

Tomasz Ligor

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

3,415
citations

218381

26
h-index

138251

58
g-index

67
all docs

67
docs citations

67
times ranked

3455
citing authors

#	ARTICLE	IF	CITATIONS
1	Human exhaled air analytics: biomarkers of diseases. <i>Biomedical Chromatography</i> , 2007, 21, 553-566.	0.8	629
2	Noninvasive detection of lung cancer by analysis of exhaled breath. <i>BMC Cancer</i> , 2009, 9, 348.	1.1	472
3	Determination of volatile organic compounds in exhaled breath of patients with lung cancer using solid phase microextraction and gas chromatography mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 550-60.	1.4	216
4	Analysis of Exhaled Breath for Disease Detection. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 455-482.	2.8	160
5	Analysis of exhaled breath from smokers, passive smokers and non-smokers by solid-phase microextraction gas chromatography/mass spectrometry. <i>Biomedical Chromatography</i> , 2009, 23, 551-556.	0.8	157
6	Identification of volatile lung cancer markers by gas chromatography-mass spectrometry: comparison with discrimination by canines. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 141-146.	1.9	156
7	Determination of volatile organic compounds as biomarkers of lung cancer by SPME-GC-TOF/MS and chemometrics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3360-3366.	1.2	152
8	The analysis of healthy volunteers' exhaled breath by the use of solid-phase microextraction and GC-MS. <i>Journal of Breath Research</i> , 2008, 2, 046006.	1.5	126
9	Detection of volatile organic compounds as biomarkers in breath analysis by different analytical techniques. <i>Bioanalysis</i> , 2013, 5, 2287-2306.	0.6	79
10	Volatile Organic Compounds in Exhaled Breath as Fingerprints of Lung Cancer, Asthma and COPD. <i>Journal of Clinical Medicine</i> , 2021, 10, 32.	1.0	79
11	Identification of volatile organic compounds secreted from cancer tissues and bacterial cultures. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 868, 88-94.	1.2	76
12	Study of the art: canine olfaction used for cancer detection on the basis of breath odour. Perspectives and limitations. <i>Journal of Breath Research</i> , 2015, 9, 027001.	1.5	74
13	Isolation and determination of ginsenosides in American ginseng leaves and root extracts by LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 1098-1105.	1.9	63
14	Kinetic and equilibrium studies of phenol adsorption by natural and modified forms of the clinoptilolite. <i>Journal of Hazardous Materials</i> , 2009, 169, 847-854.	6.5	57
15	Analytical and unconventional methods of cancer detection using odor. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 38, 1-12.	5.8	50
16	Preliminary study of volatile organic compounds from breath and stomach tissue by means of solid phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Breath Research</i> , 2007, 1, 016001.	1.5	46
17	Application of an artificial neural network model for selection of potential lung cancer biomarkers. <i>Journal of Breath Research</i> , 2015, 9, 027106.	1.5	44
18	Fibers with polypyrrole and polythiophene phases for isolation and determination of adrenolytic drugs from human plasma by SPME-HPLC. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 2226-2234.	1.2	40

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19	Mass spectrometric techniques for the analysis of volatile organic compounds emitted from bacteria. <i>Bioanalysis</i> , 2017, 9, 1069-1092.	0.6	38
20	Saliva – Volatile Biomarkers and Profiles. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 251-266.	1.8	37
21	Clinoptilolite in study of lindane and aldrin sorption processes from water solution. <i>Journal of Hazardous Materials</i> , 2008, 151, 570-577.	6.5	36
22	VOC Profiles of Saliva in Assessment of Halitosis and Submandibular Abscesses Using HS-SPME-GC/MS Technique. <i>Molecules</i> , 2019, 24, 2977.	1.7	36
23	A novel approach to the rapid determination of amoxicillin in human plasma by solid phase microextraction and liquid chromatography. <i>Analyst</i> , 2011, 136, 2635.	1.7	31
24	The effect of growth medium on an <i>Escherichia coli</i> pathway mirrored into GC/MS profiles. <i>Journal of Breath Research</i> , 2017, 11, 036012.	1.5	31
25	Volatile organic compounds (VOCs) from cereal plants infested with crown rot: their identity and their capacity for inducing production of VOCs in uninfested plants. <i>International Journal of Pest Management</i> , 2010, 56, 377-383.	0.9	30
26	Determination of phenolic derivatives of antipyrine in plasma with solid-phase extraction and high-performance liquid chromatography–atmospheric-pressure chemical ionization mass spectrometry. <i>Biomedical Applications</i> , 1999, 732, 103-113.	1.7	27
27	An Optimistic Vision of Future: Diagnosis of Bacterial Infections by Sensing Their Associated Volatile Organic Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2020, 50, 501-512.	1.8	27
28	Extraction of trace organic pollutants from aqueous samples by a single drop method. <i>Chromatographia</i> , 2000, 51, S279-S282.	0.7	26
29	Simultaneous Determination of Cyclitols and Sugars Following a Comprehensive Investigation of 40 Plants. <i>Food Analytical Methods</i> , 2019, 12, 1466-1478.	1.3	26
30	Preparation and characterization of microporous fibers for sample preparation and LC–MS determination of drugs. <i>Journal of Separation Science</i> , 2009, 32, 2448-2454.	1.3	24
31	Effects of mechanical injury and insect feeding on volatiles emitted by wheat plants. <i>Entomologica Fennica</i> , 2010, 21, 117-128.	0.6	24
32	Determination of adrenolytic drugs by SPME–LC–MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 173-179.	1.9	23
33	Complex investigation of extraction techniques applied for cyclitols and sugars isolation from different species of <i>Solidago</i> genus. <i>Electrophoresis</i> , 2018, 39, 1966-1974.	1.3	23
34	Needle Trap Device-GC-MS for Characterization of Lung Diseases Based on Breath VOC Profiles. <i>Molecules</i> , 2021, 26, 1789.	1.7	23
35	Biosorption of silver cations onto <i>Lactococcus lactis</i> and <i>Lactobacillus casei</i> isolated from dairy products. <i>PLoS ONE</i> , 2017, 12, e0174521.	1.1	23
36	Single-drop microextraction and gas chromatography–mass spectrometry for the determination of volatile aldehydes in fresh cucumbers. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2283-2289.	1.9	22

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37	Determination of sugars and cyclitols isolated from various morphological parts of <i>Medicago sativa</i> L. <i>Journal of Separation Science</i> , 2018, 41, 1118-1128.	1.3	19
38	GC-MS application in determination of volatile profiles emitted by infected and uninfected human tissue. <i>Journal of Breath Research</i> , 2019, 13, 026003.	1.5	19
39	Profiling of VOCs released from different salivary bacteria treated with non-lethal concentrations of silver nitrate. <i>Analytical Biochemistry</i> , 2019, 578, 36-44.	1.1	17
40	Analytical Methods for Breath Investigation. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 2-12.	1.8	16
41	Design of the extraction process for terpenes and other volatiles from allspice by solid-phase microextraction and hydrodistillation. <i>Journal of Separation Science</i> , 2016, 39, 769-775.	1.3	15
42	A Review of GC-Based Analysis of Non-Invasive Biomarkers of Colorectal Cancer and Related Pathways. <i>Journal of Clinical Medicine</i> , 2020, 9, 3191.	1.0	15
43	Application of Different Extraction Methods for the Quality Control of Water. <i>Water, Air, and Soil Pollution</i> , 2001, 129, 155-165.	1.1	14
44	Monitoring of Bactericidal Effects of Silver Nanoparticles Based on Protein Signatures and VOC Emissions from <i>Escherichia coli</i> and Selected Salivary Bacteria. <i>Journal of Clinical Medicine</i> , 2019, 8, 2024.	1.0	14
45	Organic and inorganic pollution of the Vistula River basin. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 421-426.	0.9	12
46	Evolution and Evaluation of GC Columns. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 150-173.	1.8	12
47	The chromatographic assay of 4-hydroxynonenal as a biomarker of diseases by means of MEPS and HPLC technique. <i>Biomedical Chromatography</i> , 2015, 29, 584-589.	0.8	8
48	Comprehensive Gas Chromatography: Food and Metabolomics Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 176-185.	1.8	8
49	Poly lactide as a Substitute for Conventional Polymers – Biopolymer Processing under Varying Extrusion Conditions. <i>Environments - MDPI</i> , 2022, 9, 57.	1.5	8
50	Investigation of bacterial viability from incubated saliva by application of flow cytometry and hyphenated separation techniques. <i>Electrophoresis</i> , 2017, 38, 2081-2088.	1.3	7
51	GC/MS analysis of gaseous degradation products formed during extrusion blow molding process of PE films. <i>Chemical Papers</i> , 2010, 64, .	1.0	6
52	Evaluation of Septa Quality for Automatic SPME-GC-MS Trace Analysis. <i>Journal of Chromatographic Science</i> , 2012, 50, 10-14.	0.7	6
53	Sorbents for Trapping Organic Pollutants From Air. <i>International Journal of Occupational Safety and Ergonomics</i> , 1998, 4, 153-167.	1.1	5
54	Isolation and Determination of 4-Nonylphenol in Environmental Samples Using Combined Chromatographic Techniques. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2997-3012.	0.5	4

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55	Study of sorptive properties of trap systems for selective enrichment of volatile organic compounds from tobacco smoke samples. <i>Toxicological and Environmental Chemistry</i> , 2008, 90, 51-64.	0.6	4
56	Air sampling unit for breath analyzers. <i>Review of Scientific Instruments</i> , 2017, 88, 115006.	0.6	4
57	"Features of infected versus uninfected chemical profiles released from human exudates ". <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2019, 64, 207-216.	0.1	4
58	Analysis of Cancer Biomarkers in Exhaled Breath and Comparison with Sensory Indications by Dogs. , 2013, , 177-192.		3
59	Micro-Chamber/Thermal Extractor ($\hat{\mu}$ -CTE) as a new sampling system for VOCs emitted by feces. <i>Scientific Reports</i> , 2021, 11, 18780.	1.6	3
60	The identification of phenolic compounds by a gas chromatographic method on three capillary columns with the same non-polar stationary phase. <i>Analytica Chimica Acta</i> , 2005, 539, 11-15.	2.6	2
61	Using Gas Chromatography for Indoor-Air Quality Control in Conservation and Renovation Studios. <i>International Journal of Occupational Safety and Ergonomics</i> , 2005, 11, 251-261.	1.1	2
62	The oxidative degradation and C-C coupling reaction of dibenzoazepine derivatives by peroxydisulfate ion and sulfate radical in aqueous media. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 1-17.	0.8	2
63	Determination of Volatile Organic Compounds: Enrichment and Analysis. , 2016, , 403-430.		2
64	Application of Computational Chemistry in Characterization of Solid Phase Microextraction Fibers for Selective Sorption of Drugs. <i>QSAR and Combinatorial Science</i> , 2009, 28, 1255-1262.	1.5	1
65	The Development and Evaluation of Chemically Modified Sorbents for Monitoring VOCs in Air and Water. <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 949-954.	1.2	0
66	Volatile Organic Compounds Emitted by Biological Matrices. , 2022, , 277-293.		0