

Juris Meija

List of Publications by Year in descending order

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189
papers

4,648
citations

156536

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129628

63
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197
all docs

197
docs citations

197
times ranked

4935
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlaboratory comparisons of chemical measurements: Quo Vadis?. Accreditation and Quality Assurance, 2023, 28, 89-93.	0.4	2
2	Thermal stability of cannabinoids in dried cannabis: a kinetic study. Analytical and Bioanalytical Chemistry, 2022, 414, 377-384.	1.9	24
3	Certification of Uranium Isotope Amount Ratios in a Suite of Uranium Ore Concentrate Certified Reference Materials. Geostandards and Geoanalytical Research, 2022, 46, 43-56.	1.7	7
4	Data averaging challenge. Analytical and Bioanalytical Chemistry, 2022, 414, 29-30.	1.9	1
5	Final report on CCQM-K167: carbon isotope delta measurements of vanillin. Metrologia, 2022, 59, 08004.	0.6	4
6	Final report on pilot study CCQM-P211: carbon isotope delta measurements of vanillin. Metrologia, 2022, 59, 08005.	0.6	1
7	Solution to isotope delta challenge. Analytical and Bioanalytical Chemistry, 2022, 414, 2793-2793.	1.9	0
8	Production and stability of Oxygen-18 labeled Caribbean ciguatoxins and gambierones. Toxicon, 2022, 211, 11-20.	0.8	6
9	The unit that shall not be named. Nature Physics, 2022, 18, 602-602.	6.5	1
10	Standard atomic weights of the elements 2021 (IUPAC Technical Report). Pure and Applied Chemistry, 2022, 94, 573-600.	0.9	57
11	Errors-in-variables calibration with dark uncertainty. Metrologia, 2022, 59, 045002.	0.6	3
12	Solution to the data averaging challenge. Analytical and Bioanalytical Chemistry, 2022, 414, 4537-4538.	1.9	0
13	Particle size distributions for cellulose nanocrystals measured by atomic force microscopy: an interlaboratory comparison. Cellulose, 2021, 28, 1387-1403.	2.4	27
14	Preparation and certification of natural and ⁸² Se-labelled selenomethionine reference materials. Journal of Analytical Atomic Spectrometry, 2021, 36, 416-428.	1.6	5
15	Determination of the Isotopic Composition of Zirconium Using MC-ICPMS and a Regression Model for Mass Bias Correction. Analytical Chemistry, 2021, 93, 5107-5113.	3.2	6
16	Interpretation and use of standard atomic weights (IUPAC Technical Report). Pure and Applied Chemistry, 2021, 93, 629-646.	0.9	11
17	A tool to evaluate nonlinearity in calibration curves involving isotopic internal standards in mass spectrometry. International Journal of Mass Spectrometry, 2021, 464, 116557.	0.7	11
18	Solution to trifluoroacetic acid NMR challenge. Analytical and Bioanalytical Chemistry, 2021, 413, 4109-4110.	1.9	0

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19	Discontinuity in the Realization of the Vienna Pee Dee Belemnite Carbon Isotope Ratio Scale. <i>Analytical Chemistry</i> , 2021, 93, 10740-10743.	3.2	8
20	Politics at the periodic table. <i>Nature Chemistry</i> , 2021, 13, 814-816.	6.6	2
21	Isotope delta challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5923-5924.	1.9	0
22	Trifluoroacetic acid NMR challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1-2.	1.9	14
23	Determination of the isotopic composition of lutetium using MC-ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6257-6263.	1.9	5
24	Development of low and elevated level multivitamin and mineral supplement certified reference materials: VITA-1 and VITB-1. <i>Accreditation and Quality Assurance</i> , 2020, 25, 201-220.	0.4	2
25	Particle Size Distributions for Cellulose Nanocrystals Measured by Transmission Electron Microscopy: An Interlaboratory Comparison. <i>Analytical Chemistry</i> , 2020, 92, 13434-13442.	3.2	29
26	Application of regression methods to solve general isotope dilution measurement equations. <i>Metrologia</i> , 2020, 57, 025016.	0.6	4
27	CRM rapid response approach for the certification of arsenic species and toxic trace elements in baby cereal coarse rice flour certified reference material BARI-1. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4363-4373.	1.9	1
28	Solution to elemental pub quiz challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1961-1961.	1.9	0
29	Determination of the Isotopic Composition of Gadolinium Using Multicollector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 6103-6110.	3.2	5
30	The comparability of the determination of the molar mass of silicon highly enriched in ²⁸ Si: results of the CCQM-P160 interlaboratory comparison and additional external measurements. <i>Metrologia</i> , 2020, 57, 065028.	0.6	7
31	IUPAC Periodic Table Challenge. <i>Chemistry International</i> , 2020, 42, 18-21.	0.3	0
32	Solution to titration endpoint challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3705-3706.	1.9	2
33	Determination of the isotopic composition of hafnium using MC-ICPMS. <i>Metrologia</i> , 2019, 56, 044008.	0.6	9
34	Determination of the isotopic composition of tungsten using MC-ICP-MS. <i>Analytica Chimica Acta</i> , 2019, 1089, 19-24.	2.6	9
35	Mole: The unit of chemical amount. <i>IEEE Instrumentation and Measurement Magazine</i> , 2019, 22, 21-24.	1.2	1
36	Elemental pub quiz challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6531-6532.	1.9	2

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37	Certification of nitrate in spinach powder reference material SPIN-1 by high-precision isotope dilution GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3435-3445.	1.9	10
38	Isotopic Abundances and Atomic Weights: IUPAC Commission II.1 Today. <i>Chemistry International</i> , 2019, 41, 24-26.	0.3	0
39	High-Precision Measurements of the Isotopic Composition of Common Lead Using MC-ICPMS: Comparison of Calibration Strategies Based on Full Gravimetric Isotope Mixture and Regression Models. <i>Analytical Chemistry</i> , 2019, 91, 4164-4171.	3.2	19
40	The role of ICP-MS in inorganic chemical metrology. <i>Metrologia</i> , 2019, 56, 034005.	0.6	20
41	Certification of Ochratoxin A Reference Materials: Calibration Solutions OTAN-1 and OTAL-1 and a Mycotoxin-Contaminated Rye Flour MYCO-1. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1756-1766.	0.7	2
42	Novel Microcystins from <i>Planktothrix prolifica</i> NIVA-CYA 544 Identified by LC-MS/MS, Functional Group Derivatization and ¹⁵ N-labeling. <i>Marine Drugs</i> , 2019, 17, 643.	2.2	16
43	Certification of Ochratoxin A Reference Materials: Calibration Solutions OTAN-1 and OTAL-1 and a Mycotoxin-Contaminated Rye Flour MYCO-1. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1756-1766.	0.7	4
44	Three certified sugar reference materials for carbon isotope delta measurements. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 272-280.	0.7	11
45	Titration endpoint challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1-2.	1.9	13
46	Mass fraction assignment of Amino Acids in acidic aqueous solution (CCQM-K78.a). <i>Metrologia</i> , 2019, 56, 08010.	0.6	2
47	High polarity analytes in food - enrofloxacin and sulfadiazine in bovine tissue (CCQM-K141). <i>Metrologia</i> , 2019, 56, 08005.	0.6	2
48	Interpreting and propagating the uncertainty of the standard atomic weights (IUPAC Technical) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.9	17
49	Definition of the mole (IUPAC Recommendation 2017). <i>Pure and Applied Chemistry</i> , 2018, 90, 175-180.	0.9	32
50	Inter-laboratory study for the certification of trace elements in seawater certified reference materials NASS-7 and CASS-6. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 4469-4479.	1.9	20
51	Uncertainty evaluation in normalization of isotope delta measurement results against international reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1061-1069.	1.9	12
52	A critical review on isotopic fractionation correction methods for accurate isotope amount ratio measurements by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1849-1861.	1.6	74
53	Determination of the Isotopic Composition of Osmium Using MC-ICPMS. <i>Analytical Chemistry</i> , 2018, 90, 9281-9288.	3.2	20
54	Purity assignment for peptide certified reference materials by combining qNMR and LC-MS/MS amino acid analysis results: application to angiotensin II. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6719-6731.	1.9	28

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55	Assessing MS-based quantitation strategies for low-level impurities in peptide reference materials: application to angiotensin II. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6963-6972.	1.9	5
56	Final report of the SIM.QM-S7 supplementary comparison, trace metals in drinking water. <i>Metrologia</i> , 2018, 55, 08002-08002.	0.6	4
57	Final report of the SIM.QM-S8 supplementary comparison, trace metals in drinking water. <i>Metrologia</i> , 2018, 55, 08003-08003.	0.6	2
58	Data reduction framework for standard atomic weights and isotopic compositions of the elements. <i>Metrologia</i> , 2017, 54, 229-238.	0.6	14
59	Solution to redox titration challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4113-4115.	1.9	9
60	Redox titration challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 11-13.	1.9	13
61	Measurement uncertainty challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2497-2497.	1.9	1
62	Determination of the Isotopic Composition of Iridium Using Multicollector-ICPMS. <i>Analytical Chemistry</i> , 2017, 89, 9375-9382.	3.2	21
63	A critical review of the proposed definitions of fundamental chemical quantities and their impact on chemical communities (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2017, 89, 951-981.	0.9	27
64	Solution to measurement uncertainty challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5799-5801.	1.9	2
65	Uncertainty of relative sensitivity factors in glow discharge mass spectrometry. <i>Metrologia</i> , 2017, 54, 796-804.	0.6	9
66	Guides in Metrology. <i>Chemistry International</i> , 2017, 39, .	0.3	2
67	Solution to precision mixology challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3055-3056.	1.9	1
68	Atomic weights of the elements 2013 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 265-291.	0.9	518
69	How to name new chemical elements (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , 2016, 88, 401-405.	0.9	37
70	Species specific isotope dilution for the accurate and SI traceable determination of arsenobetaine and methylmercury in cuttlefish and prawn. <i>Analytica Chimica Acta</i> , 2016, 943, 41-49.	2.6	12
71	Determination of chemical purity and isotopic composition of natural and carbon-13-labeled arsenobetaine bromide standards by quantitative ¹ H-NMR. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7413-7421.	1.9	8
72	Precision mixology challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7-7.	1.9	1

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73	Solution to Mohr's method challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4469-4471.	1.9	7
74	Mohr's method challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1721-1722.	1.9	15
75	Isotopic compositions of the elements 2013 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 293-306.	0.9	534
76	Reducing the matrix effects in chemical analysis: fusion of isotope dilution and standard addition methods. <i>Metrologia</i> , 2016, 53, 829-834.	0.6	14
77	Solution to the left-handed DNA challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3267-3267.	1.9	0
78	Left-handed DNA challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 645-646.	1.9	1
79	Blank Correction in Isotope Dilution. <i>Analytical Chemistry</i> , 2015, 87, 10724-10727.	3.2	7
80	Calibration graphs in isotope dilution mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 896, 63-67.	2.6	32
81	Symbols of the Elements, Part III (concluded)*. <i>Chemistry International</i> , 2014, 36, 25-26.	0.3	1
82	Solution to papal chemistry challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7-7.	1.9	0
83	An ode to the atomic weights. <i>Nature Chemistry</i> , 2014, 6, 749-750.	6.6	6
84	Coordinate Swapping in Standard Addition Graphs for Analytical Chemistry: A Simplified Path for Uncertainty Calculation in Linear and Nonlinear Plots. <i>Analytical Chemistry</i> , 2014, 86, 8563-8567.	3.2	24
85	High-precision quadruple isotope dilution method for simultaneous determination of nitrite and nitrate in seawater by GCMS after derivatization with triethyloxonium tetrafluoroborate. <i>Analytica Chimica Acta</i> , 2014, 824, 36-41.	2.6	36
86	The Last Alchemist in Paris. <i>Chemistry International</i> , 2014, 36, .	0.3	0
87	Symbols of the Elements, Part II. <i>Chemistry International</i> , 2014, 36, .	0.3	1
88	Reduction of measurement uncertainty by experimental design in high-order (double, triple, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2879-2887.	1.9	62
89	Solution to peptide sequencing challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 17-17.	1.9	0
90	Papal chemistry challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6897-6898.	1.9	4

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91	Novel Ethyl-Derivatization Approach for the Determination of Fluoride by Headspace Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 877-881.	3.2	39
92	Atomic weights of the elements 2011 (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2013, 85, 1047-1078.	0.9	348
93	On the molar mass of silicon for a new Avogadro constant. , 2012, , .		0
94	The Binomial Distribution of Hydrogen and Deuterium in Arsanes, Diarsanes, and Triarsanes Generated from As($\text{BH}_n\text{D}_{4-n}$) ⁺ and the Effect of Trace Amounts of Rh Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2178-2186.	1.2	9
95	Reconciling Planck constant determinations via watt balance and enriched-silicon measurements at NRC Canada. <i>Metrologia</i> , 2012, 49, L8-L10.	0.6	55
96	Nonlinear Signal Response in Electrospray Mass Spectrometry: Implications for Quantitation of Arsenobetaine Using Stable Isotope Labeling by Liquid Chromatography and Electrospray Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 3958-3964.	3.2	17
97	Determination of the Atomic Weight of ²⁸ Si-Enriched Silicon for a Revised Estimate of the Avogadro Constant. <i>Analytical Chemistry</i> , 2012, 84, 2321-2327.	3.2	42
98	Negative Chemical Ionization GC/MS Determination of Nitrite and Nitrate in Seawater Using Exact Matching Double Spike Isotope Dilution and Derivatization with Triethyloxonium Tetrafluoroborate. <i>Analytical Chemistry</i> , 2012, 84, 2592-2596.	3.2	33
99	Peptide sequencing challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 931-932.	1.9	1
100	Calibration of isotope amount ratios by analysis of isotope mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2071-2076.	1.9	29
101	Solution to Plato's elements challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 635-635.	1.9	0
102	Plato's elements challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 35-37.	1.9	1
103	Condensation cascades and methylgroup transfer reactions during the formation of arsane, methyl- and dimethylarsane by aqueous borohydride and (methyl) arsenates. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 921-933.	1.9	15
104	Observations of Large Mass-Independent Fractionation Occurring in MC-ICPMS: Implications for Determination of Accurate Isotope Amount Ratios. <i>Analytical Chemistry</i> , 2011, 83, 8999-9004.	3.2	29
105	Mechanism of hydrogen transfer in arsane generation by aqueous tetrahydridoborate: Interference effects of AuIII and other noble metals. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 740-747.	1.5	12
106	Radioactive Jeopardy challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1537-1538.	1.9	0
107	Solution to radioactive Jeopardy challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1095-1096.	1.9	1
108	Comment on the uncertainties in isotope patterns of molecules. <i>Analytica Chimica Acta</i> , 2011, 694, 174-176.	2.6	6

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109	Beryllium valence challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 185-186.	1.9	2
110	Solution to random error propagation challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 187-188.	1.9	2
111	Avogadro constant challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1-2.	1.9	3
112	Solution to the beryllium valence challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3-3.	1.9	0
113	Solution to the Avogadro constant challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 11-12.	1.9	0
114	Metrological Triangle for Measurements of Isotope Amount Ratios of Silver, Indium, and Antimony Using Multicollector-Inductively Coupled Plasma Mass Spectrometry: The 21st Century Harvard Method. <i>Analytical Chemistry</i> , 2010, 82, 8978-8982.	3.2	26
115	Resolving the Germanium Atomic Weight Disparity Using Multicollector ICPMS. <i>Analytical Chemistry</i> , 2010, 82, 4188-4193.	3.2	35
116	Certification of natural isotopic abundance inorganic mercury reference material NIMS-1 for absolute isotopic composition and atomic weight. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 384.	1.6	39
117	Precision weighing challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 405-406.	1.9	1
118	Isotope scrambling and error magnification in multiple-spiking isotope dilution. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 199-205.	1.9	14
119	Mendeleyev vodka challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 9-10.	1.9	3
120	Solution to precision weighing challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 11-12.	1.9	0
121	The ultimate "analytical challenge": what is analytical chemistry?. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 7-8.	1.9	4
122	Random error propagation challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 5-6.	1.9	2
123	Solution to Mendeleyev vodka challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 7-8.	1.9	2
124	Diophantine analysis complements electrospray-Q-TOF data for structure elucidation of transferrin glycoforms used for clinical diagnosis in human serum and cerebrospinal fluid. <i>Proteomics</i> , 2009, 9, 1109-1113.	1.3	6
125	The need for a fresh symbol to designate copernicium. <i>Nature</i> , 2009, 461, 341-341.	13.7	14
126	Mass Bias Fractionation Laws for Multi-Collector ICPMS: Assumptions and Their Experimental Verification. <i>Analytical Chemistry</i> , 2009, 81, 6774-6778.	3.2	41

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127	Describing chemical transformations in multiple spiking isotope dilution: fundamental aspects and definitions. <i>Analyst</i> , The, 2009, 134, 466-471.	1.7	11
128	General Equation for Multiple Spiking Isotope Dilution Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5075-5079.	3.2	20
129	Paradigms in isotope dilution mass spectrometry for elemental speciation analysis. <i>Analytica Chimica Acta</i> , 2008, 607, 115-125.	2.6	85
130	Birthday chromatography challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 77-78.	1.9	1
131	Solution to the birthday chromatography challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 3-5.	1.9	1
132	Isotopic abundance challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1-2.	1.9	9
133	Nascent hydrogen challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1475-1476.	1.9	2
134	Solution to isotopic abundance challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 17-18.	1.9	1
135	Solution to nascent hydrogen challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 771-772.	1.9	6
136	Polybrominated diphenyl ethers: Causes for concern and knowledge gaps regarding environmental distribution, fate and toxicity. <i>Science of the Total Environment</i> , 2008, 400, 425-436.	3.9	191
137	Atomic weight uncertainty calculation from isotopic composition of the elements. <i>Metrologia</i> , 2008, 45, 459-463.	0.6	10
138	Uncertainty propagation of atomic weight measurement results. <i>Metrologia</i> , 2008, 45, 53-62.	0.6	20
139	Mechanism of Generation of Volatile Hydrides of Trace Elements by Aqueous Tetrahydroborate(III). Mass Spectrometric Studies on Reaction Products and Intermediates. <i>Analytical Chemistry</i> , 2007, 79, 3008-3015.	3.2	50
140	Relative Mass Defect Filtering of High-Resolution Mass Spectra for Exploring Minor Selenium Volatiles in Selenium-Enriched Green Onions. <i>Analytical Chemistry</i> , 2007, 79, 846-853.	3.2	24
141	Selenium Volatiles as Proxy to the Metabolic Pathways of Selenium in Genetically Modified <i>Brassica juncea</i> . <i>Environmental Science & Technology</i> , 2007, 41, 1863-1869.	4.6	44
142	Mass spectrometric separation and quantitation of overlapping isotopologues. Deuterium containing hydrides of As, Sb, Bi, Sn, and Ge. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 337-345.	1.2	15
143	A chemical uncertainty principle challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1583-1584.	1.9	3
144	Solution to the chemical uncertainty principle challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 995-996.	1.9	2

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145	Half-titration challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 993-994.	1.9	1
146	Solution to half-titration challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1301-1302.	1.9	1
147	Signal correlation in isotope ratio measurements with mass spectrometry: Effects on uncertainty propagation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1278-1284.	1.5	16
148	Localization and speciation of selenium and mercury in <i>Brassica juncea</i> —implications for Se/Hg antagonism. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 404.	1.6	72
149	Investigation of selenium-containing root exudates of <i>Brassica juncea</i> using HPLC-ICP-MS and ESI-qTOF-MS. <i>Analyst</i> , 2006, 131, 33-40.	1.7	29
150	Rapid breakdown of brominated flame retardants by soil microorganisms. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1232.	1.6	34
151	Calculations of double spike isotope dilution results revisited. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1294.	1.6	46
152	Understanding Isotopic Distributions in Mass Spectrometry. <i>Journal of Chemical Education</i> , 2006, 83, 1761.	1.1	8
153	Determination of phosphoric acid triesters in human plasma using solid-phase microextraction and gas chromatography coupled to inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1103, 329-336.	1.8	54
154	Mass spectrometric separation and quantitation of overlapping isotopologues. H ₂ O/HOD/D ₂ O and H ₂ Se/H ₂ Se/D ₂ Se mixtures. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 1028-1036.	1.2	29
155	Integrated mass spectrometry in (semi-)metal speciation and its potential in phytochemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 44-51.	5.8	18
156	DNA Sequencing Challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 11-13.	1.9	2
157	Mathematical tools in analytical mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 486-499.	1.9	63
158	Solution to DNA Sequencing Challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 8-9.	1.9	0
159	Goldberg Variations Challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 6-7.	1.9	0
160	A Geometric Chemistry Challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 790-791.	1.9	1
161	Solution to Goldberg variations challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 4-4.	1.9	1
162	Solution to geometric chemistry challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1197-1197.	1.9	0

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163	Gas chromatography-mass spectrometry study of hydrogen-deuterium exchange reactions of volatile hydrides of As, Sb, Bi, Ge and Sn in aqueous media. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 778-787.	1.5	20
164	Interpretation of butyltin mass spectra using isotope pattern reconstruction for the accurate measurement of isotope ratios from molecular clusters. <i>Journal of Mass Spectrometry</i> , 2005, 40, 807-814.	0.7	27
165	Solution to Isotope Pattern Geometry Challenge. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 13-13.	1.9	4
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