Pierre-Hugues Stefanuto

List of Publications by Year
in descending order

49	1,402	304743	345221
papers	citations	22 h-index	36 g-index

52	52	52	1124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Enhanced Characterization of the Smell of Death by Comprehensive Two-Dimensional Gas Chromatography-Time-of-Flight Mass Spectrometry (GCxGC-TOFMS). PLoS ONE, 2012, 7, e39005.	2.5	111
3	Characterization of Volatile Organic Compounds from Human Analogue Decomposition Using Thermal Desorption Coupled to Comprehensive Two-Dimensional Gas Chromatographyâ€“Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2013, 85, 998-1005.	6.5	106
4	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
5	Comparison of the Decomposition VOC Profile during Winter and Summer in a Moist, Mid-Latitude (Cfb) Climate. PLoS ONE, 2014, 9, e113681.	2.5	64
6	GCâ€‰Ã—â€‰GCâ€“TOFMS and supervised multivariate approaches to study human cadaveric decomposition olfactive signatures. Analytical and Bioanalytical Chemistry, 2015, 407, 4767-4778.	3.7	59
7	Analysis of synthetic canine training aids by comprehensive two-dimensional gas chromatographyâ€“time of flight mass spectrometry. Journal of Chromatography A, 2012, 1255, 202-206.	3.7	55
8	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
9	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. BioScience, 2017, 67, 600-613.	4.9	53
10	Exploring new dimensions in cadaveric decomposition odour analysis. Analytical Methods, 2015, 7, 2287-2294.	2.7	52
11	Multimodal chemometric approach for the analysis of human exhaled breath in lung cancer patients by TD-GCâ€Ã—â€GC-TOFMS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1114-1115, 146-153.	2.3	48
12	Advanced chemometric and data handling tools for GCÃ—GC-TOF-MS. TrAC - Trends in Analytical Chemistry, 2021, 139, 116251.	11.4	43
13	Reducing variation in decomposition odour profiling using comprehensive two-dimensional gas chromatography. Journal of Separation Science, 2015, 38, 73-80.	2.5	42
14	A benchmarking protocol for breath analysis: the peppermint experiment. Journal of Breath Research, 2020, 14, 046008.	3.0	41
15	Volatile fingerprinting of human respiratory viruses from cell culture. Journal of Breath Research, 2018, 12, 026015.	3.0	40
16	SPME-GCÃ—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
17	Comprehensive volatile metabolic fingerprinting of bacterial and fungal pathogen groups. Journal of Breath Research, 2018, 12, 026001.	3.0	32
18	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. ChemPlusChem, 2014, 79, 786-789.	2.8	31

#	Article	IF	Citations
19	Fast Chromatographic Method for Explosive Profiling. Chromatography (Basel), 2015, 2, 213-224.	1.2	31
20	Detection of decomposition volatile organic compounds in soil following removal of remains from a surface deposition site. Forensic Science, Medicine, and Pathology, 2015, 11, 376-387.	1.4	31
21	Compositional elucidation of heavy petroleum base oil by GCÂÃ—ÂGCâ€EI/PI/CI/FIâ€TOFMS. Journal of Mass Spectrometry, 2019, 54, 148-157.	1.6	27
22	Characterizing decomposition odor from soil and adipocere samples at a death scene using HS-SPME-GCÃ—GC-HRTOFMS. Forensic Chemistry, 2018, 8, 11-20.	2.8	23
23	Sniffing out the hypoxia volatile metabolic signature ofAspergillus fumigatus. Journal of Breath Research, 2017, 11, 036003.	3.0	21
24	Distinguishing between Decaffeinated and Regular Coffee by HS-SPME-GCÃ—GC-TOFMS, Chemometrics, and Machine Learning. Molecules, 2022, 27, 1806.	3.8	21
25	A New Approach for the Characterization of Organic Residues from Stone Tools Using GCÃ—GC-TOFMS. Separations, 2016, 3, 16.	2.4	19
26	Postmortem Internal Gas Reservoir Monitoring Using GCÃ—GC-HRTOF-MS. Separations, 2016, 3, 24.	2.4	19
27	Multimodal combination of GCâ€‰Ã—â€‰GC-HRTOFMS and SIFT-MS for asthma phenotyping using exhaled breath. Scientific Reports, 2020, 10, 16159.	3.3	19
28	Investigating aroma diversity combining purgeâ€andâ€trap, comprehensive twoâ€dimensional gas chromatography, and mass spectrometry. Journal of Separation Science, 2020, 43, 1790-1799.	2.5	15
29	Advanced monoâ€and multiâ€dimensional gas chromatographyâ€“mass spectrometry techniques for oxygenâ€containing compound characterization in biomass and biofuel samples. Journal of Separation Science, 2021, 44, 115-134.	2.5	15
30	Fingerprinting Glues Using HSâ€SPME GCÃ—GCâ€“HRTOFMS: a New Powerful Method Allows Tracking Glues Back in Time. Archaeometry, 2018, 60, 1361-1376.	1.3	14
31	Comparison of the effect of chemically and biologically induced inflammation on the volatile metabolite production of lung epithelial cells by GCÃ—GC-TOFMS. Analyst, The, 2020, 145, 5148-5157.	3.5	14
32	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
33	Comprehensive Approach for Monitoring Human Tissue Degradation. Chromatographia, 2019, 82, 857-871.	1.3	13
34	Volatile organic compound profiling to explore primary graft dysfunction after lung transplantation. Scientific Reports, 2022, 12, 2053.	3.3	12
35	Characterization of hafting adhesives using comprehensive twoâ€dimensional gas chromatography coupled to timeâ€ofâ€flight mass spectrometry. Separation Science Plus, 2018, 1, 726-737.	0.6	6
36	Columns and column configurations. Separation Science and Technology, 2020, 12, 69-88.	0.2	5

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37	Use of GCÃ—GC for the characterization of odours in forensic applications. Comprehensive Analytical Chemistry, 2022, 96, 335-365.	1.3	5
38	Unraveling the Complex Olefin Isomer Mixture Using Two-Dimensional Gas Chromatography-Photoionization-Time of Flight Mass Spectrometry. Journal of Chromatography A, 2021, 1645, 462103.	3.7	4
39	Modeling approaches for temperature-programmed gas chromatographic retention times under vacuum outlet conditions. Journal of Chromatography A, 2021, 1651, 462300.	3.7	4
40	GCÃ—GC-TOFMS, the Swiss Knife for VOC Mixtures Analysis in Soil Forensic Investigations. Soil Forensics, 2016, , 317-329.	0.2	3
41	Breathomics to diagnose systemic sclerosis using thermal desorption and comprehensive two-dimensional gas chromatography high-resolution time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2021, 413, 3813-3822.	3.7	3
42	Comprehensive gas chromatography-mass spectrometry. , 2020, , 239-251.		2
43	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. Talanta, 2022, 238, 123019.	5.5	2
44	Insights into Dodecenes Produced from Olefin Oligomerization Based on Two-Dimensional Gas Chromatographyâ€“Photoionizationâ€“Time of Flight Mass Spectrometry and Multivariate Statistics. ACS Omega, 2021, 6, 30971-30982.	3.5	2
45	The diagnostic purpose of odorant patterns for clinical applications using GC Ã— GC. Comprehensive Analytical Chemistry, 2022, , .	1.3	1
46	Are Volatile Organic Compounds Able to Identify Airflow Decline in Asthma?. Journal of Asthma and Allergy, 2021, Volume 14, 67-70.	3.4	0
47	Exploring the volatome of different cancer cell lines. , 2015, , .		0
48	Multi-matrices screening for untargeted volatilomics by GCÃ—GC-TOFMS. , 2019, , .		0
49	Exhaled Volatile Organic Compounds are Able to Diagnose Systemic Sclerosis. , 2020, , .		0