

Andrew Cannavan

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,053
citations

236925

25
h-index

254184

43
g-index

74
all docs

74
docs citations

74
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of liquid chromatography–mass spectrometry in the analysis of residues of antibiotics in meat and milk. <i>Journal of Chromatography A</i> , 1998, 812, 77-98.	3.7	133
2	Assessment of fruit juice authenticity using UPLC–QToF MS: A metabolomics approach. <i>Food Chemistry</i> , 2014, 148, 7-17.	8.2	105
3	Evidence of natural occurrence of the banned antibiotic chloramphenicol in herbs and grass. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1955-1963.	3.7	95
4	Validation of an efficient method for the determination of pesticide residues in fruits and vegetables using ethyl acetate for extraction. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 481-490.	1.5	87
5	Zeranol is formed from <i>Fusarium</i> spp. toxins in cattle in vivo. <i>Food Additives and Contaminants</i> , 1998, 15, 393-400.	2.0	84
6	A Critical Review of Screening Methods for the Detection of Chloramphenicol, Thiamphenicol, and Florfenicol Residues in Foodstuffs. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 50-78.	3.5	75
7	Discrimination of honey of different floral origins by a combination of various chemical parameters. <i>Food Chemistry</i> , 2015, 189, 52-59.	8.2	71
8	Regulatory problems caused by contamination, a frequently overlooked cause of veterinary drug residues. <i>Journal of Chromatography A</i> , 2000, 882, 37-52.	3.7	66
9	Methylmalonyl-CoA mutase (EC 5.4.99.2) and methionine synthetase (EC 2.1.1.13) in the tissues of cobalt–vitamin B12 deficient sheep. <i>British Journal of Nutrition</i> , 1990, 64, 721-732.	2.3	61
10	Recent trends in the use of FTIR spectroscopy integrated with chemometrics for the detection of edible oil adulteration. <i>Vibrational Spectroscopy</i> , 2021, 113, 103222.	2.2	61
11	Authentication of Indian citrus fruit/fruit juices by untargeted and targeted metabolomics. <i>Food Control</i> , 2017, 72, 181-188.	5.5	53
12	An investigative study on discrimination of honey of various floral and geographical origins using UPLC-QToF MS and multivariate data analysis. <i>Food Control</i> , 2017, 72, 189-197.	5.5	51
13	An investigative study on differentiation of citrus fruit/fruit juices by UPLC-QToF MS and chemometrics. <i>Food Control</i> , 2017, 72, 173-180.	5.5	45
14	Detection of clenbuterol residues in bovine liver, muscle, retina and urine using gas chromatography/mass spectrometry. <i>Biological Mass Spectrometry</i> , 1993, 22, 326-330.	0.5	44
15	Characterisation of antibodies to chloramphenicol, produced in different species by enzyme-linked immunosorbent assay and biosensor technologies. <i>Analytica Chimica Acta</i> , 2007, 592, 51-57.	5.4	44
16	Portable spectroscopy for high throughput food authenticity screening: Advancements in technology and integration into digital traceability systems. <i>Trends in Food Science and Technology</i> , 2021, 118, 777-790.	15.1	44
17	Determination of Dimetridazole in Poultry Tissues and Eggs Using Liquid Chromatography–Thermospray Mass Spectrometry. <i>Analyst</i> , The, 1997, 122, 963-966.	3.5	43
18	Determination of Thyreostats in Thyroid and Urine Using High-performance Liquid Chromatography–Atmospheric Pressure Chemical Ionisation Mass Spectrometry. <i>Analyst</i> , The, 1997, 122, 967-972.	3.5	43

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19	Nicarbazin contamination in feeds as a cause of residues in eggs. Food Additives and Contaminants, 2000, 17, 829-836.	2.0	39
20	Analysis of the antiviral drugs acyclovir and valacyclovir-hydrochloride in tsetse flies (<i>Glossina</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 and Life Sciences, 2010, 878, 2384-2390.	2.3	37
21	Determination of fenbendazole and oxfendazole in liver and muscle using liquid chromatography- ¹³ C-mass spectrometry. Analyst, The, 1994, 119, 1325-1328.	3.5	36
22	Gas chromatographic- ¹³ C-mass spectrometric determination of sulfamethazine in animal tissues using a methyl/trimethylsilyl derivative. Analyst, The, 1996, 121, 1457-1461.	3.5	36
23	Rapid and non-destructive approach for the detection of fried mustard oil adulteration in pure mustard oil via ATR-FTIR spectroscopy-chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118822.	3.9	34
24	Attenuated total Reflectance- ¹³ C-Fourier transform infrared (ATR- ¹³ C-FTIR) spectroscopy coupled with chemometrics for rapid detection of argemone oil adulteration in mustard oil. LWT - Food Science and Technology, 2020, 120, 108945.	5.2	31
25	Application of Attenuated Total Reflectance-Fourier Transform Infrared (ATR-FTIR) spectroscopy coupled with chemometrics for detection and quantification of formalin in cow milk. Vibrational Spectroscopy, 2020, 107, 103033.	2.2	31
26	Rapid detection and quantification of sucrose adulteration in cow milk using Attenuated total reflectance-Fourier transform infrared spectroscopy coupled with multivariate analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118628.	3.9	27
27	Development and validation of a method for the confirmation of nicarbazin in chicken liver and eggs using LC-electrospray MS-MS according to the revised EU criteria for veterinary drug residue analysis. Analyst, The, 2001, 126, 1985-1989.	3.5	26
28	Development and validation of a method for the confirmation of halofuginone in chicken liver and eggs using electrospray tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 788, 29-36.	2.3	26
29	Concentration of 22,23-dihydroavermectin B1a detected in the sediments at an Atlantic salmon farm using orally administered ivermectin to control sea-lice infestation. Aquaculture, 2000, 182, 229-240.	3.5	25
30	Development of a Liquid Chromatography Tandem Mass Spectrometric Method for Simultaneous Determination of 15 Aminoglycoside Residues in Porcine Tissues. Food Analytical Methods, 2016, 9, 2587-2599.	2.6	25
31	Detecting adulteration of stingless bee honey using untargeted ¹ H NMR metabolomics with chemometrics. Food Chemistry, 2022, 368, 130808.	8.2	25
32	High-resolution mass spectrometry-based metabolomics for the discrimination between organic and conventional crops: A review. Trends in Food Science and Technology, 2021, 110, 142-154.	15.1	23
33	Determination of nicarbazin in feeds using liquid chromatography- ¹³ C-electrospray mass spectrometry. Analyst, The, 1999, 124, 1431-1434.	3.5	22
34	Possible causes of nicarbazin residues in chicken tissues. Food Additives and Contaminants, 2000, 17, 1001-1006.	2.0	22
35	Validation of an Analytical Method for the Determination of Pesticide Residues in Vine Leaves by GC-MS/MS. Journal of Agricultural and Food Chemistry, 2018, 66, 6421-6430.	5.2	22
36	Determination of ivermectin residues in the tissues of Atlantic salmon (<i>Salmo salar</i>) using HPLC with fluorescence detection. Food Additives and Contaminants, 1993, 10, 579-584.	2.0	21

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37	Halofuginone contamination in feeds as a cause of residues in eggs. <i>Analytica Chimica Acta</i> , 2002, 473, 177-182.	5.4	21
38	A competitive enzyme-linked immunosorbent assay for determination of chloramphenicol. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2007, 30, 68-73.	1.3	21
39	Type II and type III monodeiodinase activities in the skin of untreated and propylthiouracil-treated cashmere goats. <i>Research in Veterinary Science</i> , 2000, 68, 119-123.	1.9	20
40	Rapid detection of pure coconut oil adulteration with fried coconut oil using ATR-FTIR spectroscopy coupled with multivariate regression modelling. <i>LWT - Food Science and Technology</i> , 2020, 125, 109250.	5.2	20
41	Utilizing ATR-FTIR spectroscopy combined with multivariate chemometric modelling for the swift detection of mustard oil adulteration in virgin coconut oil. <i>Vibrational Spectroscopy</i> , 2020, 109, 103066.	2.2	20
42	Determination of trace amounts of cobalt in feed grains and forages by solvent extraction and graphite furnace atomic absorption spectrometry. <i>Analyst, The</i> , 1990, 115, 1323.	3.5	19
43	Determination of levamisole in animal tissues using liquid chromatography-thermospray mass spectrometry. <i>Analyst, The</i> , 1995, 120, 331-333.	3.5	19
44	Development and validation of an improved HPLC method for the control of potentially counterfeit isometamidium products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 45-51.	2.8	16
45	Simultaneous determination of thiabendazole and its major metabolite, 5-hydroxythiabendazole, in bovine tissues using gradient liquid chromatography with thermospray and atmospheric pressure chemical ionisation mass spectrometry. <i>Biomedical Applications</i> , 1998, 718, 103-113.	1.7	15
46	Differentiating Pakistani long-grain rice grown inside and outside the accepted Basmati Himalayan geographical region using a "one-class" multi-element chemometric model. <i>Food Control</i> , 2021, 123, 107827.	5.5	15
47	Screening Malaysian edible bird's nests for structural adulterants and geographical origin using Mid-Infrared Attenuated Total Reflectance (MIR-ATR) spectroscopy combined with chemometric analysis by Data-Driven Soft Independent Modelling of Class Analogy (DD-SIMCA). <i>Forensic Chemistry</i> , 2020, 17, 100197.	2.8	14
48	Anopheles arabiensis egg treatment with dieldrin for sex separation leaves residues in male adult mosquitoes that can bioaccumulate in goldfish (Carassius auratus auratus). <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2786-2791.	4.3	13
49	Qualitative and quantitative evaluation of corn syrup as a potential added sweetener in apple fruit juices using mid-infrared spectroscopy assisted chemometric modeling. <i>LWT - Food Science and Technology</i> , 2020, 131, 109749.	5.2	12
50	The use of multispectral imaging for the discrimination of Arabica and Robusta coffee beans. <i>Food Chemistry: X</i> , 2022, 14, 100325.	4.3	11
51	Method optimization and validation for multi-class residue analysis in turmeric. <i>Food Control</i> , 2021, 121, 107579.	5.5	10
52	Geographical Differentiation of Hom Mali Rice Cultivated in Different Regions of Thailand Using FTIR-ATR and NIR Spectroscopy. <i>Foods</i> , 2021, 10, 1951.	4.3	10
53	Detection of adulteration activities in edible bird's nest using untargeted 1H-NMR metabolomics with chemometrics. <i>Food Control</i> , 2022, 132, 108542.	5.5	9
54	Uptake of 14C-atropine and/or its transformation products from soil by wheat (Triticum aestivum var Tj ETQq0 0 0 rgBT /Overlock 10 Tf Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 1034-1042.	1.5	8

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55	Development of an FTIR based chemometric model for the qualitative and quantitative evaluation of cane sugar as an added sugar adulterant in apple fruit juices. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2020, 37, 539-551.	2.3	8
56	Stable isotope analysis of non-exchangeable hydrogen in carbohydrates derivatised with N-methyl-bis-trifluoroacetamide by gas chromatography "Chromium silver reduction/High temperature Conversion-isotope ratio mass spectrometry (GC-CrAg/HTC-IRMS). Food Chemistry, 2020, 318, 126413.	8.2	7
57	A laser ablation resonance ionisation mass spectrometer (LA-RIMS) for the detection of isotope ratios of uranium at ultra-trace concentrations from solid particles and solutions. Journal of Analytical Atomic Spectrometry, 2019, 34, 1630-1638.	3.0	6
58	Sorption of ¹⁴ C-carbofuran in Austrian soils: evaluation of fate and transport of carbofuran in temperate regions. Environmental Science and Pollution Research, 2019, 26, 986-990.	5.3	6
59	Non-targeted fingerprinting approach for rapid quantification of mustard oil adulteration with linseed oil: An economically motivated adulteration. Vibrational Spectroscopy, 2021, 113, 103226.	2.2	6
60	Multi-class determination of anthelmintics in soil and water by LC-MS/MS. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 1128-1137.	2.3	5
61	Assessment of geographical origin of virgin coconut oil using inductively coupled plasma mass spectrometry along with multivariate chemometrics. Current Research in Food Science, 2022, 5, 545-552.	5.8	5
62	Determination of Trimethoprim in Tissues Using Liquid Chromatography"Thermospray Mass Spectrometry. Analyst, The, 1997, 122, 1379-1382.	3.5	4
63	Ruggedness testing of an analytical method for pesticide residues in potato. Accreditation and Quality Assurance, 2018, 23, 303-316.	0.8	4
64	Optimization and validation of a single method for the determination of pesticide residues in Peumus boldus Molina leaves using GC-MSD, GC-MS/MS and LC-MS/MS. Journal of Applied Research on Medicinal and Aromatic Plants, 2020, 18, 100254.	1.5	4
65	Atmospheric pressure chemical ionisation (APCI) and photoionisation (APPI) mass spectrometry for detection of unsaturated fatty acids: potential for rapid detection of adulteration of vegetable oils. Analytical Methods, 2019, 11, 3819-3828.	2.7	3
66	Detection of exogenous sugars in pineapple juice using compound-specific stable hydrogen isotope analysis. Npj Science of Food, 2021, 5, 10.	5.5	3
67	Generic Guidelines on Integrated Analytical Approaches to Assess Indicators of Pesticide Management Practices at a Catchment Scale. , 2018, , 7-27.		2
68	FAO/IAEA International Symposium on Food Safety and Quality: Applications of Nuclear and Related Techniques, Vienna, Austria, 10"13November 2014. Food Control, 2017, 72, 165-166.	5.5	1
69	Authentication of Fruit Juices by Metabolomics Using UPLC-QTOF MS. , 2018, , 779-804.		1
70	Method Validation and Quality Assurance/Quality Control Approaches for Multi-residue Methods. , 0, 549-574.		0