

Shari L Forbes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

2,500
citations

27
h-index

44
g-index

133
ext. papers

2,867
ext. citations

2.8
avg, IF

5.38
L-index

#	Paper	IF	Citations
126	Review of human decomposition processes in soil. <i>Environmental Geology</i> , 2004 , 45, 576-585		256
125	The effect of the burial environment on adipocere formation. <i>Forensic Science International</i> , 2005 , 154, 24-34	2.6	108
124	The biochemical alteration of soil beneath a decomposing carcass. <i>Forensic Science International</i> , 2008 , 180, 70-5	2.6	96
123	The effect of soil type on adipocere formation. <i>Forensic Science International</i> , 2005 , 154, 35-43	2.6	93
122	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	7.8	85
121	The effect of the method of burial on adipocere formation. <i>Forensic Science International</i> , 2005 , 154, 44-52	2.6	71
120	Decomposition odour profiling in the air and soil surrounding vertebrate carrion. <i>PLoS ONE</i> , 2014 , 9, e95107	3.7	59
119	A Preliminary Investigation of the Stages of Adipocere Formation. <i>Journal of Forensic Sciences</i> , 2004 , 49, 1-9	1.8	59
118	The identification of adipocere in grave soils. <i>Forensic Science International</i> , 2002 , 127, 225-230	2.6	58
117	Decomposition and insect succession on cadavers inside a vehicle environment. <i>Forensic Science, Medicine, and Pathology</i> , 2008 , 4, 22-32	1.5	57
116	Analytical separations of mammalian decomposition products for forensic science: a review. <i>Analytica Chimica Acta</i> , 2010 , 682, 9-22	6.6	55
115	GC-TOFMS and supervised multivariate approaches to study human cadaveric decomposition olfactive signatures. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4767-78	4.4	48
114	Exploring new dimensions in cadaveric decomposition odour analysis. <i>Analytical Methods</i> , 2015 , 7, 2287-2294	3.2	48
113	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, 202-6	4.5	47
112	Measurement of ninhydrin reactive nitrogen influx into gravesoil during aboveground and belowground carcass (<i>Sus domesticus</i>) decomposition. <i>Forensic Science International</i> , 2009 , 193, 37-41	2.6	44
111	Comparison of the decomposition VOC profile during winter and summer in a moist, mid-latitude (Cfb) climate. <i>PLoS ONE</i> , 2014 , 9, e113681	3.7	44
110	Studies of adipocere using diffuse reflectance infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2000 , 24, 233-242	2.1	40

109	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	2.1	38
108	Reducing variation in decomposition odour profiling using comprehensive two-dimensional gas chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 73-80	3.4	36
107	Human versus animal: contrasting decomposition dynamics of mammalian analogues in experimental taphonomy. <i>Journal of Forensic Sciences</i> , 2013 , 58, 583-91	1.8	36
106	A capillary electrophoresis method for the determination of selected biogenic amines and amino acids in mammalian decomposition fluid. <i>Talanta</i> , 2010 , 81, 1697-702	6.2	36
105	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. <i>BioScience</i> , 2017 , 67, 600-613	5.7	34
104	A gas chromatography-mass spectrometry method for the detection of adipocere in grave soils. <i>European Journal of Lipid Science and Technology</i> , 2003 , 105, 761-768	3	33
103	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	3.2	32
102	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. <i>ChemPlusChem</i> , 2014 , 79, 786-789	3.8	30
101	Freezing skeletal muscle tissue does not affect its decomposition in soil: evidence from temporal changes in tissue mass, microbial activity and soil chemistry based on excised samples. <i>Forensic Science International</i> , 2009 , 183, 6-13	2.6	29
100	A Longitudinal Study of Decomposition Odour in Soil Using Sorbent Tubes and Solid Phase Microextraction. <i>Chromatography (Basel)</i> , 2014 , 1, 120-140		28
99	Preliminary studies into the characterization of chemical markers of decomposition for geoforensics. <i>Journal of Forensic Sciences</i> , 2010 , 55, 308-14	1.8	27
98	Search protocols for hidden forensic objects beneath floors and within walls. <i>Forensic Science International</i> , 2014 , 237, 137-45	2.6	26
97	Fast Chromatographic Method for Explosive Profiling. <i>Chromatography (Basel)</i> , 2015 , 2, 213-224		26
96	Decomposition Chemistry in a Burial Environment 2008 , 203-223		26
95	Effect of age and storage conditions on the volatile organic compound profile of blood. <i>Forensic Science, Medicine, and Pathology</i> , 2014 , 10, 570-82	1.5	25
94	Examination of adipocere formation in a cold water environment. <i>International Journal of Legal Medicine</i> , 2011 , 125, 643-50	3.1	25
93	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, 376-87	1.5	24
92	Forensically significant scavenging guilds in the southwest of Western Australia. <i>Forensic Science International</i> , 2010 , 198, 85-91	2.6	23

91	TG-MS characterisation of pig bone in an inert atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 405-409	4.1	23
90	Observations of the temporal variation in chemical content of decomposition fluid: A preliminary study using pigs as a model system. <i>Australian Journal of Forensic Sciences</i> , 2010 , 42, 199-210	1.1	22
89	A preliminary investigation into the scavenging activity on pig carcasses in Western Australia. <i>Forensic Science, Medicine, and Pathology</i> , 2007 , 3, 194-9	1.5	22
88	A comparison of human and pig decomposition rates and odour profiles in an Australian environment. <i>Australian Journal of Forensic Sciences</i> , 2019 , 51, 557-572	1.1	22
87	Profiling the decomposition odour at the grave surface before and after probing. <i>Forensic Science International</i> , 2016 , 259, 193-9	2.6	21
86	The influence of ageing and surface type on the odour profile of blood-detection dog training aids. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6349-60	4.4	21
85	An initial investigation into the ecology of culturable aerobic postmortem bacteria. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2015 , 55, 394-401	2	20
84	Inter-year repeatability study of volatile organic compounds from surface decomposition of human analogues. <i>International Journal of Legal Medicine</i> , 2015 , 129, 641-50	3.1	20
83	Estimating post-mortem interval using accumulated degree-days and a degree of decomposition index in Australia: a validation study. <i>Australian Journal of Forensic Sciences</i> , 2016 , 48, 24-36	1.1	19
82	TG-MS analysis of the thermal decomposition of pig bone for forensic applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 87-90	4.1	19
81	The analysis of textiles associated with decomposing remains as a natural training aid for cadaver-detection dogs. <i>Forensic Chemistry</i> , 2017 , 5, 33-45	2.8	18
80	The effect of soil texture on the degradation of textiles associated with buried bodies. <i>Forensic Science International</i> , 2013 , 231, 331-9	2.6	16
79	Characterization of Adipocere Formation in Animal Species. <i>Journal of Forensic Sciences</i> , 2005 , 50, 1-8	1.8	16
78	Forensic decomposition odour profiling: A review of experimental designs and analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 91, 112-124	14.6	15
77	Achieving a Near-Theoretical Maximum in Peak Capacity Gain for the Forensic Analysis of Ignitable Liquids Using GC-TOFMS. <i>Separations</i> , 2016 , 3, 26	3.1	15
76	Monitoring the extent of vertical and lateral movement of human decomposition products through sediment using cholesterol as a biomarker. <i>Forensic Science International</i> , 2018 , 285, 93-104	2.6	13
75	An Investigation of the Vegetation Associated with Grave Sites in Southern Ontario. <i>Journal of the Canadian Society of Forensic Science</i> , 2008 , 41, 199-207	0.5	13
74	Global developments in forensic geology. <i>Episodes</i> , 2017 , 40, 120-131	1.6	13

73	The Taphonomy of Natural Mummies 2017 , 101-119		12
72	Degradation patterns of natural and synthetic textiles on a soil surface during summer and winter seasons studied using ATR-FTIR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 185, 69-76	4.4	12
71	The interactive effect of the degradation of cotton clothing and decomposition fluid production associated with decaying remains. <i>Forensic Science International</i> , 2015 , 255, 56-63	2.6	12
70	New decomposition stages to describe scenarios involving the partial and complete exclusion of insects. <i>Journal of the Canadian Society of Forensic Science</i> , 2015 , 48, 1-19	0.5	12
69	Electronic Nose-Based Odor Classification using Genetic Algorithms and Fuzzy Support Vector Machines. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 1309-1320	3.6	12
68	Bacterial populations associated with early-stage adipocere formation in lacustrine waters. <i>International Journal of Legal Medicine</i> , 2014 , 128, 379-87	3.1	12
67	Body farms. <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 477-479	1.5	11
66	A data-driven meat freshness monitoring and evaluation method using rapid centroid estimation and hidden Markov models. <i>Sensors and Actuators B: Chemical</i> , 2020 , 311, 127868	8.5	11
65	Profiling the scent of weathered training aids for blood-detection dogs. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018 , 58, 98-108	2	11
64	Postmortem and Postburial Interval of Buried Remains 2008 , 225-246		11
63	A preliminary investigation of the stages of adipocere formation. <i>Journal of Forensic Sciences</i> , 2004 , 49, 566-74	1.8	11
62	Decomposition in Aquatic Environments 2017 , 235-250		10
61	A sponsorship action plan for increasing diversity in STEMM. <i>Ecology and Evolution</i> , 2019 , 9, 2340-2345	2.8	10
60	Investigation of sterols as potential biomarkers for the detection of pig (<i>S. s. domesticus</i>) decomposition fluid in soils. <i>Forensic Science International</i> , 2013 , 230, 68-73	2.6	10
59	A rapid chemical odour profiling method for the identification of rhinoceros horns. <i>Forensic Science International</i> , 2016 , 266, e99-e102	2.6	10
58	A novel data pre-processing method for odour detection and identification system. <i>Sensors and Actuators A: Physical</i> , 2019 , 287, 113-120	3.9	10
57	Decomposition Studies Using Animal Models in Contrasting Environments: Evidence from Temporal Changes in Soil Chemistry and Microbial Activity 2009 , 357-377		10
56	A novel multi-odour identification by electronic nose using non-parametric modelling-based feature extraction and time-series classification. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126690	8.5	9

55	Elemental analysis of soil and vegetation surrounding decomposing human analogues. <i>Journal of the Canadian Society of Forensic Science</i> , 2016 , 49, 138-151	0.5	9
54	Degradation of Clothing in Depositional Environments 2017 , 120-133		8
53	Comparison of taphonomic progression due to the necrophagic activity of geographically disparate scavenging guilds. <i>Journal of the Canadian Society of Forensic Science</i> , 2017 , 50, 42-53	0.5	8
52	Design of an efficient electronic nose system for odour analysis and assessment. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 165, 108089	4.6	8
51	The validation of UniversalPMI methods for the estimation of time since death in temperate Australian climates. <i>Forensic Science International</i> , 2018 , 291, 158-166	2.6	8
50	Profiling Volatilomes: A Novel Forensic Method for Identification of Confiscated Illegal Wildlife Items. <i>Separations</i> , 2020 , 7, 5	3.1	7
49	Using PMCT of Individuals of Known Age to Test the Suchey-Brooks Method of Aging in Victoria, Australia. <i>Journal of Forensic Sciences</i> , 2019 , 64, 1782-1787	1.8	7
48	Detection of fatty acids in the lateral extent of the cadaver decomposition island. <i>Geological Society Special Publication</i> , 2013 , 384, 209-219	1.7	7
47	Time Since Death: A Novel Approach to Dating Skeletal Remains. <i>Australian Journal of Forensic Sciences</i> , 2004 , 36, 67-72	1.1	7
46	History and Development of the First Anthropology Research Facility, Knoxville, Tennessee 2017 , 461-475		6
45	Post-mortem detection of gasoline residues in lung tissue and heart blood of fire victims. <i>International Journal of Legal Medicine</i> , 2013 , 127, 923-30	3.1	6
44	A study of adipocere in soil collected from a field leaching study. <i>Australian Journal of Forensic Sciences</i> , 2011 , 43, 3-11	1.1	6
43	Investigating the detection limits of scent-detection dogs to residual blood odour on clothing. <i>Forensic Chemistry</i> , 2018 , 9, 62-75	2.8	6
42	The impact of carrion decomposition on the fatty acid methyl ester (FAME) profiles of soil microbial communities in southern Canada. <i>Journal of the Canadian Society of Forensic Science</i> , 2016 , 49, 1-18	0.5	5
41	A study to model the post-mortem stability of 4-MMC, MDMA and BZP in putrefying remains. <i>Forensic Science International</i> , 2016 , 265, 54-60	2.6	5
40	Microscopic Post-Mortem Changes: the Chemistry of Decomposition 2017 , 26-38		4
39	The analysis of nitrate explosive vapour samples using Lab-on-a-chip instrumentation. <i>Journal of Chromatography A</i> , 2019 , 1602, 467-473	4.5	4
38	The Soil Environment and Forensic Entomology 2009 , 407-426		4

37	Revolution in death sciences: body farms and taphonomics blooming. A review investigating the advantages, ethical and legal aspects in a Swiss context. <i>International Journal of Legal Medicine</i> , 2020 , 134, 1875-1895	3.1	4
36	Fresh vs. frozen human decomposition DA preliminary investigation of lipid degradation products as biomarkers of post-mortem interval. <i>Forensic Chemistry</i> , 2021 , 24, 100335	2.8	4
35	Arid Climate Adipocere-The Importance of Microenvironment. <i>Journal of Forensic Sciences</i> , 2020 , 65, 327-329	1.8	4
34	Decomposition process and arthropod succession on pig carcasses in Quebec (Canada). <i>Journal of the Canadian Society of Forensic Science</i> , 2021 , 54, 1-26	0.5	4
33	Relationships between Human Remains, Graves and the Depositional Environment 2017 , 143-154		3
32	Volatile organic compound analysis of accelerant detection canine distractor odours. <i>Forensic Science International</i> , 2019 , 303, 109953	2.6	3
31	Profiling the seasonal variability of decomposition odour from human remains in a temperate Australian environment. <i>Australian Journal of Forensic Sciences</i> , 2020 , 52, 654-664	1.1	3
30	Detecting grave sites from surface anomalies: A longitudinal study in an Australian woodland. <i>Journal of Forensic Sciences</i> , 2021 , 66, 479-490	1.8	3
29	Seasonal variation of fatty acid profiles from textiles associated with decomposing pig remains in a temperate Australian environment. <i>Forensic Chemistry</i> , 2018 , 11, 120-127	2.8	3
28	Developing a Method for the Collection and Analysis of Burnt Remains for the Detection and Identification of Ignitable Liquid Residues Using Body Bags, Dynamic Headspace Sampling, and TD-GC/C-TOFMS. <i>Separations</i> , 2018 , 5, 46	3.1	3
27	NOS.E: A New Fast Response Electronic Nose Health Monitoring System. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 4977-4980	0.9	3
26	Gross Post-Mortem Changes in the Human Body 2017 , 9-25		2
25	Ground penetrating radar use in three contrasting soil textures in southern Ontario. <i>Geological Society Special Publication</i> , 2013 , 384, 221-228	1.7	2
24	Locating Buried Canine Remains Using Ground Penetrating Radar. <i>Journal of the Canadian Society of Forensic Science</i> , 2013 , 46, 51-58	0.5	2
23	Analysis of Decomposition Fluid Collected from Carcasses Decomposing in the Presence and Absence of Insects. <i>Soil Forensics</i> , 2016 , 275-296		2
22	Recent advances in the estimation of post-mortem interval in forensic taphonomy. <i>Australian Journal of Forensic Sciences</i> , 2020 , 52, 107-123	1.1	2
21	Post-Mortem Differential Preservation and its Utility in Interpreting Forensic and Archaeological Mass Burials 2017 , 251-276		1
20	Forensic Entomology Case Studies from Mexico 2017 , 410-419		1

19	Profiling Volatile Organic Compounds of Decomposition 2017 , 39-52		1
18	Perspectives on the establishment of a canadian human taphonomic facility: The experience of REST[ES]. <i>Forensic Science International (Online)</i> , 2020 , 2, 287-292	1.9	1
17	Cadaver-detection dogs: A review of their capabilities and the volatile organic compound profile of their associated training aids. <i>Wiley Interdisciplinary Reviews Forensic Science</i> , 2020 ,	2.6	1
16	Application of a Microfluidic Gas-to-Liquid Interface for Extraction of Target Amphetamines and Precursors from Air Samples. <i>Micromachines</i> , 2020 , 11,	3.3	1
15	The Use of Electronic Nose for the Classification of Blended and Single Malt Scotch Whisky. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	1
14	Sample Preparation 2021 , 71-108		1
13	The taphonomic impact of scavenger guilds in southern Quebec during summer and fall in two distinct habitats. <i>Journal of Forensic Sciences</i> , 2021 ,	1.8	1
12	Forensic Analysis of Volatile Organic Compounds from Decomposed Remains in a Soil Environment. <i>Soil Forensics</i> , 2016 , 297-316		1
11	Detecting volatile organic compounds to locate human remains in a simulated collapsed building. <i>Forensic Science International</i> , 2021 , 323, 110781	2.6	1
10	A Multiscale Wavelet Kernel Regularization-Based Feature Extraction Method for Electronic Nose. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-12	7.3	1
9	The Effects of Terrestrial Mammalian Scavenging and Avian Scavenging on the Body 2017 , 212-234		0
8	Saponified Brains of the Spanish Civil War 2017 , 429-437		0
7	Understanding clothed buried remains: the analysis of decomposition fluids and their influence on clothing in model burial environments. <i>Forensic Science, Medicine, and Pathology</i> , 2019 , 15, 3-12	1.5	0
6	Overwintering behaviour of the skipper fly (Diptera: Piophilidae) of forensic importance in Québec, Canada. <i>Canadian Entomologist</i> , 2021 , 153, 172-180	0.7	0
5	Concealing the Crime: the Effects of Chemicals on Human Tissues 2017 , 335-351		
4	Case Studies on Taphonomic Variation between Cemetery Burials 2017 , 402-409		
3	TSD estimation in the advanced stages of decomposition 2020 , 81-107		
2	Changes in Soil Microbial Activity Following Cadaver Decomposition During Spring and Summer Months in Southern Ontario. <i>Soil Forensics</i> , 2016 , 243-262		

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