

Wioletta Rogula-Kozłowska

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

1,870
citations

279487

23
h-index

301761

39
g-index

96
all docs

96
docs citations

96
times ranked

1637
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and seasonal variability of the mass concentration and chemical composition of PM _{2.5} in Poland. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 41-58.	1.5	141
2	Characterization of PM ₁₀ and PM _{2.5} and associated heavy metals at the crossroads and urban background site in Zabrze, Upper Silesia, Poland, during the smog episodes. <i>Environmental Monitoring and Assessment</i> , 2010, 168, 613-627.	1.3	111
3	Polycyclic aromatic hydrocarbons bound to outdoor and indoor airborne particles (PM _{2.5}) and their mutagenicity and carcinogenicity in Silesian kindergartens, Poland. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 389-400.	1.5	83
4	A Study on the Seasonal Mass Closure of Ambient Fine and Coarse Dusts in Zabrze, Poland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 722-729.	1.3	69
5	Size-segregated urban particulate matter: mass closure, chemical composition, and primary and secondary matter content. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 533-550.	1.5	68
6	Implications of the aerosol size distribution modal structure of trace and major elements on human exposure, inhaled dose and relevance to the PM _{2.5} and PM ₁₀ metrics in a European pollution hotspot urban area. <i>Journal of Aerosol Science</i> , 2017, 103, 38-52.	1.8	67
7	Concentration, Origin and Health Hazard from Fine Particle-Bound PAH at Three Characteristic Sites in Southern Poland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 91, 349-355.	1.3	65
8	Particulate Matter from the Road Surface Abrasion as a Problem of Non-Exhaust Emission Control. <i>Environments - MDPI</i> , 2018, 5, 9.	1.5	64
9	PM _{2.5} in the central part of Upper Silesia, Poland: concentrations, elemental composition, and mobility of components. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 581-601.	1.3	62
10	The size distribution and origin of elements bound to ambient particles: a case study of a Polish urban area. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 240.	1.3	57
11	Indoor air quality in urban and rural kindergartens: short-term studies in Silesia, Poland. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1207-1220.	1.5	56
12	Hazardous Compounds in Urban Pm in the Central Part of Upper Silesia (Poland) in Winter. <i>Archives of Environmental Protection</i> , 2013, 39, 53-65.	1.1	55
13	Mass Size Distribution and Chemical Composition of the Surface Layer of Summer and Winter Airborne Particles in Zabrze, Poland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 255-259.	1.3	52
14	Concentration, Chemical Composition and Origin of PM ₁ : Results from the First Long-term Measurement Campaign in Warsaw (Poland). <i>Aerosol and Air Quality Research</i> , 2018, 18, 636-654.	0.9	44
15	The elemental composition and origin of fine ambient particles in the largest Polish conurbation: first results from the short-term winter campaign. <i>Theoretical and Applied Climatology</i> , 2016, 125, 79-92.	1.3	37
16	Cancer risk from arsenic and chromium species bound to PM _{2.5} and PM ₁ – Polish case study. <i>Atmospheric Pollution Research</i> , 2016, 7, 884-894.	1.8	36
17	Submicrometer Aerosol in Rural and Urban Backgrounds in Southern Poland: Primary and Secondary Components of PM ₁ . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2013, 90, 103-109.	1.3	35
18	The Impact of Selected Parameters on Visibility: First Results from a Long-Term Campaign in Warsaw, Poland. <i>Atmosphere</i> , 2015, 6, 1154-1174.	1.0	34

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19	Contribution of landfill fires to air pollution – An assessment methodology. <i>Waste Management</i> , 2021, 125, 182-191.	3.7	30
20	Traffic-Generated Changes in the Chemical Characteristics of Size-Segregated Urban Aerosols. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 93, 493-502.	1.3	29
21	Seasonal Variations in Health Hazards from Polycyclic Aromatic Hydrocarbons Bound to Submicrometer Particles at Three Characteristic Sites in the Heavily Polluted Polish Region. <i>Atmosphere</i> , 2015, 6, 1-20.	1.0	25
22	Air pollution of beauty salons by cosmetics from the analysis of suspended particulate matter. <i>Environmental Chemistry Letters</i> , 2019, 17, 551-558.	8.3	24
23	Submicron particle-bound polycyclic aromatic hydrocarbons in the Polish teaching rooms: Concentrations, origin and health hazard. <i>Journal of Environmental Sciences</i> , 2018, 64, 235-244.	3.2	23
24	Analysis of Particulate Matter Concentration Variability and Origin in Selected Urban Areas in Poland. <i>Sustainability</i> , 2019, 11, 5735.	1.6	23
25	Determination of mercury in size-segregated ambient particulate matter using CVAAS. <i>Microchemical Journal</i> , 2016, 124, 76-81.	2.3	22
26	Health Risk Impacts of Exposure to Airborne Metals and Benzo(a)Pyrene during Episodes of High PM10 Concentrations in Poland. <i>Biomedical and Environmental Sciences</i> , 2018, 31, 23-36.	0.2	22
27	Origin-Oriented Elemental Profile of Fine Ambient Particulate Matter in Central European Suburban Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 715.	1.2	21
28	Indoor air quality in sports center: Assessment of gaseous pollutants. <i>Building and Environment</i> , 2022, 208, 108589.	3.0	21
29	Lung Cancer Risk Associated with Exposure to Benzo(A)Pyrene in Polish Agglomerations, Cities, and Other Areas. <i>International Journal of Environmental Research</i> , 2017, 11, 685-693.	1.1	20
30	Number Size Distribution of Ambient Particles in a Typical Urban Site: The First Polish Assessment Based on Long-Term (9 Months) Measurements. <i>Scientific World Journal</i> , The, 2013, 2013, 1-13.	0.8	19
31	Magnetic susceptibility of spider webs as a proxy of airborne metal pollution. <i>Environmental Pollution</i> , 2018, 234, 543-551.	3.7	19
32	Chemical Compositions of PM2.5 at Two Non-Urban Sites from the Polluted Region in Europe. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2333-2348.	0.9	17
33	A Preliminary Attempt at the Identification and Financial Estimation of the Negative Health Effects of Urban and Industrial Air Pollution Based on the Agglomeration of Gdańsk. <i>Sustainability</i> , 2020, 12, 42.	1.6	16
34	Submicron Particle-Bound Mercury in University Teaching Rooms: A Summer Study from Two Polish Cities. <i>Atmosphere</i> , 2016, 7, 117.	1.0	15
35	Mutagenicity of indoor air pollutants adsorbed on spider webs. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 549-557.	2.9	15
36	Respirable particles and polycyclic aromatic hydrocarbons at two Polish fire stations. <i>Building and Environment</i> , 2020, 184, 107255.	3.0	15

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37	Particulate Matter in the Air of the Underground Chamber Complex of the Wieliczka Salt Mine Health Resort. <i>Advances in Experimental Medicine and Biology</i> , 2016, 955, 9-18.	0.8	14
38	Inhalation Exposure to PM-Bound Polycyclic Aromatic Hydrocarbons Released from Barbecue Grills Powered by Gas, Lump Charcoal, and Charcoal Briquettes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1023, 11-27.	0.8	14
39	The application of stand-off infrared detection to identify air pollutants. <i>E3S Web of Conferences</i> , 2018, 44, 00104.	0.2	14
40	Monitoring of indoor polycyclic aromatic hydrocarbons using spider webs. <i>Chemosphere</i> , 2019, 218, 758-766.	4.2	14
41	Selected Metals in Urban Road Dust: Upper and Lower Silesia Case Study. <i>Atmosphere</i> , 2020, 11, 290.	1.0	14
42	Seasonal variations of PM1-bound water concentration in urban areas in Poland. <i>Atmospheric Pollution Research</i> , 2019, 10, 267-273.	1.8	13
43	Health exposure of users of indoor sports centers related to the physico-chemical properties of particulate matter. <i>Building and Environment</i> , 2020, 180, 106935.	3.0	13
44	Size-Resolved Water-Soluble Ionic Composition of Ambient Particles in an Urban Area in Southern Poland. <i>Journal of Environmental Protection</i> , 2013, 04, 371-379.	0.3	13
45	Co-occurrence of PM2.5-bound mercury and carbon in rural areas affected by coal combustion. <i>Atmospheric Pollution Research</i> , 2017, 8, 127-135.	1.8	12
46	Traffic emission effects on ambient air pollution by PM2.5-related PAH in Upper Silesia, Poland. <i>International Journal of Environment and Pollution</i> , 2013, 53, 245.	0.2	11
47	Size-Segregated Particulate Matter in a Selected Sports Facility in Poland. <i>Sustainability</i> , 2019, 11, 6911.	1.6	11
48	Air Pollution Research Based on Spider Web and Parallel Continuous Particulate Monitoring – A Comparison Study Coupled with Identification of Sources. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 812.	0.8	10
49	Urban environment as a factor modulating metals deposition in the respiratory track and associated cancer risk. <i>Atmospheric Pollution Research</i> , 2018, 9, 399-410.	1.8	9
50	PM Origin or Exposure Duration? Health Hazards from PM-Bound Mercury and PM-Bound PAHs among Students and Lecturers. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 316.	1.2	9
51	Are BBQs Significantly Polluting Air in Poland? A Simple Comparison of Barbecues vs. Domestic Stoves and Boilers Emissions. <i>Energies</i> , 2020, 13, 6245.	1.6	9
52	Predicting the Number of Days With Visibility in a Specific Range in Warsaw (Poland) Based on Meteorological and Air Quality Data. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	9
53	Chemical composition and mass closure of ambient particulate matter at a crossroads and a highway in Katowice, Poland. <i>Environmental Protection Engineering</i> , 2015, 41, .	0.1	9
54	Properties of Particulate Matter in the Air of the Wieliczka Salt Mine and Related Health Benefits for Tourists. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 826.	1.2	9

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55	A simple method for determination of total water in PM 1 on quartz fiber filters. <i>Microchemical Journal</i> , 2017, 132, 327-332.	2.3	8
56	Research on chromium and arsenic speciation in atmospheric particulate matter: short review. <i>E3S Web of Conferences</i> , 2018, 28, 01026.	0.2	7
57	PM1 and PM1-Bound Metals During Dry and Wet Periods: Ambient Concentration and Health Effects. <i>Environmental Engineering Science</i> , 2017, 34, 312-320.	0.8	6
58	The concentration of Cu and Pb in the funnel spider <i>Eratigena atrica</i> (C.ÂL.ÂKoch 1843) (Araneae:) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.6	6
59	Geochemical and Mineralogical Characteristics of Airborne Particulate Matter in Relation to Human Health Risk. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 866.	0.8	6
60	Site environment type "â€" The main factor of urban road dust toxicity?. <i>Ecotoxicology and Environmental Safety</i> , 2021, 218, 112290.	2.9	6
61	The critical factors of landfill fire impact on air quality. <i>Environmental Research Letters</i> , 2021, 16, 104026.	2.2	6
62	Analysis of the data set from a two-year observation of the ambient water-soluble ions bound to four particulate matter fractions in an urban background site in Southern Poland. <i>Environmental Protection Engineering</i> , 2017, 43, .	0.1	6
63	Optical Properties of Fine Particulate Matter in Upper Silesia, Poland. <i>Atmosphere</i> , 2015, 6, 1521-1538.	1.0	5
64	Polycyclic aromatic hydrocarbons in the firefighter workplace: The results from the first in Poland short-term measuring campaign. <i>E3S Web of Conferences</i> , 2018, 45, 00075.	0.2	5
65	Spider webs in monitoring of air pollution. <i>SHS Web of Conferences</i> , 2018, 57, 02011.	0.1	5
66	Particulate matter and polycyclic aromatic hydrocarbons in a selected athletic hall: ambient concentrations, origin and effects on human health. <i>E3S Web of Conferences</i> , 2018, 28, 01020.	0.2	5
67	Magnetic Susceptibility of Spider Webs and Dust: Preliminary Study in Wrocław, Poland. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 1018.	0.8	5
68	BTEXS Concentrations and Exposure Assessment in a Fire Station. <i>Atmosphere</i> , 2020, 11, 470.	1.0	5
69	Impact of Municipal, Road Traffic, and Natural Sources on PM10: The Hourly Variability at a Rural Site in Poland. <i>Energies</i> , 2021, 14, 2654.	1.6	5
70	PAH Concentrations Inside a Wood Processing Plant and the Indoor Effects of Outdoor Industrial Emissions. <i>Polish Journal of Environmental Studies</i> , 0, 24, 1867-1873.	0.6	5
71	Effects of road traffic on the ambient concentrations of three PM fractions and their main components in a large Upper Silesian city. <i>Annals of Warsaw University of Life Sciences, Land Reclamation</i> , 2013, 45, 243-253.	0.2	5
72	Ionic Composition of Fine Particulate Matter from Urban and Regional Background Sites in Poland. <i>Environmental Engineering Science</i> , 2017, 34, 236-250.	0.8	4

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73	Speciation of arsenic: a case study of PM1 in Zabrze. SN Applied Sciences, 2019, 1, 1.	1.5	4
74	Strongly and Loosely Bound Water in Ambient Particulate Matter – Qualitative and Quantitative Determination by Karl Fischer Coulometric Method. Sustainability, 2020, 12, 6196.	1.6	4
75	Tropospheric ozone assessment in urban environment – Warsaw case study of selected heat waves. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 209, 105418.	0.6	4
76	Knowledge Gaps and Recommendations for Future Research of Indoor Particulate Matter in Poland. Polish Journal of Environmental Studies, 2019, 28, 3043-3062.	0.6	4
77	A preliminary study of the concentrations and mass size distributions of particulate matter in indoor sports facilities before and during athlete training. Environmental Protection Engineering, 2019, 45, .	0.1	4
78	Silica Dust as an Additive in Concrete with Proven Impact on Human Health. Polish Journal of Environmental Studies, 2019, 28, 4057-4071.	0.6	3
79	Ammonia Dispersion in the Closed Space of an Ammonia Engine Room with Forced Ventilation in an Industrial Plant. Atmosphere, 2022, 13, 1062.	1.0	3
80	Particulate matter in indoor spaces: known facts and the knowledge gaps. Annals of Warsaw University of Life Sciences, Land Reclamation, 2015, 47, 43-54.	0.2	2
81	Organic and elemental carbon bound to particulate matter in the air of printing office and beauty salon. E3S Web of Conferences, 2017, 22, 00147.	0.2	2
82	Exposure of urban agglomeration population to the selected components of PM1 emitted from low emission sources. E3S Web of Conferences, 2017, 17, 00071.	0.2	2
83	Seasonal variation in health exposure to PM-bound Polycyclic Aromatic Hydrocarbons in selected sport facility. MATEC Web of Conferences, 2018, 247, 00047.	0.1	2
84	Factors determining the concentration and chemical composition of particulate matter in the air of selected service facilities. E3S Web of Conferences, 2018, 28, 01032.	0.2	2
85	PrzykÁ,ady wykorzystania testu OSTRACODTOXKIT FÁ,¢ do oceny zanieczyszczenia pyÁ,Á³w drogowych metalami w aglomeracji wrocÁ,awskiej. Scientific Review Engineering and Environmental Sciences, 2021, 29, 27-36.	0.2	2
86	Characteristics of Particles Emitted from Waste Fires – A Construction Materials Case Study. Materials, 2022, 15, 152.	1.3	2
87	Relationship between Visibility, Air Pollution Index and Annual Mortality Rate in Association with the Occurrence of Rainfall – A Probabilistic Approach. Energies, 2021, 14, 8397.	1.6	2
88	Comparative Study of PM10 Concentrations and Their Elemental Composition Using Two Different Techniques during Winter – Spring Field Observation in Polish Village. Energies, 2022, 15, 4769.	1.6	2
89	Metals distribution on the surface of quartz fiber filters used for particulate matter collection. Archives of Environmental Protection, 2015, 41, 3-10.	1.1	1
90	Inhalation exposure to particulate matter in a work environment of firefighters. MATEC Web of Conferences, 2018, 247, 00039.	0.1	1

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91	Short review on PM-bound water. Its presence in the atmosphere, forms of occurrence and determination by Karl Fischer coulometric titration. E3S Web of Conferences, 2018, 44, 00187.	0.2	1
92	Traffic-generated changes in the elemental profile of urban coarse dust at a highway and crossroads. E3S Web of Conferences, 2018, 45, 00074.	0.2	1
93	Soluble Inorganic Arsenic Species in Atmospheric Submicron Particles in Two Polish Urban Background Sites. Sustainability, 2020, 12, 837.	1.6	1
94	OCENA TOKSYCZNOŚCI WYMYWANEGO MIEJSKIEGO PYŁU DROGOWEGO Z WYKORZYSTANIEM TESTU MICROTOX – BADANIE PORÓWNAWCZE DLA DOLNEGO I GÓRNEGO ŚŁĄSKA. Zeszyty Naukowe SGSP, 2022, 81, 63-76.	0.8	1
95	New insights into submicron particles impact on visibility. Environmental Science and Pollution Research, 2022, 29, 87969-87981.	2.7	1
96	Badania nad występowaniem węgla w powietrzu wewnętrznym wybranych uczelni w Polsce. Scientific Review Engineering and Environmental Sciences, 2017, 26, 108-124.	0.2	0