Chris Lennard

List of Publications by Citations

106 papers	2,571 citations	31 h-index	45 g-index
108 ext. papers	2,838 ext. citations	2.5 avg, IF	5.03 L-index

#	Paper	IF	Citations
106	Forensic applications of isotope ratio mass spectrometry--a review. *Forensic Science International*, **2006**, 157, 1-22	2.6	217
105	The detection of latent fingermarks on porous surfaces using amino acid sensitive reagents: a review. *Analytica Chimica Acta*, **2009**, 652, 128-42	6.6	85
104	Identification of inorganic ions in post-blast explosive residues using portable CE instrumentation and capacitively coupled contactless conductivity detection. *Electrophoresis*, **2008**, 29, 4593-602	3.6	83
103	Fluorescent TiO2 powders prepared using a new perylene diimide dye: applications in latent fingermark detection. *Forensic Science International*, **2007**, 173, 154-60	2.6	73
102	The Detection and Enhancement of Latent Fingermarks Using Infrared Chemical Imaging. *Journal of Forensic Sciences*, **2005**, 50, 1-9	1.8	72
101	Enhancement of latent fingermarks on non-porous surfaces using anti-L-amino acid antibodies conjugated to gold nanoparticles. *Chemical Communications*, **2011**, 47, 5602-4	5.8	71
100	Fingermark detection on non-porous and semi-porous surfaces using NaYF4:Er,Yb up-converter particles. *Forensic Science International*, **2011**, 207, 145-9	2.6	66
99	Visualization of latent fingermarks using an aptamer-based reagent. *Angewandte Chemie - International Edition*, **2012**, 51, 12272-4	16.4	56
98	An evaluation of nanostructured zinc oxide as a fluorescent powder for fingerprint detection. *Journal of Materials Science*, **2008**, 43, 732-737	4.3	56
97	The influence of polymer type, print donor and age on the quality of fingerprints developed on plastic substrates using vacuum metal deposition. *Forensic Science International*, **2001**, 124, 167-77	2.6	56
96	Optimisation and evaluation of 1,2-indanedione for use as a fingermark reagent and its application to real samples. *Forensic Science International*, **2007**, 168, 14-26	2.6	53
95	A study to investigate the evidential value of blue and black ballpoint pen inks in Australia. *Forensic Science International*, **1999**, 101, 167-176	2.6	53
94	Lawsone: a novel reagent for the detection of latent fingermarks on paper surfaces. *Chemical Communications*, **2008**, 3513-5	5.8	52
93	Vacuum metal deposition: factors affecting normal and reverse development of latent fingerprints on polyethylene substrates. *Forensic Science International*, **2001**, 115, 73-88	2.6	49
92	Visible and near-infrared chemical imaging methods for the analysis of selected forensic samples. *Talanta*, **2005**, 67, 334-44	6.2	48
91	Short tandem repeat (STR) genotyping of keratinised hair. Part 2. An optimised genomic DNA extraction procedure reveals donor dependence of STR profiles. *Forensic Science International*, **2005**, 153, 247-59	2.6	48
90	Forensic Applications of Chemical Imaging: Latent Fingerprint Detection Using Visible Absorption and Luminescence. *Journal of Forensic Sciences*, **2003**, 48, 2002333	1.8	48

89	Chemosensory genes identified in the antennal transcriptome of the blowfly Calliphora stygia. *BMC Genomics*, **2015**, 16, 255	4.5	47
88	Fingermark detection on non-porous and semi-porous surfaces using YVO4:Er,Yb luminescent upconverting particles. *Forensic Science International*, **2012**, 217, e23-6	2.6	47
87	Short tandem repeat (STR) genotyping of keratinised hair. Part 1. Review of current status and knowledge gaps. *Forensic Science International*, **2005**, 153, 237-46	2.6	47
86	Investigation of hydrogen cyanide generation from the cyanoacrylate fuming process used for latent fingermark detection. *Forensic Science International*, **2011**, 212, 143-9	2.6	37
85	A further study to investigate the detection and enhancement of latent fingerprints using visible absorption and luminescence chemical imaging. *Forensic Science International*, **2005**, 150, 33-51	2.6	37
84	Evaluation of X-ray microfluorescence spectrometry for the elemental analysis of firearm discharge residues. *Forensic Science International*, **1998**, 97, 21-36	2.6	36
83	Formulation of Cocaine-Imprinted Polymers Utilizing Molecular Modelling and NMR Analysis. *Australian Journal of Chemistry*, **2005**, 58, 315	1.2	36
82	Biological organisms as volatile compound detectors: a review. *Forensic Science International*, **2013**, 232, 92-103	2.6	35
81	Assessment and forensic application of laser-induced breakdown spectroscopy (LIBS) for the discrimination of Australian window glass. *Forensic Science International*, **2014**, 241, 46-54	2.6	34
80	Soil examination for a forensic trace evidence laboratory - Part 2: Elemental analysis. *Forensic Science International*, **2014**, 245, 195-201	2.6	33
79	Near infrared imaging for the improved detection of fingermarks on difficult surfaces. *Australian Journal of Forensic Sciences*, **2009**, 41, 43-62	1.1	32
78	Investigation of some of the factors influencing fingermark detection. *Forensic Science International* , **2018**, 289, 381-389	2.6	31
77	Evaluation of different sampling media for their potential use as a combined swab for the collection of both organic and inorganic explosive residues. *Forensic Science International*, **2012**, 222, 102-10	2.6	31
76	Vacuum metal deposition: developing latent fingerprints on polyethylene substrates after the deposition of excess gold. *Forensic Science International*, **2001**, 123, 5-12	2.6	31
75	Understanding physical developer (PD): Part I--Is PD targeting lipids?. *Forensic Science International*, **2015**, 257, 481-487	2.6	30
74	Soil examination for a forensic trace evidence laboratory--Part 1: Spectroscopic techniques. *Forensic Science International*, **2014**, 245, 187-94	2.6	30
73	Selective targeting of fingermarks using immunogenic techniques. *Australian Journal of Forensic Sciences*, **2013**, 45, 211-226	1.1	30
72	Forensic application of laser-induced breakdown spectroscopy for the discrimination of questioned documents. *Forensic Science International*, **2015**, 254, 68-79	2.6	29

71	A GC–MS database of target compound chromatograms for the identification of arson accelerants. *Science and Justice - Journal of the Forensic Science Society*, **1995**, 35, 19-30	2	29
70	Molecularly Imprinted Polymers and Room Temperature Ionic Liquids: Impact of Template on Polymer Morphology. *Australian Journal of Chemistry*, **2007**, 60, 51	1.2	28
69	Applying visible hyperspectral (chemical) imaging to estimate the age of bruises. *Medicine, Science and the Law*, **2007**, 47, 225-32	1.1	27
68	An FTIR method for the analysis of crude and heavy fuel oil asphaltenes to assist in oil fingerprinting. *Forensic Science International*, **2016**, 266, 555-564	2.6	27
67	The effect of zinc chloride, humidity and the substrate on the reaction of 1,2-indanedione-zinc with amino acids in latent fingermark secretions. *Forensic Science International*, **2011**, 212, 150-7	2.6	26
66	Background interference from car carpets—the evidential value of petrol residues in cases of suspected vehicle arson. *Forensic Science International*, **2002**, 125, 22-36	2.6	26
65	Modern statistical models for forensic fingerprint examinations: a critical review. *Forensic Science International*, **2013**, 232, 131-50	2.6	25
64	Fingerprint detection: current capabilities. *Australian Journal of Forensic Sciences*, **2007**, 39, 55-71	1.1	25
63	Understanding Physical Developer (PD): Part II--Is PD targeting eccrine constituents?. *Forensic Science International*, **2015**, 257, 488-495	2.6	24
62	Evaluation of fingermark detection sequences on paper substrates. *Forensic Science International*, **2014**, 236, 30-7	2.6	23
61	Nile red: Alternative to physical developer for the detection of latent fingermarks on wet porous surfaces?. *Forensic Science International*, **2013**, 230, 74-80	2.6	21
60	Evaluation of Iodine-Benzoflavone and Ruthenium Tetroxide Spray Reagents for the Detection of Latent Fingermarks at the Crime Scene. *Journal of Forensic Sciences*, **2004**, 49, 1-9	1.8	20
59	Soil examination for a forensic trace evidence laboratory-Part 3: A proposed protocol for the effective triage and management of soil examinations. *Forensic Science International*, **2016**, 262, 46-55	2.6	19
58	Substituted naphthoquinones as novel amino acid sensitive reagents for the detection of latent fingermarks on paper surfaces. *Talanta*, **2010**, 82, 1717-24	6.2	19
57	The effect of metal salt treatment on the photoluminescence of DFO-treated fingerprints. *Forensic Science International*, **2001**, 116, 117-23	2.6	18
56	Microscopic examination of fingermark residues: Opportunities for fundamental studies. *Forensic Science International*, **2015**, 255, 28-37	2.6	17
55	Preliminary evaluation of a next-generation portable gas chromatograph mass spectrometer (GC-MS) for the on-site analysis of ignitable liquid residues. *Australian Journal of Forensic Sciences*, **2016**, 48, 203-221	1.1	17
54	Styryl dye coated metal oxide powders for the detection of latent fingermarks on non-porous surfaces. *Forensic Science International*, **2012**, 219, 208-14	2.6	16

53	Vacuum metal deposition: visualisation of gold agglomerates using TEM imaging. *Forensic Science International*, **2007**, 168, 219-22	2.6	16
52	Establishing a universal swabbing and clean-up protocol for the combined recovery of organic and inorganic explosive residues. *Forensic Science International*, **2012**, 223, 136-47	2.6	15
51	Use of styryl 11 and STaR 11 for the luminescence enhancement of cyanoacrylate-developed fingermarks in the visible and near-infrared regions. *Journal of Forensic Sciences*, **2011**, 56, 1505-13	1.8	15
50	Evaluation of elemental profiling methods, including laser-induced breakdown spectroscopy (LIBS), for the differentiation of Cannabis plant material grown in different nutrient solutions. *Forensic Science International*, **2015**, 251, 95-106	2.6	14
49	PolyCyano UV: an investigation into a one-step luminescent cyanoacrylate fuming process. *Australian Journal of Forensic Sciences*, **2014**, 46, 471-484	1.1	14
48	Fit for purpose quality management system for military forensic exploitation. *Forensic Science International*, **2018**, 284, 136-140	2.6	13
47	Fingerprint detection: future prospects. *Australian Journal of Forensic Sciences*, **2007**, 39, 73-80	1.1	13
46	The recovery of latent fingermarks from evidence exposed to ionizing radiation*. *Journal of Forensic Sciences*, **2009**, 54, 583-90	1.8	12
45	A novel biphenyl from the lichen Psoroma contortum. *Australian Journal of Chemistry*, **1984**, 37, 1531	1.2	12
44	Nanoparticles used for fingermark detection: A comprehensive review. *Wiley Interdisciplinary Reviews Forensic Science*, **2019**, 1,	2.6	11
43	Determining the effects of routine fingermark detection techniques on the subsequent recovery and analysis of explosive residues on various substrates. *Forensic Science International*, **2013**, 233, 257-64	2.6	11
42	Stability of explosive residues in methanol/water extracts, on alcohol wipes and on a glass surface. *Forensic Science International*, **2013**, 226, 244-53	2.6	11
41	The transfer and persistence of petrol on car carpets. *Forensic Science International*, **2005**, 147, 71-9	2.6	11
40	Evaluation of multi-target immunogenic reagents for the detection of latent and body fluid-contaminated fingermarks. *Forensic Science International*, **2016**, 264, 168-75	2.6	11
39	Fingerprint identification: how far have we come?. *Australian Journal of Forensic Sciences*, **2013**, 45, 356-367	1.1	10
38	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
37	Latent fingermark detection using functionalised silicon oxide nanoparticles: Method optimisation and evaluation. *Forensic Science International*, **2019**, 298, 372-383	2.6	9
36	Visualization of Latent Fingermarks Using an Aptamer-Based Reagent. *Angewandte Chemie*, **2012**, 124, 12438-12440	3.6	9

35	Spatial analysis of corresponding fingerprint features from match and close non-match populations. *Forensic Science International*, **2013**, 230, 87-98	2.6	9
34	Effect of hand sanitizer on the performance of fingermark detection techniques. *Forensic Science International*, **2017**, 273, 153-160	2.6	8
33	Metal-Organic Frameworks for fingermark detection - A feasibility study. *Forensic Science International*, **2018**, 291, 83-93	2.6	8
32	A Systems Approach to Biometrics in the Military Domain. *Journal of Forensic Sciences*, **2018**, 63, 1858-1868	1.8	7
31	Synthesis and application of an aqueous nile red microemulsion for the development of fingermarks on porous surfaces. *Forensic Science International*, **2014**, 244, e48-55	2.6	7
30	Pyrolysis-GC-MS analysis of crude and heavy fuel oil asphaltenes for application in oil fingerprinting. *Environmental Forensics*, **2018**, 19, 14-26	1.6	6
29	Fingermark detection and identification: current research efforts. *Australian Journal of Forensic Sciences*, **2014**, 46, 293-303	1.1	6
28	Single metal deposition versus physical developer: A comparison between two advanced fingermark detection techniques. *Forensic Science International*, **2019**, 294, 103-112	2.6	6
27	Supporting fingerprint identification assessments using a skin stretch model - A preliminary study. *Forensic Science International*, **2017**, 272, 41-49	2.6	5
26	A systems approach to forensic science applied in the military domain. *Australian Journal of Forensic Sciences*, **2019**, 51, 12-21	1.1	5
25	Developing a strategic forensic science risk management system as a component of the forensic science system of systems. *Australian Journal of Forensic Sciences*, **2020**, 52, 208-221	1.1	5
24	Evaluation of 1,2-indanedione and 5,6-dimethoxy-1,2-indanedione for the detection of latent fingerprints on porous surfaces. *Journal of Forensic Sciences*, **2000**, 45, 761-9	1.8	5
23	Rapid on-site identification of hazardous organic compounds at fire scenes using person-portable gas chromatography-mass spectrometry (GC-MS)-part 1: air sampling and analysis. *Forensic Sciences Research*, **2020**, 5, 134-149	3.6	4
22	An overview of biosecurity in Australia. *Australian Journal of Forensic Sciences*, **2014**, 46, 383-396	1.1	4
21	Latent fingermark detection using functionalised silicon oxide nanoparticles: Optimisation and comparison with cyanoacrylate fuming. *Forensic Science International*, **2020**, 315, 110442	2.6	4
20	Why do we need a systems thinking approach to military forensic science in the contemporary world?. *Australian Journal of Forensic Sciences*, **2020**, 52, 323-336	1.1	4
19	Novel upconverting nanoparticles for fingermark detection. *Optical Materials*, **2021**, 111, 110568	3.3	4
18	Drosophila melanogaster odorant receptors as volatile compound detectors in forensic science: a proof-of-concept study. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 7739-7747	4.4	4

17	The forensic intelligence continuum in the military context. *Australian Journal of Forensic Sciences*, **2020**, 52, 3-15	1.1	3
16	Fingermark detection and identification: current research efforts. *Australian Journal of Forensic Sciences*, **2020**, 52, 125-145	1.1	3
15	Visualising substrate-fingermark interactions: Solid-state NMR spectroscopy of amino acid reagent development on cellulose substrates. *Forensic Science International*, **2015**, 250, 8-16	2.6	2
14	Australian biometric system to meet national security objectives part I technical capabilities. *Australian Journal of Forensic Sciences*, **2020**, 1-12	1.1	2
13	Assessment of evaporative and photochemical effects on asphaltene profiling of a heavy fuel oil. *Environmental Forensics*, **2020**, 21, 212-222	1.6	2
12	Australian biometric system to meet national security objectives Part II legislation and policy. *Australian Journal of Forensic Sciences*, **2020**, 1-16	1.1	2
11	The black sheep of forensic science: military forensic and technical exploitation. *Australian Journal of Forensic Sciences*, **2019**, 51, 636-648	1.1	2
10	Case study rown prosecution of a British citizen for the extraterritorial murder of Sergeant First Class Randy Johnson, United States 2nd Cavalry Regiment. *Australian Journal of Forensic Sciences*, **2021**, 53, 84-95	1.1	2
9	Fingermark detection using upconverting nanoparticles and comparison with cyanoacrylate fuming. *Forensic Science International*, **2021**, 326, 110915	2.6	2
8	Application of a Microfluidic Gas-to-Liquid Interface for Extraction of Target Amphetamines and Precursors from Air Samples. *Micromachines*, **2020**, 11,	3.3	1
7	An effective Physical Developer (PD) method for use in Australian laboratories. *Australian Journal of Forensic Sciences*, **2018**, 1-6	1.1	1
6	Person-portable equipment in environmental forensic investigations: application to fire scenes. *Australian Journal of Forensic Sciences*, **2018**, 1-10	1.1	1
5	X-Ray Fluorescence in Forensic Science Update based on the original article by Claude Roux and Chris Lennard, Encyclopedia of Analytical Chemistry, 2000, John Wiley & Sons, Ltd. **2013**,		1
4	X-Ray Fluorescence in Forensic Science **2006**,		1
3	Rapid on-site identification of hazardous organic compounds at fire scenes using person-portable gas chromatography-mass spectrometry (GC-MS)-part 2: water sampling and analysis. *Forensic Sciences Research*, **2020**, 5, 150-164	3.6	1
2	Latent fingermark detection using functionalised silicon oxide nanoparticles: Investigation into novel application procedures.. *Forensic Science International*, **2022**, 335, 111275	2.6	1
1	Reinstating Soil Examination as a Trace Evidence Sub-discipline. *Soil Forensics*, **2016**, 107-120		