

# Stephen I R Ellison

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3836333/stephen-l-r-ellison-publications-by-year.pdf>

**Version:** 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

87  
papers

3,869  
citations

21  
h-index

62  
g-index

95  
ext. papers

4,276  
ext. citations

2.9  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
87	Assessment of measurement precision in single-voxel spectroscopy at 7 T: Toward minimal detectable changes of metabolite concentrations in the human brain in vivo. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 87, 1119	4.4	0
86	Reducing the cost of nitrogen factor studies by use of fractional and algorithmic designs. <i>Food Control</i> , <b>2021</b> , 123, 107825	6.2	
85	Final report of CCQM-K86.c. Relative quantification of genomic DNA fragments extracted from a biological tissue. <i>Metrologia</i> , <b>2020</b> , 57, 08004-08004	2.1	4
84	Applications of robust estimators of covariance in examination of inter-laboratory study data. <i>Analytical Methods</i> , <b>2019</b> , 11, 2639-2649	3.2	
83	Principles for the assessment of homogeneity and stability in the new ISO Guide 35:2017. <i>Accreditation and Quality Assurance</i> , <b>2018</b> , 23, 47-51	0.7	5
82	An outlier-resistant indicator of anomalies among inter-laboratory comparison data with associated uncertainty. <i>Metrologia</i> , <b>2018</b> , 55, 840-854	2.1	1
81	A candidate liquid chromatography mass spectrometry reference method for the quantification of the cardiac marker 1-32 B-type natriuretic peptide. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2017</b> , 55, 1397-1406	5.9	10
80	Method validation in analytical sciences: discussions on current practice and future challenges. <i>Accreditation and Quality Assurance</i> , <b>2017</b> , 22, 253-263	0.7	6
79	Is measurement uncertainty from sampling related to analyte concentration?. <i>Analytical Methods</i> , <b>2017</b> , 9, 5989-5996	3.2	2
78	Combined uncertainty factor for sampling and analysis. <i>Accreditation and Quality Assurance</i> , <b>2017</b> , 22, 187-189	0.7	4
77	Extending digital PCR analysis by modelling quantification cycle data. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 421	3.6	1
76	Poultry marketing controls [Inter-laboratory validation of a method to detect previously frozen chicken breasts by determination of HADH activity. <i>Food Control</i> , <b>2016</b> , 68, 186-191	6.2	3
75	An international comparability study on quantification of mRNA gene expression ratios: CCQM-P103.1. <i>Biomolecular Detection and Quantification</i> , <b>2016</b> , 8, 15-28	12	11
74	Uncertainty factor: an alternative way to express measurement uncertainty in chemical measurement. <i>Accreditation and Quality Assurance</i> , <b>2015</b> , 20, 153-155	0.7	14
73	Homogeneity studies and ISO Guide 35:2006. <i>Accreditation and Quality Assurance</i> , <b>2015</b> , 20, 519-528	0.7	9
72	A reassessment of pork nitrogen factors. <i>Analytical Methods</i> , <b>2015</b> , 7, 8997-9004	3.2	1
71	Impact of Eurachem 25 years of activity. <i>Accreditation and Quality Assurance</i> , <b>2014</b> , 19, 59-64	0.7	1

70	Monte Carlo simulation of expert judgments on human errors in chemical analysis--a case study of ICP-MS. <i>Talanta</i> , <b>2014</b> , 130, 462-9	6.2	10
69	Implementing measurement uncertainty for analytical chemistry: the Eurachem Guide for measurement uncertainty. <i>Metrologia</i> , <b>2014</b> , 51, S199-S205	2.1	17
68	Outline for the revision of ISO Guide 35. <i>Accreditation and Quality Assurance</i> , <b>2013</b> , 18, 115-118	0.7	2
67	House-of-security approach to measurement in analytical chemistry: quantification of human error using expert judgments. <i>Accreditation and Quality Assurance</i> , <b>2013</b> , 18, 459-467	0.7	10
66	Comparison of microfluidic digital PCR and conventional quantitative PCR for measuring copy number variation. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, e82	20.1	283
65	Causes of error in analytical chemistry: results of a web-based survey of proficiency testing participants. <i>Accreditation and Quality Assurance</i> , <b>2012</b> , 17, 453-464	0.7	15
64	Use of a replicated Latin square design in a homogeneity test for high purity organic melting point standards. <i>Accreditation and Quality Assurance</i> , <b>2012</b> , 17, 283-290	0.7	1
63	The interlaboratory performance of microbiological methods for food analysis. <i>Journal of AOAC INTERNATIONAL</i> , <b>2012</b> , 95, 1433-9	1.7	
62	Dark uncertainty. <i>Accreditation and Quality Assurance</i> , <b>2011</b> , 16, 483-487	0.7	59
61	A standard additions method reduces inhibitor-induced bias in quantitative real-time PCR. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 3221-7	4.4	8
60	The fitness for purpose of randomised experimental designs for analysis of genetically modified ingredients. <i>European Food Research and Technology</i> , <b>2011</b> , 233, 71-78	3.4	1
59	Response to 'About acceptance and rejection zones' <i>Accreditation and Quality Assurance</i> , <b>2010</b> , 15, 49-51	0.7	2
58	Reply to comments on EURACHEM/CITAC guide 'Measurement uncertainty arising from sampling' <i>Accreditation and Quality Assurance</i> , <b>2010</b> , 15, 533-535	0.7	1
57	Evaluation of a novel approach for the measurement of RNA quality. <i>BMC Research Notes</i> , <b>2010</b> , 3, 89	2.3	11
56	CCQM-K61: Quantitation of a linearised plasmid DNA, based on a matched standard in a matrix of non-target DNA. <i>Metrologia</i> , <b>2009</b> , 46, 08021-08021	2.1	1
55	Performance of MM-estimators on multi-modal data shows potential for improvements in consensus value estimation. <i>Accreditation and Quality Assurance</i> , <b>2009</b> , 14, 411-419	0.7	3
54	An international comparability study on quantification of total methyl cytosine content. <i>Analytical Biochemistry</i> , <b>2009</b> , 384, 288-95	3.1	7
53	Standard additions: myth and reality. <i>Analyst, The</i> , <b>2008</b> , 133, 992-7	5	112

52	Treatment of uncorrected measurement bias in uncertainty estimation for chemical measurements. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 201-13	4.4	60
51	On statistics and measurement results in chemistry. <i>Accreditation and Quality Assurance</i> , <b>2008</b> , 13, 111-117	0.7	2
50	Performance of uncertainty evaluation strategies in a food proficiency scheme. <i>Accreditation and Quality Assurance</i> , <b>2008</b> , 13, 231-238	0.7	11
49	Implementation of proficiency testing schemes for a limited number of participants. <i>Accreditation and Quality Assurance</i> , <b>2007</b> , 12, 391-398	0.7	21
48	Handling undetected and low-level components in purity determination. <i>Accreditation and Quality Assurance</i> , <b>2007</b> , 12, 323-328	0.7	3
47	Comparability and compatibility of proficiency testing results in schemes with a limited number of participants. <i>Accreditation and Quality Assurance</i> , <b>2007</b> , 12, 563-567	0.7	8
46	Reporting measurement uncertainty and coverage intervals near natural limits. <i>Analyst, The</i> , <b>2006</b> , 131, 710-7	5	27
45	The International Harmonized Protocol for the proficiency testing of analytical chemistry laboratories (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 145-196	2.1	482
44	Scoring in Genetically Modified Organism Proficiency Tests Based on Log-Transformed Results. <i>Journal of AOAC INTERNATIONAL</i> , <b>2006</b> , 89, 232-239	1.7	16
43	Routes to improving the reliability of low level DNA analysis using real-time PCR. <i>BMC Biotechnology</i> , <b>2006</b> , 6, 33	3.5	101
42	A simple numerical method of estimating the contribution of reference value uncertainties to sample-specific uncertainties in multivariate regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2006</b> , 83, 133-138	3.8	4
41	In defence of the correlation coefficient. <i>Accreditation and Quality Assurance</i> , <b>2006</b> , 11, 146-152	0.7	16
40	Proficiency testing in analytical chemistry, microbiology and laboratory medicine. Working group discussions on current status, problems and future directions. <i>Accreditation and Quality Assurance</i> , <b>2006</b> , 11, 446-450	0.7	1
39	Fitness for purpose. The integrating theme of the revised Harmonised Protocol for Proficiency Testing in Analytical Chemistry Laboratories. <i>Accreditation and Quality Assurance</i> , <b>2006</b> , 11, 373-378	0.7	17
38	Measurement uncertainty and its implications for collaborative study method validation and method performance parameters <b>2005</b> , 37-41		
37	Characterising the performance of qualitative analytical methods: Statistics and terminology. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2005</b> , 24, 468-476	14.6	75
36	A review of interference effects and their correction in chemical analysis with special reference to uncertainty. <i>Accreditation and Quality Assurance</i> , <b>2005</b> , 10, 82-97	0.7	47
35	Including correlation effects in an improved spreadsheet calculation of combined standard uncertainties. <i>Accreditation and Quality Assurance</i> , <b>2005</b> , 10, 338-343	0.7	13

34	Proficiency testing in analytical chemistry, microbiology and laboratory medicine: working group discussions on current practice and future directions. <i>Accreditation and Quality Assurance</i> , <b>2004</b> , 9, 635-647	0.7	2
33	EURACHEM/CITAC Guide: Quantifying Uncertainty in Analytical Measurement, Ellison, S.L.R., Rosslein, M., and Williams, A., Eds., 2nd ed.; translated under the title Rukovodstvo EVRAKhIM/SITAK: Kolichestvennoe opisanie neopredelennosti v analiticheskikh izmereniyakh, Konopel'ko, L.A., Ed., St. Petersburg: Vserossiiskii Nauchno-issledovatel'skii Institut Metrologii im.	1.1	9
32	Disseminating traceability in chemical measurement: Principles of a new EURACHEM/CITAC guide. <i>Accreditation and Quality Assurance</i> , <b>2003</b> , 8, 483-485	0.7	3
31	Complete curve fitting of extraction profiles for estimating uncertainties in recovery estimates. <i>Analyst, The</i> , <b>2003</b> , 128, 493-8	5	2
30	Experimental sensitivity analysis applied to sample preparation uncertainties: are ruggedness tests enough for measurement uncertainty estimates? <b>2003</b> , 170-173		
29	Harmonized guidelines for single-laboratory validation of methods of analysis (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2002</b> , 74, 835-855	2.1	1591
28	A decision theory approach to fitness for purpose in analytical measurement. <i>Analyst, The</i> , <b>2002</b> , 127, 818-24	5	42
27	Uncertainty for reference materials certified by interlaboratory study: Recommendations of an international study group. <i>Accreditation and Quality Assurance</i> , <b>2001</b> , 6, 274-277	0.7	30
26	Experimental sensitivity analysis applied to sample preparation uncertainties: are ruggedness tests enough for measurement uncertainty estimates?. <i>Accreditation and Quality Assurance</i> , <b>2001</b> , 6, 368-371	0.7	1
25	A life cycle approach to method management. <i>Accreditation and Quality Assurance</i> , <b>2001</b> , 6, 340-345	0.7	
24	Experimental studies of uncertainties associated with chromatographic techniques. <i>Journal of Chromatography A</i> , <b>2001</b> , 918, 267-76	4.5	15
23	Measurement of near zero concentration: recording and reporting results that fall close to or below the detection limit. <i>Analyst, The</i> , <b>2001</b> , 126, 256-9	5	15
22	Response surface modelling and kinetic studies for the experimental estimation of measurement uncertainty in derivatisation. <i>Analyst, The</i> , <b>2001</b> , 126, 199-210	5	10
21	Qualitative analysis: a guide to best practice--forensic science extension. <i>Science and Justice - Journal of the Forensic Science Society</i> , <b>2000</b> , 40, 163-70	2	2
20	The evaluation of measurement uncertainty from method validation studies. <i>Accreditation and Quality Assurance</i> , <b>2000</b> , 5, 47-53	0.7	41
19	The evaluation of measurement uncertainty from method validation studies <b>2000</b> , 84-90		
18	The evaluation of measurement uncertainty from method validation studies <b>2000</b> , 91-100		
17	The evaluation of measurement uncertainty from method validation studies <b>2000</b> , 187-196		1

16	The evaluation of measurement uncertainty from method validation studies <b>2000</b> , 180-186		2
15	Harmonized guidelines for the use of recovery information in analytical measurement. <i>Pure and Applied Chemistry</i> , <b>1999</b> , 71, 337-348	2.1	185
14	Estimation of uncertainties in ICP-MS analysis: a practical methodology. <i>Analytica Chimica Acta</i> , <b>1999</b> , 394, 281-291	6.6	31
13	Evaluation of a solid phase extraction procedure for the determination of pesticide residues in foodstuffs. <i>Journal of the Science of Food and Agriculture</i> , <b>1999</b> , 79, 1190-1196	4.3	9
12	Measurement uncertainty: Approaches to the evaluation of uncertainties associated with recovery□ <i>Analyst, The</i> , <b>1999</b> , 124, 981-990	5	87
11	Predicting chance infrared spectroscopic matching frequencies. <i>Analytica Chimica Acta</i> , <b>1998</b> , 370, 181-186		9
10	Estimating measurement uncertainty using a cause and effect and reconciliation approachPart 2.□ Measurement uncertainty estimates compared with collaborative trial expectation□ <i>Analytical Communications</i> , <b>1998</b> , 35, 377-383		23
9	PerspectiveQuantifying uncertainty in qualitative analysis. <i>Analyst, The</i> , <b>1998</b> , 123, 1155-1161	5	46
8	Using validation data for ISO measurement uncertainty estimationPart 1. Principles of an approach using cause and effect analysis. <i>Analyst, The</i> , <b>1998</b> , 123, 1387-1392	5	72
7	Evaluation of Carbon Disulfide as an Alternative to Carbon Tetrachloride for the Determination of Hydrocarbon Oils in Water by Infra-Red Spectrophotometry. <i>International Journal of Environmental Analytical Chemistry</i> , <b>1998</b> , 72, 235-246	1.8	5
6	Handling false negatives, false positives and reporting limits in analytical proficiency tests. <i>Analyst, The</i> , <b>1997</b> , 122, 495-7	5	10
5	Diverse origins of conformational equilibrium isotope effects for hydrogen in 1,3-dioxans. <i>Tetrahedron Letters</i> , <b>1989</b> , 30, 4585-4588	2	8
4	Methane Monooxygenase Biotransformations: Highly Stereoselective Hydroxylation of 3-Methylcyclohexene by Methane Monooxygenase: Steric and Electronic Effects on Product Distribution. <i>Biocatalysis</i> , <b>1988</b> , 1, 197-204		2
3	A theoretical and crystallographic study of the geometries and conformations of fluoro-olefins as peptide analogues. <i>Tetrahedron</i> , <b>1986</b> , 42, 2101-2110	2.4	74
2	Re-examination of a conformational equilibrium isotope effect for hydrogen in 1,1,3,3-tetramethylcyclohexane - the importance of intrinsic isotope effects. <i>Tetrahedron Letters</i> , <b>1985</b> , 26, 2585-2588	2	5
1	Calculated and experimental equilibrium steric isotope effects for carbon in cis-1-[13C]methyl-4-methylcyclohexane. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1984</b> , 1069		2