Katelynn Amanda Perrault

List of Publications by Year
in descending order

32	983	393982	433756
papers	citations	19 h-index	31 g-index

34	34	34	598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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.	1.8	76
2	Decomposition Odour Profiling in the Air and Soil Surrounding Vertebrate Carrion. PLoS ONE, 2014, 9, e95107.	1.1	76
3	Comparison of the Decomposition VOC Profile during Winter and Summer in a Moist, Mid-Latitude (Cfb) Climate. PLoS ONE, 2014, 9, e113681.	1.1	64
4	GCâ€‰Ã—â€‰GCâ€“TOFMS and supervised multivariate approaches to study human cadaveric decomposition olfactive signatures. Analytical and Bioanalytical Chemistry, 2015, 407, 4767-4778.	1.9	59
5	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.	1.8	55
6	Establishing the volatile profile of pig carcasses as analogues for human decomposition during the early postmortem period. Heliyon, 2016, 2, e00070.	1.4	53
7	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. BioScience, 2017, 67, 600-613.	2.2	53
8	Exploring new dimensions in cadaveric decomposition odour analysis. Analytical Methods, 2015, 7, 2287-2294.	1.3	52
9	A Comparison of One-Dimensional and Comprehensive Two-Dimensional Gas Chromatography for Decomposition Odour Profiling Using Inter-Year Replicate Field Trials. Chromatographia, 2015, 78, 1057-1070.	0.7	45
10	Reducing variation in decomposition odour profiling using comprehensive two-dimensional gas chromatography. Journal of Separation Science, 2015, 38, 73-80.	1.3	42
11	Effect of age and storage conditions on the volatile organic compound profile of blood. Forensic Science, Medicine, and Pathology, 2014, 10, 570-582.	0.6	38
12	A Longitudinal Study of Decomposition Odour in Soil Using Sorbent Tubes and Solid Phase Microextraction. Chromatography (Basel), 2014, 1, 120-140.	1.2	36
13	Seasonal comparison of carrion volatiles in decomposition soil using comprehensive two-dimensional gas chromatography â€“ time of flight mass spectrometry. Analytical Methods, 2015, 7, 690-698.	1.3	35
14	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. ChemPlusChem, 2014, 79, 786-789.	1.3	31
15	Fast Chromatographic Method for Explosive Profiling. Chromatography (Basel), 2015, 2, 213-224.	1.2	31
16	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.	0.6	31
17	Profiling the decomposition odour at the grave surface before and after probing. Forensic Science International, 2016, 259, 193-199.	1.3	26
18	Volatile Organic Compound Profiling from Postmortem Microbes using Gas Chromatographyâ€“Mass Spectrometry. Journal of Forensic Sciences, 2020, 65, 134-143.	0.9	25

#	Article	IF	Citations
19	Characterizing decomposition odor from soil and adipocere samples at a death scene using HS-SPME-GCÃ—GC-HRTOFMS. Forensic Chemistry, 2018, 8, 11-20.	1.7	23
20	A New Approach for the Characterization of Organic Residues from Stone Tools Using GCÃ—GC-TOFMS. Separations, 2016, 3, 16.	1.1	19
21	Postmortem Internal Gas Reservoir Monitoring Using GCÃ—GC-HRTOF-MS. Separations, 2016, 3, 24.	1.1	19
22	Elemental analysis of soil and vegetation surrounding decomposing human analogues. Journal of the Canadian Society of Forensic Science, 2016, 49, 138-151.	0.7	16
23	Sampling Dynamics for Volatile Organic Compounds Using Headspace Solid-Phase Microextraction Arrow for Microbiological Samples. Separations, 2018, 5, 45.	1.1	16
24	Translation of a One-Dimensional to a Comprehensive Two-Dimensional Gas Chromatography Method with Dual-Channel Detection for Volatile Organic Compound Measurement in Forensic Applications. Analytical Chemistry, 2020, 92, 10091-10098.	3.2	14
25	A minimally-invasive method for profiling volatile organic compounds within postmortem internal gas reservoirs. International Journal of Legal Medicine, 2017, 131, 1271-1281.	1.2	13
26	Comprehensive Approach for Monitoring Human Tissue Degradation. Chromatographia, 2019, 82, 857-871.	0.7	13
27	Characterization of hafting adhesives using comprehensive twoâ€dimensional gas chromatography coupled to timeâ€ofâ€flight mass spectrometry. Separation Science Plus, 2018, 1, 726-737.	0.3	6
28	A non-targeted data processing workflow for volatile organic compound data acquired using comprehensive two-dimensional gas chromatography with dual channel detection. MethodsX, 2020, 7, 101009.	0.7	6
29	Pilot Study on Exhaled Breath Analysis for a Healthy Adult Population in Hawaii. Molecules, 2021, 26, 3726.	1.7	4
30	The volatile organic compound profile from Cimex lectularius in relation to bed bug detection canines. Forensic Chemistry, 2020, 18, 100214.	1.7	3
31	Investigating volatiles as the secondary metabolome of Piper methysticum from root powder and water extracts using comprehensive two-dimensional gas chromatography. Journal of Ethnopharmacology, 2022, 294, 115346.	2.0	3
32	Biochemical methods of estimating time since death. , 2020, , 29-55.		0