

# Katelynn Amanda Perrault

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

983  
citations

393982

19  
h-index

433756

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating volatiles as the secondary metabolome of Piper methysticum from root powder and water extracts using comprehensive two-dimensional gas chromatography. <i>Journal of Ethnopharmacology</i> , 2022, 294, 115346.	2.0	3
2	Pilot Study on Exhaled Breath Analysis for a Healthy Adult Population in Hawaii. <i>Molecules</i> , 2021, 26, 3726.	1.7	4
3	Volatile Organic Compound Profiling from Postmortem Microbes using Gas Chromatography–Mass Spectrometry. <i>Journal of Forensic Sciences</i> , 2020, 65, 134-143.	0.9	25
4	The volatile organic compound profile from <i>Cimex lectularius</i> in relation to bed bug detection canines. <i>Forensic Chemistry</i> , 2020, 18, 100214.	1.7	3
5	A non-targeted data processing workflow for volatile organic compound data acquired using comprehensive two-dimensional gas chromatography with dual channel detection. <i>MethodsX</i> , 2020, 7, 101009.	0.7	6
6	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. <i>Analytical Chemistry</i> , 2020, 92, 10091-10098.	3.2	14
7	Biochemical methods of estimating time since death. , 2020, , 29-55.		0
8	Comprehensive Approach for Monitoring Human Tissue Degradation. <i>Chromatographia</i> , 2019, 82, 857-871.	0.7	13
9	Characterizing decomposition odor from soil and adipocere samples at a death scene using HS-SPME-GC–GC-HRTOFMS. <i>Forensic Chemistry</i> , 2018, 8, 11-20.	1.7	23
10	Characterization of hafting adhesives using comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry. <i>Separation Science Plus</i> , 2018, 1, 726-737.	0.3	6
11	Sampling Dynamics for Volatile Organic Compounds Using Headspace Solid-Phase Microextraction Arrow for Microbiological Samples. <i>Separations</i> , 2018, 5, 45.	1.1	16
12	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. <i>Journal of Chromatography A</i> , 2017, 1501, 117-127.	1.8	55
13	Advanced method optimization for volatile aroma profiling of beer using two-dimensional gas chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1507, 45-52.	1.8	76
14	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. <i>BioScience</i> , 2017, 67, 600-613.	2.2	53
15	A minimally-invasive method for profiling volatile organic compounds within postmortem internal gas reservoirs. <i>International Journal of Legal Medicine</i> , 2017, 131, 1271-1281.	1.2	13
16	A New Approach for the Characterization of Organic Residues from Stone Tools Using GC–GC-TOFMS. <i>Separations</i> , 2016, 3, 16.	1.1	19
17	Postmortem Internal Gas Reservoir Monitoring Using GC–GC-HRTOF-MS. <i>Separations</i> , 2016, 3, 24.	1.1	19
18	Elemental analysis of soil and vegetation surrounding decomposing human analogues. <i>Journal of the Canadian Society of Forensic Science</i> , 2016, 49, 138-151.	0.7	16

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19	Establishing the volatile profile of pig carcasses as analogues for human decomposition during the early postmortem period. <i>Heliyon</i> , 2016, 2, e00070.	1.4	53
20	Profiling the decomposition odour at the grave surface before and after probing. <i>Forensic Science International</i> , 2016, 259, 193-199.	1.3	26
21	Reducing variation in decomposition odour profiling using comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2015, 38, 73-80.	1.3	42
22	Fast Chromatographic Method for Explosive Profiling. <i>Chromatography (Basel)</i> , 2015, 2, 213-224.	1.2	31
23	A Comparison of One-Dimensional and Comprehensive Two-Dimensional Gas Chromatography for Decomposition Odour Profiling Using Inter-Year Replicate Field Trials. <i>Chromatographia</i> , 2015, 78, 1057-1070.	0.7	45
24	Seasonal comparison of carrion volatiles in decomposition soil using comprehensive two-dimensional gas chromatography – time of flight mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 690-698.	1.3	35
25	Exploring new dimensions in cadaveric decomposition odour analysis. <i>Analytical Methods</i> , 2015, 7, 2287-2294.	1.3	52
26	GC-MS-TOFMS and supervised multivariate approaches to study human cadaveric decomposition olfactive signatures. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4767-4778.	1.9	59
27	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.	0.6	31
28	A Longitudinal Study of Decomposition Odour in Soil Using Sorbent Tubes and Solid Phase Microextraction. <i>Chromatography (Basel)</i> , 2014, 1, 120-140.	1.2	36
29	Effect of age and storage conditions on the volatile organic compound profile of blood. <i>Forensic Science, Medicine, and Pathology</i> , 2014, 10, 570-582.	0.6	38
30	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. <i>ChemPlusChem</i> , 2014, 79, 786-789.	1.3	31
31	Decomposition Odour Profiling in the Air and Soil Surrounding Vertebrate Carrion. <i>PLoS ONE</i> , 2014, 9, e95107.	1.1	76
32	Comparison of the Decomposition VOC Profile during Winter and Summer in a Moist, Mid-Latitude (Cfb) Climate. <i>PLoS ONE</i> , 2014, 9, e113681.	1.1	64