

Gavin O Connor

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

1,736
citations

25
h-index

40
g-index

56
ext. papers

1,915
ext. citations

3.6
avg, IF

4.47
L-index

#	Paper	IF	Citations
54	Total cow milk protein in cookies: the first interlaboratory comparison with a well-defined measurand fit for food allergen risk assessment. <i>Accreditation and Quality Assurance</i> , 2021 , 26, 177-181	0.7	0
53	Are current analytical methods suitable to verify VITAL 2.0/3.0 allergen reference doses for EU allergens in foods?. <i>Food and Chemical Toxicology</i> , 2020 , 145, 111709	4.7	34
52	A reference method for determining the total allergenic protein content in a processed food: the case of milk in cookies as proof of concept. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8249-8267	4.4	7
51	An assessment of the impact of extraction and digestion protocols on multiplexed targeted protein quantification by mass spectrometry for egg and milk allergens. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3463-3475	4.4	14
50	Enhancing the accuracy of measurement of small molecule organic biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7341-7355	4.4	3
49	Label-Free Proteomic Analysis of Wheat Gluten Proteins and Their Immunoreactivity to ELISA Antibodies. <i>Cereal Chemistry</i> , 2017 , 94, 820-826	2.4	9
48	The feasibility of harmonizing gluten ELISA measurements. <i>Food Chemistry</i> , 2017 , 234, 144-154	8.5	34
47	Defining the wheat gluten peptide fingerprint via a discovery and targeted proteomics approach. <i>Journal of Proteomics</i> , 2016 , 147, 156-168	3.9	43
46	Review on proteomics for food authentication. <i>Journal of Proteomics</i> , 2016 , 147, 212-225	3.9	110
45	Quantification of human growth hormone in serum with a labeled protein as an internal standard: essential considerations. <i>Analytical Chemistry</i> , 2014 , 86, 6525-32	7.8	27
44	The BIOREMA project part 1: Towards international comparability for biofuel analysis. <i>Accreditation and Quality Assurance</i> , 2013 , 18, 19-28	0.7	6
43	The role of ion mobility spectrometry-mass spectrometry in the analysis of protein reference standards. <i>Analytical Chemistry</i> , 2013 , 85, 7205-12	7.8	17
42	Towards absolute quantification of allergenic proteins in food--lysozyme in wine as a model system for metrologically traceable mass spectrometric methods and certified reference materials. <i>Journal of AOAC INTERNATIONAL</i> , 2013 , 96, 1350-61	1.7	21
41	Validation of isotope dilution surface-enhanced Raman scattering (IDSERS) as a higher order reference method for clinical measurands employing international comparison schemes. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 1246-1252	2.3	11
40	Current Perspectives and Recommendations for the Development of Mass Spectrometry Methods for the Determination of Allergens in Foods. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 1026-1033	1.7	93
39	On-line reaction monitoring by extractive electrospray ionisation. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1445-51	2.2	33
38	Determination of testosterone and epitestosterone glucuronides in urine by ultra performance liquid chromatography-ion mobility-mass spectrometry. <i>Analyst, The</i> , 2011 , 136, 3911-6	5	31

37	Investigating microwave hydrolysis for the traceable quantification of peptide standards using gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2011 , 412, 40-6	3.1	15
36	Considering the advantages and pitfalls of the use of isotopically labeled protein standards for accurate protein quantification. <i>Bioanalysis</i> , 2011 , 3, 2797-802	2.1	23
35	The need for standardization of tacrolimus assays. <i>Clinical Chemistry</i> , 2011 , 57, 1739-47	5.5	48
34	Current perspectives and recommendations for the development of mass spectrometry methods for the determination of allergens in foods. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 1026-33	1.7	20
33	The effect of electrospray solvent composition on desorption electrospray ionisation (DESI) efficiency and spatial resolution. <i>Analyst, The</i> , 2010 , 135, 731-7	5	62
32	RNA-induced conformational changes in a viral coat protein studied by hydrogen/deuterium exchange mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13468-75	3.6	17
31	Conformational changes in oxidatively stressed monoclonal antibodies studied by hydrogen exchange mass spectrometry. <i>Protein Science</i> , 2010 , 19, 826-35	6.3	76
30	Ambient mass spectrometry: advances and applications in forensics. <i>Surface and Interface Analysis</i> , 2010 , 42, 347-357	1.5	79
29	Chemical standards for ion mobility spectrometry: a review. <i>International Journal for Ion Mobility Spectrometry</i> , 2009 , 12, 1-14	1.5	73
28	Developing repeatable measurements for reliable analysis of molecules at surfaces using desorption electrospray ionization. <i>Analytical Chemistry</i> , 2009 , 81, 2286-93	7.8	50
27	Study of the effect of sample preparation and cooking on the selenium speciation of selenized potatoes by HPLC with ICP-MS and electrospray ionization MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 38-45	5.7	18
26	Fully traceable absolute protein quantification of somatropin that allows independent comparison of somatropin standards. <i>Clinical Chemistry</i> , 2009 , 55, 1984-90	5.5	21
25	Protein quantification by isotope dilution mass spectrometry of proteolytic fragments: cleavage rate and accuracy. <i>Analytical Chemistry</i> , 2008 , 80, 4154-60	7.8	111
24	Assessment of the repeatability and reproducibility of hydrogen/deuterium exchange mass spectrometry measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 3893-901	2.2	47
23	High accuracy determination of malachite green and leucomalachite green in salmon tissue by exact matching isotope dilution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 874, 95-100	3.2	32
22	Toward Système International d'Unités traceable protein quantification: from amino acids to proteins. <i>Analytical Biochemistry</i> , 2008 , 376, 242-51	3.1	71
21	Amine-reactive isobaric tagging reagents: requirements for absolute quantification of proteins and peptides. <i>Analytical Biochemistry</i> , 2008 , 379, 164-9	3.1	30
20	Analysis of 19-norandrosterone in human urine by gas chromatography-isotope-dilution mass spectrometry: method adopted by LGC for participation in the Comité Consultatif pour la Quantité de Matière (CCQM) Pilot Study P68. <i>Accreditation and Quality Assurance</i> , 2007 , 12, 469-474	0.7	5

19	An international intercomparison for 19-norandrosterone in human urine: the Comité Consultatif pour la Quantité de Matière (CCQM) Pilot Study CCQM-P68. <i>Accreditation and Quality Assurance</i> , 2007 , 12, 459-464	0.7	4
18	Fundamental Aspects of Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) 2007 , 134-159		
17	Simultaneous identification of selenium-containing glutathione species in selenised yeast by on-line HPLC with ICP-MS and electrospray ionisation quadrupole time of flight (QTOF)-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 1256-1263	3.7	37
16	Identification of water-soluble gamma-glutamyl-Se-methylselenocysteine in yeast-based selenium supplements by reversed-phase HPLC with ICP-MS and electrospray tandem MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 864	3.7	37
15	The validation of exact mass measurements for small molecules using FT-ICRMS for improved confidence in the selection of elemental formulas. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1100-1108	3.5	16
14	A comparison of enzymatic digestion for the quantitation of an oligonucleotide by liquid chromatography-isotope dilution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 817, 173-82	3.2	22
13	Quantitative Fourier transform ion cyclotron resonance mass spectrometry--the determination of creatinine by isotope dilution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 375-80	2.2	5
12	Improved precision and accuracy for high-performance liquid chromatography/Fourier transform ion cyclotron resonance mass spectrometric exact mass measurement of small molecules from the simultaneous and controlled introduction of internal calibrants via a second electrospray nebuliser. <i>Rapid Communications in Mass Spectrometry</i> , 2004 , 18, 2027-18	2.2	12
11	Selenium speciation analysis of selenium-enriched supplements by HPLC with ultrasonic nebulisation ICP-MS and electrospray MS/MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1529-1538	3.7	69
10	Development of a liquid chromatography-mass spectrometry method for the high-accuracy determination of creatinine in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003 , 794, 125-36	3.2	60
9	Evaluation of gas chromatography coupled with low pressure plasma source mass spectrometry for the screening of volatile organic compounds in food. <i>Journal of Separation Science</i> , 2002 , 25, 839-846	3.4	7
8	Quantitation of oligonucleotides by phosphodiesterase digestion followed by isotope dilution mass spectrometry: proof of concept. <i>Analytical Chemistry</i> , 2002 , 74, 3670-6	7.8	31
7	Chapter 11 Plasma sources as alternatives to the atmospheric pressure ICP for speciation studies. <i>Comprehensive Analytical Chemistry</i> , 2000 , 315-382	1.9	
6	High accuracy isotope dilution analysis for the determination of ethanol using gas chromatography-combustion-isotope ratio mass spectrometry. <i>Analyst, The</i> , 2000 , 125, 2189-95	5	17
5	Low pressure inductively coupled plasma ion source for atomic and molecular mass spectrometry: Investigation of alternative reagent gases for organomercury speciation in tissue and sediment. <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 7-12	3.7	19
4	Comparison of AFS and ICP-MS detection coupled with gas chromatography for the determination of methylmercury in marine samples. <i>Analytica Chimica Acta</i> , 1999 , 390, 245-253	6.6	60
3	Qualitative and quantitative determination of tetraethyllead in fuel using low pressure ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 1303-1306	3.7	10
2	Low Pressure Inductively Coupled Plasma Ion Source for Molecular and Atomic Mass Spectrometry: The Effect of Reagent Gases. <i>Journal of Analytical Atomic Spectrometry</i> , 1997 , 12, 1263-1269	3.7	15

- 1 Feasibility study of low pressure inductively coupled plasma mass spectrometry for qualitative and quantitative speciation. *Journal of Analytical Atomic Spectrometry*, **1996**, 11, 1151 3·7 24