

Shari L Forbes

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

3,284
citations

159358

30
h-index

189595

50
g-index

133
all docs

133
docs citations

133
times ranked

1674
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of human decomposition processes in soil. <i>Environmental Geology</i> , 2004, 45, 576-585.	1.2	320
2	The biochemical alteration of soil beneath a decomposing carcass. <i>Forensic Science International</i> , 2008, 180, 70-75.	1.3	125
3	The effect of the burial environment on adipocere formation. <i>Forensic Science International</i> , 2005, 154, 24-34.	1.3	123
4	The effect of soil type on adipocere formation. <i>Forensic Science International</i> , 2005, 154, 35-43.	1.3	108
5	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.	3.2	106
6	The effect of the method of burial on adipocere formation. <i>Forensic Science International</i> , 2005, 154, 44-52.	1.3	86
7	Decomposition Odour Profiling in the Air and Soil Surrounding Vertebrate Carrion. <i>PLoS ONE</i> , 2014, 9, e95107.	1.1	76
8	Decomposition and insect succession on cadavers inside a vehicle environment. <i>Forensic Science, Medicine, and Pathology</i> , 2008, 4, 22-32.	0.6	71
9	A Preliminary Investigation of the Stages of Adipocere Formation. <i>Journal of Forensic Sciences</i> , 2004, 49, 1-9.	0.9	69
10	The identification of adipocere in grave soils. <i>Forensic Science International</i> , 2002, 127, 225-230.	1.3	67
11	Analytical separations of mammalian decomposition products for forensic science: A review. <i>Analytica Chimica Acta</i> , 2010, 682, 9-22.	2.6	66
12	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
13	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
14	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.	1.8	55
15	The Odor of Death: An Overview of Current Knowledge on Characterization and Applications. <i>BioScience</i> , 2017, 67, 600-613.	2.2	53
16	Exploring new dimensions in cadaveric decomposition odour analysis. <i>Analytical Methods</i> , 2015, 7, 2287-2294.	1.3	52
17	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.	1.3	47
18	Human Versus Animal: Contrasting Decomposition Dynamics of Mammalian Analogues in Experimental Taphonomy. <i>Journal of Forensic Sciences</i> , 2013, 58, 583-591.	0.9	45

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19	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
20	Studies of adipocere using diffuse reflectance infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2000, 24, 233-242.	1.2	43
21	Search protocols for hidden forensic objects beneath floors and within walls. <i>Forensic Science International</i> , 2014, 237, 137-145.	1.3	42
22	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
23	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.	0.7	41
24	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.	1.3	40
25	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.	1.0	39
26	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
27	A capillary electrophoresis method for the determination of selected biogenic amines and amino acids in mammalian decomposition fluid. <i>Talanta</i> , 2010, 81, 1697-1702.	2.9	37
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	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
30	Forensically significant scavenging guilds in the southwest of Western Australia. <i>Forensic Science International</i> , 2010, 198, 85-91.	1.3	34
31	Decomposition Chemistry in a Burial Environment. , 2008, , 203-223.		32
32	Preliminary Studies into the Characterization of Chemical Markers of Decomposition for Geoforensics*. <i>Journal of Forensic Sciences</i> , 2010, 55, 308-314.	0.9	31
33	Reading Cadaveric Decomposition Chemistry with a New Pair of Glasses. <i>ChemPlusChem</i> , 2014, 79, 786-789.	1.3	31
34	Fast Chromatographic Method for Explosive Profiling. <i>Chromatography (Basel)</i> , 2015, 2, 213-224.	1.2	31
35	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
36	A preliminary investigation into the scavenging activity on pig carcasses in Western Australia. <i>Forensic Science, Medicine, and Pathology</i> , 2007, 3, 194-199.	0.6	29

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37	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.	1.3	28
38	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, 6349-6360.	1.9	28
39	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.	0.7	28
40	Examination of adipocere formation in a cold water environment. <i>International Journal of Legal Medicine</i> , 2011, 125, 643-650.	1.2	27
41	Achieving a Near-Theoretical Maximum in Peak Capacity Gain for the Forensic Analysis of Ignitable Liquids Using GC _A –GC-TOFMS. <i>Separations</i> , 2016, 3, 26.	1.1	26
42	Profiling the decomposition odour at the grave surface before and after probing. <i>Forensic Science International</i> , 2016, 259, 193-199.	1.3	26
43	TG-MS characterisation of pig bone in an inert atmosphere. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 88, 405-409.	2.0	25
44	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.	1.7	25
45	Inter-year repeatability study of volatile organic compounds from surface decomposition of human analogues. <i>International Journal of Legal Medicine</i> , 2015, 129, 641-650.	1.2	24
46	Forensic decomposition odour profiling: A review of experimental designs and analytical techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 112-124.	5.8	24
47	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.	4.0	24
48	The effect of soil texture on the degradation of textiles associated with buried bodies. <i>Forensic Science International</i> , 2013, 231, 331-339.	1.3	23
49	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.	0.7	22
50	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.	2.0	21
51	Body farms. <i>Forensic Science, Medicine, and Pathology</i> , 2017, 13, 477-479.	0.6	21
52	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.	2.0	20
53	Electronic Nose-Based Odor Classification using Genetic Algorithms and Fuzzy Support Vector Machines. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 1309-1320.	2.3	19
54	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.	4.0	19

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55	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.	0.7	18
56	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.	1.3	18
57	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.	1.3	18
58	The validation of "universal" PMI methods for the estimation of time since death in temperate Australian climates. <i>Forensic Science International</i> , 2018, 291, 158-166.	1.3	18
59	Characterization of Adipocere Formation in Animal Species. <i>Journal of Forensic Sciences</i> , 2005, 50, 1-8.	0.9	18
60	Bacterial populations associated with early-stage adipocere formation in lacustrine waters. <i>International Journal of Legal Medicine</i> , 2014, 128, 379-387.	1.2	17
61	A sponsorship action plan for increasing diversity in STEMM. <i>Ecology and Evolution</i> , 2019, 9, 2340-2345.	0.8	17
62	A novel data pre-processing method for odour detection and identification system. <i>Sensors and Actuators A: Physical</i> , 2019, 287, 113-120.	2.0	17
63	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
64	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.	0.9	16
65	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.	1.3	15
66	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.	1.3	15
67	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.	0.7	15
68	Global developments in forensic geology. <i>Episodes</i> , 2017, 40, 120-131.	0.8	15
69	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.	0.7	14
70	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.	0.7	14
71	Detecting volatile organic compounds to locate human remains in a simulated collapsed building. <i>Forensic Science International</i> , 2021, 323, 110781.	1.3	14
72	Design of an efficient electronic nose system for odour analysis and assessment. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108089.	2.5	13

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73	Investigating the detection limits of scent-detection dogs to residual blood odour on clothing. <i>Forensic Chemistry</i> , 2018, 9, 62-75.	1.7	12
74	Decomposition Studies Using Animal Models in Contrasting Environments: Evidence from Temporal Changes in Soil Chemistry and Microbial Activity. , 2009, , 357-377.		12
75	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.	1.2	12
76	The Use of Electronic Nose for the Classification of Blended and Single Malt Scotch Whisky. <i>IEEE Sensors Journal</i> , 2022, 22, 7015-7021.	2.4	12
77	Postmortem and Postburial Interval of Buried Remains. , 2008, , 225-246.		11
78	A preliminary investigation of the stages of adipocere formation. <i>Journal of Forensic Sciences</i> , 2004, 49, 566-74.	0.9	11
79	A rapid chemical odour profiling method for the identification of rhinoceros horns. <i>Forensic Science International</i> , 2016, 266, e99-e102.	1.3	10
80	Fresh vs. frozen human decomposition – A preliminary investigation of lipid degradation products as biomarkers of post-mortem interval. <i>Forensic Chemistry</i> , 2021, 24, 100335.	1.7	10
81	Detection of fatty acids in the lateral extent of the cadaver decomposition island. <i>Geological Society Special Publication</i> , 2013, 384, 209-219.	0.8	9
82	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.	0.7	9
83	Recent advances in the estimation of post-mortem interval in forensic taphonomy. <i>Australian Journal of Forensic Sciences</i> , 2020, 52, 107-123.	0.7	9
84	Time Since Death: A Novel Approach to Dating Skeletal Remains. <i>Australian Journal of Forensic Sciences</i> , 2004, 36, 67-72.	0.7	8
85	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.	0.6	8
86	Profiling Volatilomes: A Novel Forensic Method for Identification of Confiscated Illegal Wildlife Items. <i>Separations</i> , 2020, 7, 5.	1.1	8
87	A study of adipocere in soil collected from a field leaching study. <i>Australian Journal of Forensic Sciences</i> , 2011, 43, 3-11.	0.7	7
88	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.	1.7	7
89	The analysis of nitrate explosive vapour samples using Lab-on-a-chip instrumentation. <i>Journal of Chromatography A</i> , 2019, 1602, 467-473.	1.8	7
90	Arid Climate Adipocere – The Importance of Microenvironment. <i>Journal of Forensic Sciences</i> , 2020, 65, 327-329.	0.9	7

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91	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.	0.7	7
92	Post-mortem detection of gasoline residues in lung tissue and heart blood of fire victims. <i>International Journal of Legal Medicine</i> , 2013, 127, 923-930.	1.2	6
93	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.	1.3	6
94	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, , .	1.2	6
95	Detecting grave sites from surface anomalies: A longitudinal study in an Australian woodland. <i>Journal of Forensic Sciences</i> , 2021, 66, 479-490.	0.9	6
96	Volatile organic compound analysis of accelerant detection canine distractor odours. <i>Forensic Science International</i> , 2019, 303, 109953.	1.3	5
97	A Multiscale Wavelet Kernel Regularization-Based Feature Extraction Method for Electronic Nose. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 7078-7089.	5.9	5
98	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-MS. <i>Separations</i> , 2018, 5, 46.	1.1	4
99	NOS.E: A New Fast Response Electronic Nose Health Monitoring System. , 2018, 2018, 4977-4980.		4
100	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.	0.6	4
101	The Soil Environment and Forensic Entomology. , 2009, , 407-426.		4
102	Ground penetrating radar use in three contrasting soil textures in southern Ontario. <i>Geological Society Special Publication</i> , 2013, 384, 221-228.	0.8	3
103	Application of a Microfluidic Gas-to-Liquid Interface for Extraction of Target Amphetamines and Precursors from Air Samples. <i>Micromachines</i> , 2020, 11, 315.	1.4	3
104	The taphonomic impact of scavenger guilds in southern Quebec during summer and fall in two distinct habitats. <i>Journal of Forensic Sciences</i> , 2022, 67, 460-470.	0.9	3
105	Locating Buried Canine Remains Using Ground Penetrating Radar. <i>Journal of the Canadian Society of Forensic Science</i> , 2013, 46, 51-58.	0.7	2
106	Overwintering behaviour of the skipper fly (Diptera: Piophilidae) of forensic importance in QuÃ©bec, Canada. <i>Canadian Entomologist</i> , 2021, 153, 172-180.	0.4	2
107	Analysis of Decomposition Fluid Collected from Carcasses Decomposing in the Presence and Absence of Insects. <i>Soil Forensics</i> , 2016, , 275-296.	0.2	2
108	Forensic Analysis of Volatile Organic Compounds from Decomposed Remains in a Soil Environment. <i>Soil Forensics</i> , 2016, , 297-316.	0.2	2

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109	The Soil Environment and Forensic Entomology. , 2019, , 269-286.		1
110	Validating the Use of Amputated Limbs Used as Cadaver Detection Dog Training Aids. Frontiers in Analytical Science, 0, 2, .	1.1	1
111	Changes in Soil Microbial Activity Following Cadaver Decomposition During Spring and Summer Months in Southern Ontario. Soil Forensics, 2016, , 243-262.	0.2	0
112	TSD estimation in the advanced stages of decomposition. , 2020, , 81-107.		0
113	Taphonomy in Bioarchaeology and Human Osteology. , 2018, , 1-7.		0
114	Time Since Death in Bioarchaeology and Human Osteology. , 2018, , 1-6.		0
115	Taphonomy in Bioarchaeology and Human Osteology. , 2020, , 10495-10502.		0
116	Time Since Death in Bioarchaeology and Human Osteology. , 2020, , 10620-10625.		0