Alison Beavis

List of Publications by Citations

40 papers	1,173 citations	19 h-index	34 g-index
42 ext. papers	1,338 ext. citations	3.4 avg, IF	4.2 L-index

#	Paper	IF	Citations
40	Forensic applications of desorption electrospray ionisation mass spectrometry (DESI-MS). *Forensic Science International*, **2013**, 226, 10-21	2.6	104
39	Three-dimensional atlas of iron, copper, and zinc in the mouse cerebrum and brainstem. *Analytical Chemistry*, **2012**, 84, 3990-7	7.8	100
38	An iron□dopamine index predicts risk of parkinsonian neurodegeneration in the substantia nigra pars compacta. *Chemical Science*, **2014**, 5, 2160-2169	9.4	82
37	A review of impurity profiling and synthetic route of manufacture of methylamphetamine, 3,4-methylenedioxymethylamphetamine, amphetamine, dimethylamphetamine and p-methoxyamphetamine. *Forensic Science International*, **2013**, 224, 8-26	2.6	73
36	The use of forensic case data in intelligence-led policing: the example of drug profiling. *Forensic Science International*, **2013**, 226, 1-9	2.6	64
35	A portable explosive detector based on fluorescence quenching of pyrene deposited on coloured wax-printed □PADs. *Lab on A Chip*, **2013**, 13, 4164-72	7.2	63
34	Protocol for production of matrix-matched brain tissue standards for imaging by laser ablation-inductively coupled plasma-mass spectrometry. *Analytical Methods*, **2013**, 5, 1915	3.2	59
33	False negative sentinel lymph node biopsies in melanoma may result from deficiencies in nuclear medicine, surgery, or pathology. *Annals of Surgery*, **2008**, 247, 1003-10	7.8	57
32	Forensic intelligence framework--Part I: Induction of a transversal model by comparing illicit drugs and false identity documents monitoring. *Forensic Science International*, **2014**, 236, 181-90	2.6	56
31	Current perspectives in the interpretation of gunshot residues in forensic science: A review. *Forensic Science International*, **2017**, 270, 1-11	2.6	54
30	Screening of gunshot residues using desorption electrospray ionisation-mass spectrometry (DESI-MS). *Forensic Science International*, **2012**, 217, 101-6	2.6	51
29	Detection of gunshot residues using mass spectrometry. *BioMed Research International*, **2014**, 2014, 965403	3	48
28	The development and comparison of collection techniques for inorganic and organic gunshot residues. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 2567-76	4.4	38
27	Forensic intelligence framework. Part II: Study of the main generic building blocks and challenges through the examples of illicit drugs and false identity documents monitoring. *Forensic Science International*, **2015**, 250, 44-52	2.6	35
26	The use of organic and inorganic impurities found in MDMA police seizures in a drug intelligence perspective. *Science and Justice - Journal of the Forensic Science Society*, **2014**, 54, 32-41	2	27
25	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. *Nanomaterials*, **2014**, 4, 157-174	3.4	22
24	Analysis of amphetamine-type substances by capillary zone electrophoresis using capacitively coupled contactless conductivity detection. *Electrophoresis*, **2010**, 31, 2608-13	3.6	21

23	Development of a UHPLC method for the detection of organic gunshot residues using artificial neural networks. *Analytical Methods*, **2015**, 7, 7447-7454	3.2	20
22	Review of the most common chemometric techniques in illicit drug profiling. *Forensic Science International*, **2019**, 302, 109911	2.6	19
21	A rapid method for the in-field analysis of amphetamines employing the Agilent Bioanalyzer. *Analytical Methods*, **2011**, 3, 1535	3.2	18
20	Qualitative analysis of seized cocaine samples using desorption electrospray ionization- mass spectrometry (DESI-MS). *Drug Testing and Analysis*, **2015**, 7, 393-400	3.5	17
19	A forensic investigation on the persistence of organic gunshot residues. *Forensic Science International*, **2018**, 292, 1-10	2.6	16
18	A study of transfer and prevalence of organic gunshot residues. *Forensic Science International*, **2017** , 277, 241-251	2.6	15
17	Antimony concentrations in nodal tissue can confirm sentinel node identity. *Modern Pathology*, **2004**, 17, 1191-7	9.8	15
16	Antimony by ICP-MS as a marker for sentinel lymph nodes in melanoma patients. *Analyst, The*, **2003**, 128, 217-9	5	15
15	Stability of smokeless powder compounds on collection devices. *Forensic Science International*, **2017**, 270, 55-60	2.6	14
14	The use of methylamphetamine chemical profiling in an intelligence-led perspective and the observation of inhomogeneity within seizures. *Forensic Science International*, **2015**, 246, 55-64	2.6	14
13	Analysis of amphetamine-type substances and piperazine analogues using desorption electrospray ionisation mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 731-40	2.2	14
12	Failure to remove true sentinel nodes can cause failure of the sentinel node biopsy technique: evidence from antimony concentrations in false-negative sentinel nodes from melanoma patients. *Annals of Surgical Oncology*, **2004**, 11, 174S-8S	3.1	10
11	Secondary transfer of organic gunshot residues: Empirical data to assist the evaluation of three scenarios. *Science and Justice - Journal of the Forensic Science Society*, **2019**, 59, 58-66	2	7
10	Presumptive analysis of 4-methylmethcathinone (mephedrone) using Desorption Electrospray Ionisation - Mass Spectrometry (DESI-MS). *Australian Journal of Forensic Sciences*, **2014**, 46, 411-423	1.1	6
9	An investigation on the secondary transfer of organic gunshot residues. *Science and Justice - Journal of the Forensic Science Society*, **2019**, 59, 248-255	2	5
8	Thinking beyond the lab: organic gunshot residues in an investigative perspective. *Australian Journal of Forensic Sciences*, **2018**, 1-7	1.1	5
7	Confirmation of sentinel lymph node identity by analysis of fine-needle biopsy samples using inductively coupled plasma-mass spectrometry. *Annals of Surgical Oncology*, **2008**, 15, 934-40	3.1	4
6	Chiral determination and assay of optical isomers in clandestine drug laboratory samples using LC-MSMS. *Analytical Methods*, **2017**, 9, 3380-3387	3.2	3

5	High-throughput screening for target compounds in smokeless powders using online-SPE tandem mass spectrometry. *Australian Journal of Forensic Sciences*, **2021**, 53, 16-26	1.1	2
4	Interpreting the link value of similarity scores between illicit drug specimens through a dual approach, featuring deterministic and Bayesian frameworks. *Forensic Science International*, **2021**, 319, 110651	2.6	0
3	An application example of the likelihood ratio approach to the evaluation of organic gunshot residues using a fictional scenario and recently published data.. *Forensic Science International*, **2022**, 335, 111267	2.6	0
2	Correct identification of a sentinel node postselective lymphadenectomy using antimony levels. *Melanoma Research*, **2008**, 18, 365-6	3.3	
1	Optimization of the Separation of Amino Acids by Capillary Electrophoresis Using Artificial Neural Networks	169-180	