

Pierre-Hugues Stefanuto

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,402
citations

304743

22
h-index

345221

36
g-index

52
all docs

52
docs citations

52
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Deeper investigation of oxygen-containing compounds in oleaginous feedstock (animal fat) by preparative column chromatography and comprehensive two-dimensional gas chromatography coupled with high-resolution time-of-flight mass spectrometry. <i>Talanta</i> , 2022, 238, 123019.	5.5	2
2	The diagnostic purpose of odorant patterns for clinical applications using GC-MS. <i>Comprehensive Analytical Chemistry</i> , 2022, , .	1.3	1
3	Use of GC-MS for the characterization of odours in forensic applications. <i>Comprehensive Analytical Chemistry</i> , 2022, 96, 335-365.	1.3	5
4	Volatile organic compound profiling to explore primary graft dysfunction after lung transplantation. <i>Scientific Reports</i> , 2022, 12, 2053.	3.3	12
5	Distinguishing between Decaffeinated and Regular Coffee by HS-SPME-GC-MS, Chemometrics, and Machine Learning. <i>Molecules</i> , 2022, 27, 1806.	3.8	21
6	Advanced mono- and multi-dimensional gas chromatography-mass spectrometry techniques for oxygen-containing compound characterization in biomass and biofuel samples. <i>Journal of Separation Science</i> , 2021, 44, 115-134.	2.5	15
7	Are Volatile Organic Compounds Able to Identify Airflow Decline in Asthma?. <i>Journal of Asthma and Allergy</i> , 2021, Volume 14, 67-70.	3.4	0
8	Breathomics to diagnose systemic sclerosis using thermal desorption and comprehensive two-dimensional gas chromatography high-resolution time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3813-3822.	3.7	3
9	Unraveling the Complex Olefin Isomer Mixture Using Two-Dimensional Gas Chromatography-Photoionization-Time of Flight Mass Spectrometry. <i>Journal of Chromatography A</i> , 2021, 1645, 462103.	3.7	4
10	Advanced chemometric and data handling tools for GC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116251.	11.4	43
11	Modeling approaches for temperature-programmed gas chromatographic retention times under vacuum outlet conditions. <i>Journal of Chromatography A</i> , 2021, 1651, 462300.	3.7	4
12	Insights into Dodecenes Produced from Olefin Oligomerization Based on Two-Dimensional Gas Chromatography-Photoionization-Time of Flight Mass Spectrometry and Multivariate Statistics. <i>ACS Omega</i> , 2021, 6, 30971-30982.	3.5	2
13	Investigating aroma diversity combining purge-and-trap, comprehensive two-dimensional gas chromatography, and mass spectrometry. <i>Journal of Separation Science</i> , 2020, 43, 1790-1799.	2.5	15
14	Columns and column configurations. <i>Separation Science and Technology</i> , 2020, 12, 69-88.	0.2	5
15	Multimodal combination of GC-MS-MS and SIFT-MS for asthma phenotyping using exhaled breath. <i>Scientific Reports</i> , 2020, 10, 16159.	3.3	19
16	Comparison of the effect of chemically and biologically induced inflammation on the volatile metabolite production of lung epithelial cells by GC-MS. <i>Analyst</i> , 2020, 145, 5148-5157.	3.5	14
17	Comprehensive gas chromatography-mass spectrometry. , 2020, , 239-251.		2
18	A benchmarking protocol for breath analysis: the peppermint experiment. <i>Journal of Breath Research</i> , 2020, 14, 046008.	3.0	41

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19	Exhaled Volatile Organic Compounds are Able to Diagnose Systemic Sclerosis. , 2020, , .		0
20	Multimodal chemometric approach for the analysis of human exhaled breath in lung cancer patients by TD-GC-TOFMS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1114-1115, 146-153.	2.3	48
21	Comprehensive Approach for Monitoring Human Tissue Degradation. Chromatographia, 2019, 82, 857-871.	1.3	13
22	Exhaled Volatile Organic Compounds Are Able to Discriminate between Neutrophilic and Eosinophilic Asthma. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 444-453.	5.6	115
23	Compositional elucidation of heavy petroleum base oil by GC-TOFMS. Journal of Mass Spectrometry, 2019, 54, 148-157.	1.6	27
24	Multi-matrices screening for untargeted volatilomics by GC-TOFMS. , 2019, , .		0
25	Fingerprinting Glues Using HS-SPME GC-HRTOFMS: a New Powerful Method Allows Tracking Glues Back in Time. Archaeometry, 2018, 60, 1361-1376.	1.3	14
26	Characterizing decomposition odor from soil and adipocere samples at a death scene using HS-SPME-GC-HRTOFMS. Forensic Chemistry, 2018, 8, 11-20.	2.8	23
27	SPME-GC-TOF MS fingerprint of virally-infected cell culture: Sample preparation optimization and data processing evaluation. Analytica Chimica Acta, 2018, 1027, 158-167.	5.4	32
28	Comprehensive volatile metabolic fingerprinting of bacterial and fungal pathogen groups. Journal of Breath Research, 2018, 12, 026001.	3.0	32
29	Volatile fingerprinting of human respiratory viruses from cell culture. Journal of Breath Research, 2018, 12, 026015.	3.0	40
30	Characterization of hafting adhesives using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry. Separation Science Plus, 2018, 1, 726-737.	0.6	6
31	Thermal desorption comprehensive two-dimensional gas chromatography coupled to variable-energy electron ionization time-of-flight mass spectrometry for monitoring subtle changes in volatile organic compound profiles of human blood. Journal of Chromatography A, 2017, 1501, 117-127.	3.7	55
32	Advanced method optimization for volatile aroma profiling of beer using two-dimensional gas chromatography time-of-flight mass spectrometry. Journal of Chromatography A, 2017, 1507, 45-52.	3.7	76
33	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. BioScience, 2017, 67, 600-613.	4.9	53
34	Sniffing out the hypoxia volatile metabolic signature of <i>Aspergillus fumigatus</i> . Journal of Breath Research, 2017, 11, 036003.	3.0	21
35	A minimally-invasive method for profiling volatile organic compounds within postmortem internal gas reservoirs. International Journal of Legal Medicine, 2017, 131, 1271-1281.	2.2	13
36	A New Approach for the Characterization of Organic Residues from Stone Tools Using GC-TOFMS. Separations, 2016, 3, 16.	2.4	19

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37	Postmortem Internal Gas Reservoir Monitoring Using GC–GC-HRTOF-MS. <i>Separations</i> , 2016, 3, 24.	2.4	19
38	GC–GC-TOFMS, the Swiss Knife for VOC Mixtures Analysis in Soil Forensic Investigations. <i>Soil Forensics</i> , 2016, , 317-329.	0.2	3
39	Reducing variation in decomposition odour profiling using comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2015, 38, 73-80.	2.5	42
40	Fast Chromatographic Method for Explosive Profiling. <i>Chromatography (Basel)</i> , 2015, 2, 213-224.	1.2	31
41	Exploring new dimensions in cadaveric decomposition odour analysis. <i>Analytical Methods</i> , 2015, 7, 2287-2294.	2.7	52
42	GC–GC-TOFMS and supervised multivariate approaches to study human cadaveric decomposition olfactive signatures. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4767-4778.	3.7	59
43	Detection of decomposition volatile organic compounds in soil following removal of remains from a surface deposition site. <i>Forensic Science, Medicine, and Pathology</i> , 2015, 11, 376-387.	1.4	31
44	Exploring the volatome of different cancer cell lines. , 2015, , .		0
45	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. <i>ChemPlusChem</i> , 2014, 79, 786-789.	2.8	31
46	Comparison of the Decomposition VOC Profile during Winter and Summer in a Moist, Mid-Latitude (Cfb) Climate. <i>PLoS ONE</i> , 2014, 9, e113681.	2.5	64
47	Characterization of Volatile Organic Compounds from Human Analogue Decomposition Using Thermal Desorption Coupled to Comprehensive Two-Dimensional Gas Chromatography–Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 998-1005.	6.5	106
48	Analysis of synthetic canine training aids by comprehensive two-dimensional gas chromatography–time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1255, 202-206.	3.7	55
49	Enhanced Characterization of the Smell of Death by Comprehensive Two-Dimensional Gas Chromatography–Time-of-Flight Mass Spectrometry (GCxGC-TOFMS). <i>PLoS ONE</i> , 2012, 7, e39005.	2.5	111