

Stephen R Ellison

List of Publications by Year in descending order

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90
papers

4,783
citations

304743

22
h-index

95266

68
g-index

95
all docs

95
docs citations

95
times ranked

5280
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing the cost of nitrogen factor studies by use of fractional and algorithmic designs. <i>Food Control</i> , 2021, 123, 107825.	5.5	0
2	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> , 2021, 87, 1119.	3.0	3
3	Final report of CCQM-K86.c. Relative quantification of genomic DNA fragments extracted from a biological tissue. <i>Metrologia</i> , 2020, 57, 08004-08004.	1.2	6
4	Applications of robust estimators of covariance in examination of inter-laboratory study data. <i>Analytical Methods</i> , 2019, 11, 2639-2649.	2.7	1
5	Principles for the assessment of homogeneity and stability in the new ISO Guide 35:2017. <i>Accreditation and Quality Assurance</i> , 2018, 23, 47-51.	0.8	8
6	An outlier-resistant indicator of anomalies among inter-laboratory comparison data with associated uncertainty. <i>Metrologia</i> , 2018, 55, 840-854.	1.2	2
7	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> , 2017, 55, 1397-1406.	2.3	14
8	Method validation in analytical sciences: discussions on current practice and future challenges. <i>Accreditation and Quality Assurance</i> , 2017, 22, 253-263.	0.8	6
9	Is measurement uncertainty from sampling related to analyte concentration?. <i>Analytical Methods</i> , 2017, 9, 5989-5996.	2.7	2
10	Combined uncertainty factor for sampling and analysis. <i>Accreditation and Quality Assurance</i> , 2017, 22, 187-189.	0.8	7
11	Extending digital PCR analysis by modelling quantification cycle data. <i>BMC Bioinformatics</i> , 2016, 17, 421.	2.6	2
12	Poultry marketing controls – Inter-laboratory validation of a method to detect previously frozen chicken breasts by determination of HADH activity. <i>Food Control</i> , 2016, 68, 186-191.	5.5	3
13	An international comparability study on quantification of mRNA gene expression ratios: CCQM-P103.1. <i>Biomolecular Detection and Quantification</i> , 2016, 8, 15-28.	7.0	15
14	A reassessment of pork nitrogen factors. <i>Analytical Methods</i> , 2015, 7, 8997-9004.	2.7	2
15	Uncertainty factor: an alternative way to express measurement uncertainty in chemical measurement. <i>Accreditation and Quality Assurance</i> , 2015, 20, 153-155.	0.8	18
16	Homogeneity studies and ISO Guide 35:2006. <i>Accreditation and Quality Assurance</i> , 2015, 20, 519-528.	0.8	13
17	Impact of Eurachem 25 years of activity. <i>Accreditation and Quality Assurance</i> , 2014, 19, 59-64.	0.8	1
18	Monte Carlo simulation of expert judgments on human errors in chemical analysis – A case study of ICP-MS. <i>Talanta</i> , 2014, 130, 462-469.	5.5	13

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19	Implementing measurement uncertainty for analytical chemistry: the Eurachem Guide for measurement uncertainty. <i>Metrologia</i> , 2014, 51, S199-S205.	1.2	21
20	Outline for the revision of ISO Guide 35. <i>Accreditation and Quality Assurance</i> , 2013, 18, 115-118.	0.8	3
21	Towards an uncertainty paradigm of detection capability. <i>Analytical Methods</i> , 2013, 5, 5857.	2.7	17
22	House-of-security approach to measurement in analytical chemistry: quantification of human error using expert judgments. <i>Accreditation and Quality Assurance</i> , 2013, 18, 459-467.	0.8	13
23	Final report on EURAMET.QM-K12: EURAMET key comparison on the determination of the mass fraction of creatinine in serum. <i>Metrologia</i> , 2013, 50, 08009-08009.	1.2	0
24	Final report on CCQM-K85: Malachite green in fish tissue. <i>Metrologia</i> , 2013, 50, 08010-08010.	1.2	0
25	The Interlaboratory Performance of Microbiological Methods for Food Analysis. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1433-1439.	1.5	0
26	Comparison of microfluidic digital PCR and conventional quantitative PCR for measuring copy number variation. <i>Nucleic Acids Research</i> , 2012, 40, e82-e82.	14.5	356
27	Causes of error in analytical chemistry: results of a web-based survey of proficiency testing participants. <i>Accreditation and Quality Assurance</i> , 2012, 17, 453-464.	0.8	18
28	Use of a replicated Latin square design in a homogeneity test for high purity organic melting point standards. <i>Accreditation and Quality Assurance</i> , 2012, 17, 283-290.	0.8	1
29	Dark uncertainty. <i>Accreditation and Quality Assurance</i> , 2011, 16, 483-487.	0.8	96
30	A standard additions method reduces inhibitor-induced bias in quantitative real-time PCR. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3221-3227.	3.7	10
31	The fitness for purpose of randomised experimental designs for analysis of genetically modified ingredients. <i>European Food Research and Technology</i> , 2011, 233, 71-78.	3.3	1
32	Response to "About acceptance and rejection zones". <i>Accreditation and Quality Assurance</i> , 2010, 15, 49-51.	0.8	4
33	Reply to comments on EURACHEM/CITAC guide "Measurement uncertainty arising from sampling". <i>Accreditation and Quality Assurance</i> , 2010, 15, 533-535.	0.8	3
34	Evaluation of a novel approach for the measurement of RNA quality. <i>BMC Research Notes</i> , 2010, 3, 89.	1.4	11
35	CCQM-K61: Quantitation of a linearised plasmid DNA, based on a matched standard in a matrix of non-target DNA. <i>Metrologia</i> , 2009, 46, 08021-08021.	1.2	2
36	Performance of MM-estimators on multi-modal data shows potential for improvements in consensus value estimation. <i>Accreditation and Quality Assurance</i> , 2009, 14, 411-419.	0.8	4

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37	An international comparability study on quantification of total methyl cytosine content. <i>Analytical Biochemistry</i> , 2009, 384, 288-295.	2.4	9
38	Treatment of uncorrected measurement bias in uncertainty estimation for chemical measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 201-213.	3.7	68
39	On "statistics and measurement results in chemistry". <i>Accreditation and Quality Assurance</i> , 2008, 13, 111-112.	0.8	2
40	Performance of uncertainty evaluation strategies in a food proficiency scheme. <i>Accreditation and Quality Assurance</i> , 2008, 13, 231-238.	0.8	13
41	Standard additions: myth and reality. <i>Analyst, The</i> , 2008, 133, 992.	3.5	136
42	Implementation of proficiency testing schemes for a limited number of participants. <i>Accreditation and Quality Assurance</i> , 2007, 12, 391-398.	0.8	24
43	Handling undetected and low-level components in purity determination. <i>Accreditation and Quality Assurance</i> , 2007, 12, 323-328.	0.8	3
44	Comparability and compatibility of proficiency testing results in schemes with a limited number of participants. <i>Accreditation and Quality Assurance</i> , 2007, 12, 563-567.	0.8	9
45	Reporting measurement uncertainty and coverage intervals near natural limits. <i>Analyst, The</i> , 2006, 131, 710.	3.5	30
46	The International Harmonized Protocol for the proficiency testing of analytical chemistry laboratories (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2006, 78, 145-196.	1.9	568
47	Scoring in Genetically Modified Organism Proficiency Tests Based on Log-Transformed Results. <i>Journal of AOAC INTERNATIONAL</i> , 2006, 89, 232-239.	1.5	16
48	Routes to improving the reliability of low level DNA analysis using real-time PCR. <i>BMC Biotechnology</i> , 2006, 6, 33.	3.3	134
49	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> , 2006, 83, 133-138.	3.5	5
50	In defence of the correlation coefficient. <i>Accreditation and Quality Assurance</i> , 2006, 11, 146-152.	0.8	21
51	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> , 2006, 11, 446-450.	0.8	2
52	Fitness for purpose "the integrating theme of the revised Harmonised Protocol for Proficiency Testing in Analytical Chemistry Laboratories. <i>Accreditation and Quality Assurance</i> , 2006, 11, 373-378.	0.8	19
53	Characterising the performance of qualitative analytical methods: Statistics and terminology. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 468-476.	11.4	95
54	A review of interference effects and their correction in chemical analysis with special reference to uncertainty. <i>Accreditation and Quality Assurance</i> , 2005, 10, 82-97.	0.8	58

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55	Including correlation effects in an improved spreadsheet calculation of combined standard uncertainties. Accreditation and Quality Assurance, 2005, 10, 338-343.	0.8	22
56	Measurement uncertainty and its implications for collaborative study method validation and method performance parameters. , 2005, , 37-41.		0
57	Proficiency testing in analytical chemistry, microbiology and laboratory medicine: working group discussions on current practice and future directions. Accreditation and Quality Assurance, 2004, 9, 635-641.	0.8	2
58	Title is missing!. Journal of Analytical Chemistry, 2003, 58, 191-191.	0.9	9
59	Disseminating traceability in chemical measurement: Principles of a new EURACHEM/CITAC guide. Accreditation and Quality Assurance, 2003, 8, 483-485.	0.8	10
60	Complete curve fitting of extraction profiles for estimating uncertainties in recovery estimates. Analyst, The, 2003, 128, 493-498.	3.5	2
61	Experimental sensitivity analysis applied to sample preparation uncertainties: are ruggedness tests enough for measurement uncertainty estimates?. , 2003, , 170-173.		2
62	Harmonized guidelines for single-laboratory validation of methods of analysis (IUPAC Technical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.9	1,965
63	A decision theory approach to fitness for purpose in analytical measurement. Analyst, The, 2002, 127, 818-824.	3.5	51
64	Measurement of near zero concentration: recording and reporting results that fall close to or below the detection limit. Analyst, The, 2001, 126, 256-259.	3.5	23
65	Response surface modelling and kinetic studies for the experimental estimation of measurement uncertainty in derivatisation. Analyst, The, 2001, 126, 199-210.	3.5	11
66	Uncertainty for reference materials certified by interlaboratory study: Recommendations of an international study group. Accreditation and Quality Assurance, 2001, 6, 274-277.	0.8	34
67	Experimental sensitivity analysis applied to sample preparation uncertainties: are ruggedness tests enough for measurement uncertainty estimates?. Accreditation and Quality Assurance, 2001, 6, 368-371.	0.8	1
68	A life cycle approach to method management. Accreditation and Quality Assurance, 2001, 6, 340-345.	0.8	0
69	Experimental studies of uncertainties associated with chromatographic techniques. Journal of Chromatography A, 2001, 918, 267-276.	3.7	18
70	Qualitative analysis: A guide to best practice " forensic science extension. Science and Justice - Journal of the Forensic Science Society, 2000, 40, 163-170.	2.1	4
71	The evaluation of measurement uncertainty from method validation studies. Accreditation and Quality Assurance, 2000, 5, 47-53.	0.8	43
72	The evaluation of measurement uncertainty from method validation studies. , 2000, , 84-90.		0

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73	The evaluation of measurement uncertainty from method validation studies. , 2000, , 91-100.		1
74	The evaluation of measurement uncertainty from method validation studies. , 2000, , 187-196.		2
75	The evaluation of measurement uncertainty from method validation studies. , 2000, , 180-186.		2
76	Harmonized guidelines for the use of recovery information in analytical measurement. Pure and Applied Chemistry, 1999, 71, 337-348.	1.9	237
77	Estimation of uncertainties in ICP-MS analysis: a practical methodology. Analytica Chimica Acta, 1999, 394, 281-291.	5.4	36
78	Evaluation of a solid phase extraction procedure for the determination of pesticide residues in foodstuffs. Journal of the Science of Food and Agriculture, 1999, 79, 1190-1196.	3.5	9
79	Measurement uncertainty: Approaches to the evaluation of uncertainties associated with recovery. Analyst, The, 1999, 124, 981-990.	3.5	102
80	Predicting chance infrared spectroscopic matching frequencies. Analytica Chimica Acta, 1998, 370, 181-190.	5.4	9
81	Estimating measurement uncertainty using a cause and effect and reconciliation approach Part 2. Measurement uncertainty estimates compared with collaborative trial expectation. Analytical Communications, 1998, 35, 377-383.	2.2	28
82	Perspective Quantifying uncertainty in qualitative analysis. Analyst, The, 1998, 123, 1155-1161.	3.5	51
83	Using validation data for ISO measurement uncertainty estimation Part 1. Principles of an approach using cause and effect analysis. Analyst, The, 1998, 123, 1387-1392.	3.5	92
84	Evaluation of Carbon Disulfide as an Alternative to Carbon Tetrachloride for the Determination of Hydrocarbon Oils in Water by Infra-Red Spectrophotometry. International Journal of Environmental Analytical Chemistry, 1998, 72, 235-246.	3.3	7
85	Handling False Negatives, False Positives and Reporting Limits in Analytical Proficiency Tests. Analyst, The, 1997, 122, 495-497.	3.5	13
86	Diverse origins of conformational equilibrium isotope effects for hydrogen in 1,3-dioxans. Tetrahedron Letters, 1989, 30, 4585-4588.	1.4	9
87	Methane Monooxygenase Biotransformations: Highly Stereoselective Hydroxylation of 3-Methylcyclohexene by Methane Monooxygenase: Steric and Electronic Effects on Product Distribution. Biocatalysis, 1988, 1, 197-204.	0.9	2
88	A theoretical and crystallographic study of the geometries and conformations of fluoro-olefins as peptide analogues. Tetrahedron, 1986, 42, 2101-2110.	1.9	85
89	Re-examination of a conformational equilibrium isotope effect for hydrogen in 1,1,3,3-tetramethylcyclohexane - the importance of intrinsic isotope effects. Tetrahedron Letters, 1985, 26, 2585-2588.	1.4	6
90	Calculated and experimental equilibrium steric isotope effects for carbon in cis-1-[13C]methyl-4-methylcyclohexane. Journal of the Chemical Society Chemical Communications, 1984, , 1069.	2.0	2