pig Farms in South Moravia. <i>Acta Veterinaria Brno</i> , 2005, 74, 305-312.	0.5	10
48	Parental heights and maternal education as predictors of length/height of children at birth, age 3 and 19 years, independently on diet: the ELSPAC study. <i>European Journal of Clinical Nutrition</i> , 2017, 71, 1193-1199.	2.9	9
49	Investigation of cis-trans isomer dependent dermatotoxicokinetics of UV filter ethylhexyl methoxycinnamate through stratum corneum in vivo. <i>Environmental Science and Pollution Research</i> , 2017, 24, 25061-25070.	5.3	9
50	Dispersion modeling of selected PAHs in urban air: A new approach combining dispersion model with GIS and passive air sampling. <i>Atmospheric Environment</i> , 2014, 96, 88-95.	4.1	8
51	Which Compounds Contribute Most to Elevated Soil Pollution and the Corresponding Health Risks in Floodplains in the Headwater Areas of the Central European Watershed?. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1146.	2.6	6
52	An experimentally refined tool to assess the risks of the human dermal exposure to herbicide chlorotoluron. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10713-10720.	5.3	4
53	Towards improved comparability of studies addressing atmospheric concentrations of semivolatile organic compounds based on their sequestration in pine needles. <i>Chemosphere</i> , 2017, 185, 47-55.	8.2	4
54	Atmospheric deposition of chlorinated and brominated polycyclic aromatic hydrocarbons in central Europe analyzed by GC-MS/MS. <i>Environmental Science and Pollution Research</i> , 2021, 28, 61360-61368.	5.3	3

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55	Toxicity to bronchial cells and endocrine disruptive potentials of indoor air and dust extracts and their association with multiple chemical classes. <i>Journal of Hazardous Materials</i> , 2022, 424, 127306.	12.4	3
56	A novel screening method to identify air pollution by genotoxic compounds. <i>Environmental Pollution</i> , 2018, 234, 473-479.	7.5	2
57	Isomers of photo-unstable compounds should be evaluated as the individual substances due to their potential different exposure effects. <i>Science of the Total Environment</i> , 2019, 657, 902-903.	8.0	2
58	Web portal for management of bioindication methods and ecotoxicological tests in ecological risk assessment. <i>Ecotoxicology</i> , 2006, 15, 623-627.	2.4	1
59	Genotoxic effects of transboundary pollutants in <i>Pinus mugo</i> in the high mountain habitats. <i>Ecological Indicators</i> , 2022, 140, 109009.	6.3	1
60	The Effects of Sediments Burdened by Sewerage Water Originating in Car Batteries Production in the Klenice River (CZ). <i>Acta Veterinaria Brno</i> , 2009, 78, 535-548.	0.5	0