Ruth M Morgan

List of Publications by Year in Descending Order

93 papers	1,394 citations	20 h-index	32 g-index
99 ext. papers	1,678 ext. citations	2.2 avg, IF	5.29 L-index

#	Paper	IF	Citations
93	The impact of force, time, and rotation on the transfer of ammonium nitrate: A reductionist approach to understanding evidence dynamics.. *Science and Justice - Journal of the Forensic Science Society*, **2022**, 62, 129-136	2	1
92	An investigation into the accuracy of follow-on GPRS/mobile data CDRs.. *Science and Justice - Journal of the Forensic Science Society*, **2022**, 62, 203-213	2	1
91	A multi-method assessment of 3D printed micromorphological osteological features.. *International Journal of Legal Medicine*, **2022**, 1	3.1	0
90	Trace evidence dynamics of cocaine on banknotes: A comparison study of paper and polymer banknotes.. *Science and Justice - Journal of the Forensic Science Society*, **2022**, 62, 221-228	2	1
89	Freshwater diatom persistence on clothing I: A quantitative assessment of trace evidence dynamics over time. *Forensic Science International*, **2021**, 325, 110898	2.6	1
88	Freshwater diatom persistence on clothing II: Further analysis of species assemblage dynamics over investigative timescales. *Forensic Science International*, **2021**, 326, 110897	2.6	0
87	Stress and support in the workplace: The perspective of forensic examiners. *Forensic Science International: Mind and Law*, **2021**, 2, 100059	0.9	2
86	Suitability of 3D printing cranial trauma: Prospective novel applications and limitations of 3D replicas. *Forensic Science International: Reports*, **2021**, 4, 100218	1.9	1
85	Experimental assessment of the surface quality of 3D printed bones. *Australian Journal of Forensic Sciences*, **2020**, 1-18	1.1	4
84	The impact of evidence lineups on fingerprint expert decisions. *Applied Cognitive Psychology*, **2020**, 34, 1143-1153	2.1	3
83	Conceptualising, evaluating and communicating uncertainty in forensic science: Identifying commonly used tools through an interdisciplinary configurative review. *Science and Justice - Journal of the Forensic Science Society*, **2020**, 60, 313-336	2	2
82	Crime reconstruction and the role of trace materials from crime scene to court. *Wiley Interdisciplinary Reviews Forensic Science*, **2020**, 2,	2.6	3
81	A cultural change to enable improved decision-making in forensic science: A six phased approach. *Science and Justice - Journal of the Forensic Science Society*, **2020**, 60, 9-19	2	12
80	Increasing the accessibility and impact of justice-related student and practitioner research. *Forensic Science International (Online)*, **2020**, 2, 60-71	1.9	2
79	A step-by-step method for producing 3D crania models from CT data. *Forensic Imaging*, **2020**, 23, 200404	0.6	6
78	Cognitive bias in sex estimation: The influence of context on forensic decision-making **2020**, 327-342		
77	Organizational and Human Factors Affecting Forensic Decision-Making: Workplace Stress and Feedback. *Journal of Forensic Sciences*, **2020**, 65, 1968-1977	1.8	4

76	The utility of three-dimensional models of paranasal sinuses to establish age, sex, and ancestry across three modern populations: A preliminary study. *Australian Journal of Forensic Sciences*, **2020**, 1-20	1.1	3
75	Persistence of transferred fragrance on fabrics for forensic reconstruction applications. *Science and Justice - Journal of the Forensic Science Society*, **2020**, 60, 53-62	2	5
74	The value of eye-tracking technology in the analysis and interpretations of skeletal remains: A pilot study. *Science and Justice - Journal of the Forensic Science Society*, **2020**, 60, 36-42	2	2
73	Forensic science. The importance of identity in theory and practice. *Forensic Science International (Online)*, **2019**, 1, 239-242	1.9	3
72	The forensic disclosure model: What should be disclosed to, and by, forensic experts?. *International Journal of Law, Crime and Justice*, **2019**, 59, 100330	0.9	12
71	Opportunistic crimes: Evaluation of DNA from regularly-used knives after a brief use by a different person. *Forensic Science International: Genetics*, **2019**, 42, 135-140	4.3	6
70	A crisis for the future of forensic science: Lessons from the UK of the importance of epistemology for funding research and development. *Forensic Science International (Online)*, **2019**, 1, 243-252	1.9	5
69	Fragrance transfer between fabrics for forensic reconstruction applications. *Science and Justice - Journal of the Forensic Science Society*, **2019**, 59, 256-267	2	5
68	Freshwater diatom transfer to clothing: Spatial and temporal influences on trace evidence in forensic reconstructions. *Science and Justice - Journal of the Forensic Science Society*, **2019**, 59, 292-305	2	10
67	Journey history reconstruction from the soils and sediments on footwear: An empirical approach. *Science and Justice - Journal of the Forensic Science Society*, **2019**, 59, 306-316	2	10
66	A Comparison of Thresholding Methods for Forensic Reconstruction Studies Using Fluorescent Powder Proxies for Trace Materials. *Journal of Forensic Sciences*, **2019**, 64, 431-442	1.8	3
65	A Preliminary Investigation into the Accuracy of 3D Modeling and 3D Printing in Forensic Anthropology Evidence Reconstruction. *Journal of Forensic Sciences*, **2019**, 64, 342-352	1.8	29
64	The suitability of visual taphonomic methods for digital photographs: An experimental approach with pig carcasses in a tropical climate. *Science and Justice - Journal of the Forensic Science Society*, **2018**, 58, 167-176	2	9
63	The efficacy of luminol in detecting bloodstains that have been washed with sodium percarbonate and exposed to environmental conditions. *Australian Journal of Forensic Sciences*, **2018**, 50, 345-354	1.1	4
62	A systematic analysis of misleading evidence in unsafe rulings in England and Wales. *Science and Justice - Journal of the Forensic Science Society*, **2018**, 58, 128-137	2	26
61	Development of a HS-SPME/GC-MS method for the analysis of volatile organic compounds from fabrics for forensic reconstruction applications. *Forensic Science International*, **2018**, 290, 207-218	2.6	17
60	Interpretation of forensic science evidence at every step of the forensic science process **2018**, 408-420		3
59	Cascading Bias of Initial Exposure to Information at the Crime Scene to the Subsequent Evaluation of Skeletal Remains. *Journal of Forensic Sciences*, **2018**, 63, 403-411	1.8	20

58	Authors' Response on research into contextual influences and forensic decision making. *Journal of Forensic Sciences*, **2018**, 63, 1598-1600	1.8	2
57	Forensic science needs both the 'hedgehog' and the 'fox' *Forensic Science International*, **2018**, 292, e10-e12	2.2	10
56	The discrimination of geoforensic trace material from close proximity locations by organic profiling using HPLC and plant wax marker analysis by GC. *Forensic Science International*, **2018**, 288, 310-326	2.6	9
55	Reply to letter to the editor: Response to "A study of the perception of verbal expressions of the strength of evidence". *Science and Justice - Journal of the Forensic Science Society*, **2018**, 58, 299	2	2
54	High Performance Liquid Chromatography as a valuable tool for geoforensic soil analysis. *Australian Journal of Forensic Sciences*, **2017**, 49, 421-448	1.1	5
53	The potential for geochemical discrimination of single- and mixed-source soil samples from close proximity urban parkland locations. *Australian Journal of Forensic Sciences*, **2017**, 49, 161-174	1.1	11
52	The identification of markers for Geoforensic HPLC profiling at close proximity sites. *Forensic Science International*, **2017**, 272, 127-141	2.6	8
51	Suspect screening and quantification of trace organic explosives in wastewater using solid phase extraction and liquid chromatography-high resolution accurate mass spectrometry. *Journal of Hazardous Materials*, **2017**, 329, 11-21	12.8	46
50	Understanding forensic expert evaluative evidence: A study of the perception of verbal expressions of the strength of evidence. *Science and Justice - Journal of the Forensic Science Society*, **2017**, 57, 221-227	2	10
49	Detection of trace peroxide explosives in environmental samples using solid phase extraction and liquid chromatography mass spectrometry. *Environmental Forensics*, **2017**, 18, 50-61	1.6	8
48	Letter to the Editor - The Bias Snowball and the Bias Cascade Effects: Two Distinct Biases that May Impact Forensic Decision Making. *Journal of Forensic Sciences*, **2017**, 62, 832-833	1.8	31
47	The transfer of diatoms from freshwater to footwear materials: An experimental study assessing transfer, persistence, and extraction methods for forensic reconstruction. *Science and Justice - Journal of the Forensic Science Society*, **2017**, 57, 349-360	2	10
46	Conceptualising forensic science and forensic reconstruction. Part I: A conceptual model. *Science and Justice - Journal of the Forensic Science Society*, **2017**, 57, 455-459	2	43
45	Conceptualising forensic science and forensic reconstruction. Part II: The critical interaction between research, policy/law and practice. *Science and Justice - Journal of the Forensic Science Society*, **2017**, 57, 460-467	2	26
44	Trace DNA evidence dynamics: An investigation into the deposition and persistence of directly- and indirectly-transferred DNA on regularly-used knives. *Forensic Science International: Genetics*, **2017**, 29, 38-47	4.3	40
43	The effect of pressure on DNA deposition by touch. *Forensic Science International: Genetics Supplement Series*, **2017**, 6, e12-e14	0.5	20
42	An experimental study addressing the use of geoforensic analysis for the exploitation of improvised explosive devices (IEDs). *Forensic Science International*, **2017**, 278, 52-67	2.6	4
41	The Value of an Empirical Approach for the Assessment of Diatoms as Environmental Trace Evidence in Forensic Limnology. *Archaeological and Environmental Forensic Science*, **2017**, 1, 49-78	0.5	6

40	Simulating forensic casework scenarios in experimental studies: The generation of footwear marks in blood. *Forensic Science International*, **2016**, 264, 34-40	2.6	6
39	Using Bayesian networks to guide the assessment of new evidence in an appeal case. *Crime Science*, **2016**, 5, 9	6.6	9
38	Analysis of transferred fragrance and its forensic implications. *Science and Justice - Journal of the Forensic Science Society*, **2016**, 56, 413-420	2	9
37	Reply to A. Dragutinovic, Q& reply to: The transferability of diatoms to clothing and the methods appropriate for their collection and analysis in forensic geoscience Forensic Sci. Int. 241 (2014) 127-137Q*Forensic Science International*, **2015**, 247, e26-7	2.6	4
36	Persistence of DNA from laundered semen stains: Implications for child sex trafficking cases. *Forensic Science International: Genetics*, **2015**, 19, 165-171	4.3	32
35	Fingermark submission decision-making within a UK fingerprint laboratory: Do experts get the marks that they need?. *Science and Justice - Journal of the Forensic Science Society*, **2015**, 55, 239-47	2	14
34	The deposition and persistence of indirectly-transferred DNA on regularly-used knives. *Forensic Science International: Genetics Supplement Series*, **2015**, 5, e498-e500	0.5	20
33	An experimental investigation of the indirect transfer and deposition of gunshot residue: further studies carried out with SEM-EDX analysis. *Forensic Science International*, **2015**, 247, 14-7	2.6	41
32	Experimental forensic studies of the preservation of pollen in vehicle fires. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 141-5	2	16
31	Cognitive bias in forensic anthropology: visual assessment of skeletal remains is susceptible to confirmation bias. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 208-14	2	89
30	The spatial and temporal distribution of pollen in a room: forensic implications. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 49-56	2	19
29	The transferability of diatoms to clothing and the methods appropriate for their collection and analysis in forensic geoscience. *Forensic Science International*, **2014**, 241, 127-37	2.6	32
28	The secondary transfer of gunshot residue: an experimental investigation carried out with SEM-EDX analysis. *X-Ray Spectrometry*, **2014**, 43, 56-61	0.9	37
27	The influence of fabric surface characteristics on satellite bloodstain morphology. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 262-6	2	21
26	14.21 The Scanning Electron Microscope in Geomorphology **2013**, 257-261		
25	The recovery of pollen evidence from documents and its forensic implications. *Science and Justice - Journal of the Forensic Science Society*, **2013**, 53, 375-84	2	13
24	Automated texture recognition of quartz sand grains for forensic applications. *Journal of Forensic Sciences*, **2012**, 57, 1285-9	1.8	8
23	Multiple transfers of particulates and their dissemination within contact networks. *Science and Justice - Journal of the Forensic Science Society*, **2012**, 52, 33-41	2	18

22	Energy regimes for aeolian sand grain surface textures. *Sedimentary Geology*, **2012**, 253-254, 17-24	2.8	14
21	Investigation of quartz grain surface textures by atomic force microscopy for forensic analysis. *Forensic Science International*, **2012**, 223, 245-55	2.6	17
20	Evaluation of particle-induced X-ray emission and particle-induced γ-ray emission of quartz grains for forensic trace sediment analysis. *Analytical Chemistry*, **2012**, 84, 2260-7	7.8	6
19	Quartz grain surface textures of soils and sediments from Canberra, Australia: A forensic reconstruction tool. *Australian Journal of Forensic Sciences*, **2010**, 42, 169-179	1.1	10
18	The reincorporation and redistribution of trace geoforensic particulates on clothing: an introductory study. *Science and Justice - Journal of the Forensic Science Society*, **2010**, 50, 195-9	2	20
17	The relevance of the evolution of experimental studies for the interpretation and evaluation of some trace physical evidence. *Science and Justice - Journal of the Forensic Science Society*, **2009**, 49, 277-85	2	29
16	The Forensic Analysis of Sediments Recovered from Footwear **2009**, 253-269		8
15	A Forensic Geoscience Framework and Practice. *Policing (Oxford)*, **2008**, 2, 185-195	1.2	14
14	The preservation of quartz grain surface textures following vehicle fire and their use in forensic enquiry. *Science and Justice - Journal of the Forensic Science Society*, **2008**, 48, 133-40	2	13
13	A critique of the present use of some geochemical techniques in geoforensic analysis. *Forensic Science International*, **2008**, 178, e35-40; author reply e41-6	2.6	15
12	The use of grain size distribution analysis of sediments and soils in forensic enquiry. *Science and Justice - Journal of the Forensic Science Society*, **2007**, 47, 125-35	2	18
11	Sediment fingerprints: a forensic technique using quartz sand grains--a response. *Science and Justice - Journal of the Forensic Science Society*, **2007**, 47, 141-4	2	5
10	The philosophy, nature and practice of forensic sediment analysis. *Progress in Physical Geography*, **2007**, 31, 43-58	3.5	69
9	Data Interpretation in Forensic Sediment and Soil Geochemistry. *Environmental Forensics*, **2006**, 7, 325-334	1.6	22
8	Sediment fingerprints: a forensic technique using quartz sand grains. *Science and Justice - Journal of the Forensic Science Society*, **2006**, 46, 107-24	2	51
7	The transfer and persistence of trace particulates: experimental studies using clothing fabrics. *Science and Justice - Journal of the Forensic Science Society*, **2006**, 46, 185-95	2	55
6	The role of forensic geoscience in wildlife crime detection. *Forensic Science International*, **2006**, 162, 152-62	2.6	39
5	The forensic analysis of soils and sediment taken from the cast of a footprint. *Forensic Science International*, **2006**, 162, 6-12	2.6	65

4	SEM-EDS analysis and discrimination of forensic soil by Cengiz et al. A comment. *Forensic Science International*, **2005**, 155, 222-4; author reply 225	2.6	7
3	On reiterative justice. *Science and Justice - Journal of the Forensic Science Society*, **2004**, 44, 173	2	15
2	The Forensic Disclosure Model: What Should be Disclosed To, and By, Forensic Experts?. *SSRN Electronic Journal*,	1	1
1	A novel method for producing 3D models of paranasal sinuses for forensic anthropology applications. *Australian Journal of Forensic Sciences*,1-10	1.1	1