Michael H Ramsey

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8238736/publications.pdf

Version: 2024-02-01

113	3,959	126907	133252
papers	citations	33 h-index	59 g-index

119	119	119	3069
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial Modelling of Concentration in Topsoil Using Random and Systematic Uncertainty Components: Comparison against Established Techniques. Analytical Letters, 2022, 55, 2199-2219.	1.8	3
2	Comparing uncertaintiesâ€"Are they really different?. Accreditation and Quality Assurance, 2022, 27, 133-142.	0.8	4
3	Challenges for the estimation of uncertainty of measurements made in situ. Accreditation and Quality Assurance, 2021, 26, 183-192.	0.8	5
4	Confidence intervals for robust estimates of measurement uncertainty. Accreditation and Quality Assurance, 2020, 25, 107-119.	0.8	12
5	Quantifying Isotopic Heterogeneity of Candidate Reference Materials at the Picogram Sampling Scale. Geostandards and Geoanalytical Research, 2018, 42, 5-24.	3.1	11
6	Quantifying Heterogeneity of Small Test Portion Masses of Geological Reference Materials by Portable XRF Spectrometry: Implications for Uncertainty of Reference Values. Geostandards and Geoanalytical Research, 2017, 41, 459-473.	3.1	8
7	Is measurement uncertainty from sampling related to analyte concentration?. Analytical Methods, 2017, 9, 5989-5996.	2.7	2
8	Combined uncertainty factor for sampling and analysis. Accreditation and Quality Assurance, 2017, 22, 187-189.	0.8	7
9	Appropriate Sampling for Optimised Measurement (<scp>ASOM</scp>), rather than the Theory of Sampling (<scp>TOS</scp>) Approach, to Ensure Suitable Measurement Quality: A Refutation of Esbensen and Wagner (2014). Geostandards and Geoanalytical Research, 2016, 40, 571-581.	3.1	5
10	Uncertainty factor: an alternative way to express measurement uncertainty in chemical measurement. Accreditation and Quality Assurance, 2015, 20, 153-155.	0.8	18
11	Evaluation of uncertainties inin situandex situgamma measurements on land areas with low contamination levels. Journal of Radiological Protection, 2015, 35, 391-399.	1.1	3
12	Comparison betweenin situandex situgamma measurements on land areas within a decommissioning nuclear site: a case study at Dounreay. Journal of Radiological Protection, 2014, 34, 495-508.	1.1	12
13	Optimising in situ gamma measurements to identify the presence of radioactive particles in land areas. Journal of Environmental Radioactivity, 2014, 138, 162-169.	1.7	2
14	Methodology for profiling anti-androgen mixtures in river water using multiple passive samplers and bioassay-directed analyses. Water Research, 2014, 57, 258-269.	11.3	46
15	Evaluation of In Situ Heterogeneity of Elements in Solids: Implications for Analytical Geochemistry. Geostandards and Geoanalytical Research, 2013, 37, 379-391.	3.1	15
16	Rapid and accurate analyses of silicon and phosphorus in plants using a portable Xâ€ray fluorescence spectrometer. New Phytologist, 2012, 195, 699-706.	7.3	191
17	Can in situ geochemical measurements be more fit-for-purpose than those made ex situ?. Applied Geochemistry, 2012, 27, 969-976.	3.0	33
18	Judging the fitness of on-site measurements by their uncertainty, including the contribution from sampling. Science of the Total Environment, 2012, 419, 196-207.	8.0	13

#	Article	IF	Citations
19	Cost effective, robust estimation of measurement uncertainty from sampling using unbalanced ANOVA. Accreditation and Quality Assurance, 2012, 17, 7-14.	0.8	22
20	Improved evaluation of measurement uncertainty from sampling by inclusion of between-sampler bias using sampling proficiency testing. Analyst, The, 2011, 136, 1313.	3.5	20
21	An Exploration of the Interplay between the Measurement Uncertainty and the Number of Samples in Contaminated Land Investigations. Geostandards and Geoanalytical Research, 2011, 35, 353-367.	3.1	3
22	Quality in Measurement and Testing. , 2011, , 39-141.		1
23	Reply to comments on EURACHEM/CITAC guide â€œMeasurement uncertainty arising from samplingâ€• Accreditation and Quality Assurance, 2010, 15, 533-535.	0.8	3
24	Chemical speciation and bioaccessibility of lead in surface soil and house dust, Lavrion urban area, Attiki, Hellas. Environmental Geochemistry and Health, 2010, 32, 529-552.	3.4	34
25	Uncertainty of measurement or of mean value for the reliable classification of contaminated land. Science of the Total Environment, 2010, 409, 423-429.	8.0	5
26	How Terminology and Definitions in Analytical Geochemistry can Help or Hinder the Development of New Ideas. Geostandards and Geoanalytical Research, 2010, 34, 317-324.	3.1	3
27	New Approach to Geochemical Measurement: Estimation of Measurement Uncertainty from Sampling, rather than an Assumption of Representative Sampling. Geostandards and Geoanalytical Research, 2010, 34, 293-304.	3.1	5
28	Multiple links towards integrating teams for understanding of disease and environment (MULTITUDE). Environmental Geochemistry and Health, 2009, 31, 161-163.	3.4	3
29	Response to comment on â€˜Empirical versus modelling approaches to the estimation of measurement uncertainty caused by primary samplingâ€™. Analyst, The, 2009, 134, 1936.	3.5	1
30	Uncertainty in the assessment of hazard, exposure and risk. Environmental Geochemistry and Health, 2009, 31, 205-217.	3.4	24
31	The duplicate method of uncertainty estimation: are eight targets enough?. Analyst, The, 2007, 132, 1147.	3.5	44
32	Empirical versus modelling approaches to the estimation of measurement uncertainty caused by primary sampling. Analyst, The, 2007, 132, 1231.	3.5	24
33	Estimating and Optimising Analytical and Sampling Uncertainty in Environmental Investigations: Application and Evaluation. Geostandards and Geoanalytical Research, 2007, 31, 237-249.	1.9	8
34	Modifying uncertainty from sampling to achieve fitness for purpose: a case study on nitrate in lettuce. Accreditation and Quality Assurance, 2007, 12, 67-74.	0.8	23
35	Uncertainty from sampling, in the context of fitness for purpose. Accreditation and Quality Assurance, 2007, 12, 503-513.	0.8	45
36	Uncertainty from sampling: workshop to launch a Nordtest handbook on sampling uncertainty estimation and control. Accreditation and Quality Assurance, 2007, 12, 377-381.	0.8	10

#	Article	IF	Citations
37	Improved reliability in the interpretation of geochemical measurements by the quantification of uncertainty from sampling. Diqiu Huaxue, 2006, 25, 209-210.	0.5	0
38	Effect of scale of Cd heterogeneity and timing of exposure on the Cd uptake and shoot biomass, of plants with a contrasting root morphology. Science of the Total Environment, 2006, 367, 958-967.	8.0	12
39	Effect of alkaline pH and associated Zn on the concentration and total uptake of Cd by lettuce: comparison with predictions from the CLEA model. Science of the Total Environment, 2005, 347, 53-63.	8.0	22
40	Two-stage application of the optimised uncertainty method: a practical assessment. Analyst, The, 2005, 130, 1271.	3.5	10
41	Optimising uncertainty in physical sample preparation. Analyst, The, 2005, 130, 1507.	3.5	7
42	Spatial contaminant heterogeneity: quantification with scale of measurement at contrasting sites. Journal of Environmental Monitoring, 2005, 7, 1364.	2.1	25
43	Effect of cadmium, zinc and substrate heterogeneity on yield, shoot metal concentration and metal uptake by Brassica juncea : implications for human health risk assessment and phytoremediation. New Phytologist, 2004, 163, 313-324.	7.3	54
44	Sampling the Environment: Twelve Key Questions That Need Answers. Geostandards and Geoanalytical Research, 2004, 28, 251-261.	1.9	7
45	Heterogeneity of cadmium concentration in soil as a source of uncertainty in plant uptake and its implications for human health risk assessment. Science of the Total Environment, 2004, 326, 49-53.	8.0	49
46	When is sampling part of the measurement process?. Accreditation and Quality Assurance, 2004, 9, 727-728.	0.8	19
47	Balancing Measurement Uncertainty against Financial Benefits:Â Comparison of In Situ and Ex Situ Analysis of Contaminated Land. Environmental Science & Technology, 2004, 38, 6824-6831.	10.0	30
48	Measurement uncertainty from physical sample preparation: estimation including systematic error. Analyst, The, 2003, 128, 1391.	3.5	50
49	Multi-analyte optimisation of uncertainty in infant food analysis. Analyst, The, 2003, 128, 379-388.	3.5	15
50	Optimized contaminated land investigation at minimum overall cost to achieve fitness-for-purpose. Journal of Environmental Monitoring, 2002, 4, 809-814.	2.1	37
51	Optimised uncertainty in food analysis: application and comparison between four contrasting â€˜analyteâ€“commodityâ€™ combinations. Analyst, The, 2002, 127, 1252-1260.	3.5	27
52	Portable X-ray fluorescence in the characterisation of arsenic contamination associated with industrial buildings at a heritage arsenic works site near Redruth, Cornwall, UK. Journal of Environmental Monitoring, 2002, 4, 1017-1024.	2.1	32
53	Appropriate rather than representative sampling, based on acceptable levels of uncertainty. Accreditation and Quality Assurance, 2002, 7, 274-280.	0.8	19
54	Appropriate rather than representative sampling, based on acceptable levels of uncertainty. , 2002, , 163-169.		2

#	Article	IF	Citations
55	Optimised uncertainty at minimum overall cost to achieve fitness-for-purpose in food analysis. Analyst, The, 2001, 126, 1777-1783.	3.5	46
56	Buffering from secondary minerals as a migration limiting factor in lead polluted soils at historical smelting sites. Applied Geochemistry, 2001, 16, 1193-1199.	3.0	25
57	Modelling measurement uncertainty as a function of concentration: an example from a contaminated land investigation. Analyst, The, 2001, 126, 1784-1791.	3.5	23
58	InterÂorganisational sampling trials for the uncertainty estimation of landfill gas measurements. Journal of Environmental Monitoring, 2001, 3, 288-294.	2.1	16
59	Spatially Resolved Hazard and Exposure Assessments: An Example of Lead in Soil at Lavrion, Greece. Environmental Research, 2000, 82, 33-45.	7.5	30
60	Heavy metal distribution in sediment profiles of the Pearl River estuary, South China. Applied Geochemistry, 2000, 15, 567-581.	3.0	320
61	The potential of multivariate quality control as a diagnostic tool in geoanalysis. Analyst, The, 2000, 125, 2032-2037.	3.5	8
62	Collaborative trial in sampling for the spatial delineation of contamination and the estimation of uncertainty. Analyst, The, 2000, 125, 139-145.	3.5	17
63	Sampling proficiency test for the estimation of uncertainty in the spatial delineation of contamination. Analyst, The, 2000, 125, 2026-2031.	3.5	14
64	Environmental and Agricultural Applications of Atomic Spectroscopy*. , 1999, , 494-501.		2
65	Synthetic reference sampling target for the estimation of measurement uncertainty. Analyst, The, 1999, 124, 1701-1706.	3.5	23
66	Total and exchangeable concentrations of heavy metals in soils near Bytom, an area of Pb/Zn mining and smelting in Upper Silesia, Poland. Applied Geochemistry, 1999, 14, 187-196.	3.0	121
67	Sampling as a source of measurement uncertainty: techniques for quantification and comparison with analytical sources. Journal of Analytical Atomic Spectrometry, 1998, 13, 97-104.	3.0	120
68	Sampling and Analytical Quality Control of the Determination of Aluminium in Soybean Leaves. Analyst, The, 1997, 122, 421-424.	3.5	3
69	Evaluation of Portable X-ray Fluorescence Instrumentation for in situ Measurements of Lead on Contaminated Land. Analyst, The, 1997, 122, 743-749.	3.5	86
70	Measurement Uncertainty Arising From Sampling: Implications for the Objectives of Geoanalysisâ€. Analyst, The, 1997, 122, 1255-1260.	3.5	48
71	Determination of the extent of anthropogenic Pb migration through fractured sandstone using Pb isotope tracing. Applied Geochemistry, 1997, 12, 75-81.	3.0	21
72	Estimation of measurement uncertainty from field sampling: implications for the classification of contaminated land. Science of the Total Environment, 1997, 198, 243-257.	8.0	121

#	Article	IF	Citations
73	Mineralogy and weathering processes in historical smelting slags and their effect on the mobilisation of lead. Journal of Geochemical Exploration, 1997, 58, 249-257.	3.2	93
74	Source identification of PbZn contamination in the Allen Basin, Cornwall, S.W. England. Applied Geochemistry, 1996, 11, 61-68.	3.0	12
75	Heavy metal contamination of soils around a PbZn smelter in Bukowno, Poland. Applied Geochemistry, 1996, 11, 11-16.	3.0	93
76	Effect of soil pH on A1 availability in soils and its uptake by the soybean plant (Glycine max). Journal of Geochemical Exploration, 1995, 55, 223-230.	3.2	18
77	An objective assessment of analytical method precision: comparison of ICP-AES and XRF for the analysis of silicate rocks. Chemical Geology, 1995, 124, 1-19.	3.3	133
78	Sequential extraction of soils for multielement analysis by ICP-AES. Chemical Geology, 1995, 124, 109-123.	3.3	297
79	Proficiency testing in sampling: pilot study on contaminated land. Analyst, The, 1995, 120, 2799.	3.5	43
80	Estimation of sampling bias between different sampling protocols on contaminated land. Analyst, The, 1995, 120, 1353.	3.5	47
81	Chemical partitioning of the new National Institute of Standards and Technology standard reference materials (SRM 2709â€“2711) by sequential extraction using inductively coupled plasma atomic emission spectrometry. Analyst, The, 1995, 120, 1415-1419.	3.5	70
82	On the collaborative trial in sampling. Analyst, The, 1995, 120, 2309.	3.5	39
83	Improved detection limits for transient signal analysis of fluid inclusions by inductively coupled plasma atomic emission spectrometry using correlated background correction. Analyst, The, 1995, 120, 1421.	3.5	9
84	Quality concepts and practices applied to samplingâ€”an exploratory study. Analyst, The, 1995, 120, 261-270.	3.5	95
85	Laser ablation-ICP-AES for the determination of metals in fluid inclusions: An application to the study of magmatic ore fluids. Geochimica Et Cosmochimica Acta, 1994, 58, 1133-1146.	3.9	30
86	Influence of soil-extractable aluminium and pH on the uptake of aluminium from soil into the soybean plant (Glycine max). Environmental Geochemistry and Health, 1993, 15, 105-111.	3.4	5
87	Microanalysis of primary fluid inclusions in halite: constraints for an evaporitic sedimentation modeling. Application to the Mulhouse Basin (France). Organic Geochemistry, 1993, 20, 1139-1151.	1.8	8
88	Productivity enhancement in atomic spectroscopy. Appropriate precision: matching analytical precision specifications to the particular application. Analytical Proceedings, 1993, 30, 110.	0.4	3
89	Sampling and analytical quality Control (SAX) for improved error estimation in the measurement of Pb in the environment using robust analysis of variance. Applied Geochemistry, 1993, 8, 149-153.	3.0	30
90	Single fluid inclusion analysis by laser ablation inductively coupled plasma atomic emission spectrometry: quantification and validation. Journal of Analytical Atomic Spectrometry, 1992, 7, 587.	3.0	16

#	Article	IF	Citations
91	The composition of hypersaline, iron-rich granitic fluids based on laser-ICP and Synchrotron-XRF microprobe analysis of individual fluid inclusions in topaz, Mole granite, eastern Australia. Geochimica Et Cosmochimica Acta, 1992, 56, 67-79.	3.9	89
92	Objective evaluation of precision requirements for geochemical analysis using robust analysis of variance. Journal of Geochemical Exploration, 1992, 44, 23-36.	3.2	117
93	Strategies of multielement calibration for maximising the accuracy of geochemical analysis by inductively coupled plasma-atomic emission spectrometry. Chemical Geology, 1992, 95, 99-112.	3.3	4
94	Chemical and structural characterisation of iron cores of haemosiderins isolated from different sources. FEBS Journal, 1992, 209, 847-850.	0.2	20
95	Atomic Spectrometry Updateâ€"Environmental Analysis. Journal of Analytical Atomic Spectrometry, 1991, 6, 1R-40R.	3.0	9
96	Biochemical and biophysical investigations of the ferrocene-iron-loaded rat. An animal model of primary haemochromatosis. FEBS Journal, 1991, 202, 405-410.	0.2	46
97	Discrimination between aluminium held within vegetation and that contributed by soil contamination using a combination of Electron Probe Micro Analysis (EPMA) and Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES). Environmental Geochemistry and Health, 1991, 13, 114-118.	3.4	9
98	Atomic Spectrometry Updateâ€"Environmental Analysis. Journal of Analytical Atomic Spectrometry, 1990, 5, 1R-55R.	3.0	9
99	Extrapolation to infinite dilution: a method for overcoming matrix effects. Journal of Analytical Atomic Spectrometry, 1990, 5, 701.	3.0	23
100	A cautionary tale of principal component analysis: an example from inductively-coupled plasma/atomic emission spectrometry. Analytica Chimica Acta, 1988, 206, 203-214.	5.4	4
101	Atomic Spectrometry Updateâ€"Minerals, Refractories, Chemicals and Metals. Journal of Analytical Atomic Spectrometry, 1988, 3, 203R-253R.	3.0	4
102	Analytical viewpoint. Realistic assessment of analytical data quality from inductively coupled plasma atomic emission spectrometry. Analytical Proceedings, 1987, 24, 260.	0.4	67
103	Self-matrix effects as a cause of calibration curvature in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1987, 2, 33.	3.0	13
104	High-accuracy analysis by inductively coupled plasma atomic emission spectrometry using the parameter-related internal standard method. Journal of Analytical Atomic Spectrometry, 1987, 2, 497.	3.0	51
105	Correction of matrix effects in inductively coupled plasma atomic emission spectrometry by interactive power adjustment. Journal of Analytical Atomic Spectrometry, 1987, 2, 185.	3.0	26
106	A predictive model of plasma matrix effects in inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1986, 1, 185.	3.0	57
107	Correlated variance in simultaneous inductively coupled plasma atomic-emission spectrometry: its causes and correction by a parameter-related internal standard method. Analyst, The, 1985, 110, 519.	3.5	56
108	Matrix effects due to calcium in inductively coupled plasma atomic-emission spectrometry: their nature, source and remedy. Analyst, The, 1985, 110, 1413.	3.5	94

#	Article	IF	Citations
109	Communication. Improved precision in inductively coupled plasma atomic-emission spectrometry by a parameter-related internal standard method. Analyst, The, 1984, 109, 1625.	3.5	25
110	Modified concentric glass nebulizer for reduction of memory effects in inductively coupled plasma spectrometry. Analytical Chemistry, 1983, 55, 1626-1629.	6.5	12
111	Water analysis by inductively coupled plasma atomic-emission spectrometry after a rapid pre-concentration. Analyst, The, 1982, 107, 1330.	3.5	24
112	Communication. Interactive matrix matching: a new method of correcting interference effects in inductively coupled plasma spectrometry. Analyst, The, 1982, 107, 1286.	3.5	21
113	Error Estimation in Environmental Sampling and Analysis. , 0, , 93-108.		7