

BoÅ¼ena ZabięgaÅa

List of Publications by Year in descending order

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79
papers

2,631
citations

201674

27
h-index

197818

49
g-index

82
all docs

82
docs citations

82
times ranked

2756
citing authors

#	ARTICLE	IF	CITATIONS
1	Small Polymeric Toys Placed in Child-Dedicated Chocolate Food Products—Do They Contain Harmful Chemicals? Examination of Quality by Example of Selected VOCs and SVOCs. <i>Exposure and Health</i> , 2022, 14, 203-216.	4.9	3
2	Real-time monitoring of the emission of volatile organic compounds from polylactide 3D printing filaments. <i>Science of the Total Environment</i> , 2022, 805, 150181.	8.0	14
3	Unconventional and user-friendly sampling techniques of semi-volatile organic compounds present in an indoor environment: An approach to human exposure assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116669.	11.4	1
4	Emission Profiles of Volatiles during 3D Printing with ABS, ASA, Nylon, and PETG Polymer Filaments. <i>Molecules</i> , 2022, 27, 3814.	3.8	3
5	Recent advances on SOA formation in indoor air, fate and strategies for SOA characterization in indoor air - A review. <i>Science of the Total Environment</i> , 2022, 843, 156948.	8.0	8
6	Accumulation of volatile constituents in agar and bioreactor shoot cultures of <i>Verbena officinalis</i> L. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 671-679.	2.3	5
7	Real-time monitoring of volatiles and particles emitted from thermoplastic filaments during 3D printing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1150, 012001.	0.6	0
8	Current trends in analytical strategies for determination of polybrominated diphenyl ethers (PBDEs) in samples with different matrix compositions — Part 1.: Screening of new developments in sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 115255.	11.4	9
9	Investigation on air quality of specific indoor environments—spa salons located in Gdynia, Poland. <i>Environmental Science and Pollution Research</i> , 2020, 28, 59214-59232.	5.3	5
10	Monitoring the BTEX Volatiles during 3D Printing with Acrylonitrile Butadiene Styrene (ABS) Using Electronic Nose and Proton Transfer Reaction Mass Spectrometry. <i>Sensors</i> , 2020, 20, 5531.	3.8	10
11	Investigation of the Dynamism of Nanosized SOA Particle Formation in Indoor Air by a Scanning Mobility Particle Sizer and Proton-Transfer-Reaction Mass Spectrometry. <i>Molecules</i> , 2020, 25, 2202.	3.8	4
12	Polybrominated diphenyl ether (PBDE) concentrations in dust from various indoor environments in Gdańsk, Poland: Prediction of concentrations in indoor air and assessment of exposure of adults. <i>Science of the Total Environment</i> , 2020, 734, 139437.	8.0	12
13	Emission profile of butan-2-one oxime from commercially available neutral silicone sealant. <i>Microchemical Journal</i> , 2020, 156, 104982.	4.5	4
14	Current trends in analytical strategies for the determination of polybrominated diphenyl ethers (PBDEs) in samples with different matrix compositions — Part 2: New approaches to PBDEs determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 115889.	11.4	3
15	Mass Spectrometry-Based Direct Analytical Techniques. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 75-101.	0.7	0
16	Chemical variability of <i>Rhododendron tomentosum</i> (<i>Ledum palustre</i>) essential oils and their pro-apoptotic effect on lymphocytes and rheumatoid arthritis synoviocytes. <i>Fytoterapia</i> , 2019, 139, 104402.	2.2	9
17	Matrix solid-phase dispersion (MSPD) as simple and useful sample preparation technique for determination of polybrominated diphenyl ethers (PBDEs) in dust. <i>Analytica Chimica Acta</i> , 2019, 1084, 33-42.	5.4	9
18	FROM HARVESTING TO DISTILLATION — EFFECT OF ANALYTICAL PROCEDURES ON THE YIELD AND CHEMICAL COMPOSITION OF RHODODENDRON TOMENTOSUM (<i>LEDUM PALUSTRE</i>) ESSENTIAL OIL. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 83-92.	0.1	4

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19	Validated HPTLC method for determination of ledol and alloaromadendrene in the essential oil fractions of <i>Rhododendron tomentosum</i> plants and in vitro cultures and bioautography for their activity screening. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 63-72.	2.3	13
20	Indoor air quality of everyday use spaces dedicated to specific purposesâ€”a review. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2065-2082.	5.3	47
21	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
22	Determination of polybrominated diphenyl ethers (PBDEs) in dust samples collected in air conditioning filters of different usage â€” method development. <i>Journal of Chromatography A</i> , 2018, 1565, 57-67.	3.7	12
23	Elicitation strategies for the improvement of essential oil content in <i>Rhododendron tomentosum</i> (<i>Ledum palustre</i>) bioreactor-grown microshoots. <i>Industrial Crops and Products</i> , 2018, 123, 461-469.	5.2	23
24	Indoor air quality in public utility environmentsâ€”a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11166-11176.	5.3	114
25	An investigation of selected monoaromatic hydrocarbons released from the surface of polystyrene lids used in coffee-to-go cups. <i>Microchemical Journal</i> , 2017, 133, 496-505.	4.5	17
26	The miniaturised emission chamber system and home-made passive flux sampler studies of monoaromatic hydrocarbons emissions from selected commercially-available floor coverings. <i>Building and Environment</i> , 2017, 123, 1-13.	6.9	24
27	Bioreactor shoot cultures of <i>Rhododendron tomentosum</i> (<i>Ledum palustre</i>) for a large-scale production of bioactive volatile compounds. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 51-64.	2.3	29
28	Green Sample Collection. , 2017, , 379-414.		0
29	In Vitro Propagation of <i>Rhododendron tomentosum</i> â€” an Endangered Essential Oil Bearing Plant from Peatland. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2016, 58, 29-43.	0.5	12
30	Concentrations of monoaromatic hydrocarbons in the air of the underground car park and individual garages attached to residential buildings. <i>Science of the Total Environment</i> , 2016, 573, 767-777.	8.0	15
31	Active Sampling of Air. <i>Comprehensive Analytical Chemistry</i> , 2016, , 167-201.	1.3	4
32	The effect of anthropogenic activity on BTEX, NO ₂ , SO ₂ , and CO concentrations in urban air of the spa city of Sopot and medium-industrialized city of Tczew located in North Poland. <i>Environmental Research</i> , 2016, 147, 513-524.	7.5	32
33	The estimation of total volatile organic compounds emissions generated from peroxide-cured natural rubber/polycaprolactone blends. <i>Microchemical Journal</i> , 2016, 127, 30-35.	4.5	11
34	Production of essential oils from in vitro cultures of <i>Caryopteris</i> species and comparison of their concentrations with in vivo plants. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	2.1	11
35	The influence of meteorological conditions and anthropogenic activities on the seasonal fluctuations of BTEX in the urban air of the Hanseatic city of Gdansk, Poland. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11940-11954.	5.3	33
36	The home-made in situ passive flux sampler for the measurement of monoterpene emission flux: preliminary studies. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6879-6884.	3.7	6

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37	The emissions of monoaromatic hydrocarbons from small polymeric toys placed in chocolate food products. <i>Science of the Total Environment</i> , 2015, 530-531, 290-296.	8.0	23
38	Current air quality analytics and monitoring: A review. <i>Analytica Chimica Acta</i> , 2015, 853, 116-126.	5.4	104
39	Application of passive sampling technique in monitoring research on quality of atmospheric air in the area of Tczew, Poland. <i>International Journal of Environmental Analytical Chemistry</i> , 2014, 94, 151-167.	3.3	34
40	The Relationships Between BTEX, NO _x , and O ₃ Concentrations in Urban Air in Gdansk and Gdynia, Poland. <i>Clean - Soil, Air, Water</i> , 2014, 42, 1326-1336.	1.1	13
41	Small-scale passive emission chamber for screening studies on monoterpene emission flux from the surface of wood-based indoor elements. <i>Science of the Total Environment</i> , 2014, 481, 35-46.	8.0	15
42	BTEX concentration levels in urban air in the area of the Tri-City agglomeration (Gdansk, Gdynia, Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 5	3.3	51
43	Î±-Pinene, 3-carene and d-limonene in indoor air of Polish apartments: The impact on air quality and human exposure. <i>Science of the Total Environment</i> , 2014, 468-469, 985-995.	8.0	32
44	Occurrence and levels of polybrominated diphenyl ethers (PBDEs) in house dust and hair samples from Northern Poland; an assessment of human exposure. <i>Chemosphere</i> , 2014, 110, 91-96.	8.2	49
45	Developments in ultrasound-assisted microextraction techniques for isolation and preconcentration of organic analytes from aqueous samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 45-54.	11.4	55
46	Human hair as a biomarker of human exposure to persistent organic pollutants (POPs). <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 84-98.	11.4	30
47	Miniaturized Passive Emission Chambers for In Situ Measurement of Emissions of Volatile Organic Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2013, 43, 55-61.	3.5	10
48	Mobile Systems (Portable, Handheld, Transportable) for Monitoring Air Pollution. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 2-15.	3.5	22
49	PBDEs in environmental samples: Sampling and analysis. <i>Talanta</i> , 2012, 93, 1-17.	5.5	105
50	Determination of polybrominated diphenyl ethers in house dust using standard addition method and gas chromatography with electron capture and mass spectrometric detection. <i>Journal of Chromatography A</i> , 2012, 1249, 201-214.	3.7	25
51	Measurement of benzene concentration in urban air using passive sampling. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1067-1082.	3.7	30
52	Testing and sampling devices for monitoring volatile and semi-volatile organic compounds in indoor air. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 32, 76-86.	11.4	38
53	Solventless sample preparation techniques based on solid- and vapour-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 277-300.	3.7	38
54	Monitoring and analytics of semivolatile organic compounds (SVOCs) in indoor air. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1751-1769.	3.7	44

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55	A Comparative Study of the Performance of Passive Samplers. Journal of the Air and Waste Management Association, 2011, 61, 260-268.	1.9	19
56	Passive sampling as a tool for obtaining reliable analytical information in environmental quality monitoring. Analytical and Bioanalytical Chemistry, 2010, 396, 273-296.	3.7	139
57	Monitoring VOCs in atmospheric air I. On-line gas analyzers. TrAC - Trends in Analytical Chemistry, 2010, 29, 1092-1100.	11.4	56
58	Monitoring VOCs in atmospheric air II. Sample collection and preparation. TrAC - Trends in Analytical Chemistry, 2010, 29, 1101-1112.	11.4	89
59	Spatial and Seasonal Patterns of Benzene, Toluene, Ethylbenzene, and Xylenes in the GdaÅ¼sk, Poland and Surrounding Areas Determined Using Radiello Passive Samplers. Journal of Environmental Quality, 2010, 39, 896-906.	2.0	15
60	Application of Passive Sampling Technique for Monitoring of BTEX Concentration in Urban Air: Field Comparison of Different Types of Passive Samplers. Journal of Chromatographic Science, 2010, 48, 167-175.	1.4	33
61	Sample preparation for gas chromatographic determination of halogenated volatile organic compounds in environmental and biological samples. Journal of Chromatography A, 2009, 1216, 422-441.	3.7	27
62	Application of Passive Samplers in Monitoring of Organic Constituents of Air. Critical Reviews in Analytical Chemistry, 2007, 37, 51-78.	3.5	43
63	Chapter 4 Use of permeation passive samplers in air monitoring. Comprehensive Analytical Chemistry, 2007, , 85-106.	1.3	2
64	Monitoring with the use of passive samplers a useful source of information for the mapping and modelling of urban atmosphere pollution. International Journal of Environment and Health, 2007, 1, 268.	0.3	1
65	Screening of volatile organic compounds as a source for indoor pollution. International Journal of Environment and Health, 2007, 1, 13.	0.3	15
66	Advances in passive sampling in environmental studies. Analytica Chimica Acta, 2007, 602, 141-163.	5.4	221
67	Application of the chromatographic retention index system for the estimation of the calibration constants of permeation passive samplers with polydimethylsiloxane membranes. Journal of Chromatography A, 2006, 1117, 19-30.	3.7	18
68	165. Permeation Passive Sampling in Air Analysis. , 2006, , .		0
69	Passive sampling and/or extraction techniques in environmental analysis: a review. Analytical and Bioanalytical Chemistry, 2005, 381, 279-301.	3.7	321
70	Employment of passive sampling in monitoring indoor air quality in selected residences in a Tri-city area in Poland. Toxicological and Environmental Chemistry, 2005, 87, 529-541.	1.2	1
71	Calibration of Permeation Passive Samplers with Silicone Membranes Based on Physicochemical Properties of the Analytes. Analytical Chemistry, 2003, 75, 3182-3192.	6.5	21
72	Permeation passive sampling as a tool for the evaluation of indoor air quality. Atmospheric Environment, 2002, 36, 2907-2916.	4.1	52

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73	Passive sampling for long-term monitoring of organic pollutants in water. TrAC - Trends in Analytical Chemistry, 2000, 19, 446-459.	11.4	143
74	Applicability of Silicone Membrane Passive Samplers for Monitoring of Indoor Air Quality. Analytical Letters, 2000, 33, 1361-1372.	1.8	11
75	Evaluation of Pollution Degree of the Odra River Basin with Organic Compounds after the 1997 Summer Flood - General Comments. Clean - Soil, Air, Water, 1999, 27, 343-349.	0.6	13
76	Changes in concentration levels of selected VOCs in newly erected and remodelled buildings in Gdańsk. Chemosphere, 1999, 39, 2035-2046.	8.2	16
77	Investigations on the Applicability of some Commercial Polyethylene Films to Permeation-type Passive Samplers for Organic Vapours. Indoor Air, 1992, 2, 115-120.	4.3	17
78	Indoor air quality (IAQ), pollutants, their sources and concentration levels. Building and Environment, 1992, 27, 339-356.	6.9	77
79	Determination of Selected Organic Pollutants in Indoor Air using Permeation Passive Samplers. International Journal of Environmental Analytical Chemistry, 1989, 37, 139-147.	3.3	7