

Ralph Edward Sturgeon

List of Publications by Year in descending order

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200
papers

8,579
citations

34105

52
h-index

74163

75
g-index

202
all docs

202
docs citations

202
times ranked

3361
citing authors

#	ARTICLE	IF	CITATIONS
1	UV Vapor Generation for Determination of Selenium by Heated Quartz Tube Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 2092-2099.	6.5	180
2	Vapor Generation by UV Irradiation for Sample Introduction with Atomic Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 2401-2405.	6.5	164
3	Solid phase microextraction as a tool for trace element speciation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 233-260.	2.9	157
4	Applications of chemical vapor generation in non-tetrahydroborate media to analytical atomic spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1217.	3.0	156
5	Acid digestion of marine samples for trace element analysis using microwave heating. <i>Analyst, The</i> , 1988, 113, 159.	3.5	144
6	Critical evaluation of the application of photochemical vapor generation in analytical atomic spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 769-774.	3.7	136
7	Chemical Vapor Generation: Atomic Absorption by Ag, Au, Cu, and Zn Following Reduction of Aquo Ions with Sodium Tetrahydroborate(III). <i>Analytical Chemistry</i> , 2000, 72, 3523-3531.	6.5	123
8	Photochemical vapor generation: a radical approach to analyte introduction for atomic spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2319-2340.	3.0	114
9	Headspace single-drop microextraction for the detection of organotin compounds. <i>Talanta</i> , 2004, 63, 555-560.	5.5	105
10	Determination of total mercury and methylmercury in biological samples by photochemical vapor generation. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 837-847.	3.7	105
11	Metal Ion-Assisted Photochemical Vapor Generation for the Determination of Lead in Environmental Samples by Multicollector-ICPMS. <i>Analytical Chemistry</i> , 2015, 87, 4495-4502.	6.5	98
12	UV photochemical vapor generation atomic fluorescence spectrometric determination of conventional hydride generation elements. <i>Microchemical Journal</i> , 2010, 95, 32-37.	4.5	94
13	Mechanisms of chemical generation of volatile hydrides for trace element determination (IUPAC) Tj ETQq1 1 0.784314 rgBT /Overlock 1.9 90		
14	UV Photochemical Vapor Generation Sample Introduction for Determination of Ni, Fe, and Se in Biological Tissue by Isotope Dilution ICPMS. <i>Analytical Chemistry</i> , 2010, 82, 3899-3904.	6.5	89
15	Trace element analysis of biological material following pressure digestion with nitric acid-hydrogen peroxide and microwave heating. <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 323.	3.0	88
16	Some speculations on the mechanisms of photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 222-231.	3.0	88
17	A novel introduction system for hydride generation-inductively coupled plasma mass spectrometry: determination of selenium in biological materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 143-149.	3.0	87
18	Certification of a new selenized yeast reference material (SELM-1) for methionine, selenomethionine and total selenium content and its use in an intercomparison exercise for quantifying these analytes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 168-180.	3.7	85

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19	Separation and Quantitation of the Stereoisomers of Ephedra Alkaloids in Natural Health Products Using Flow Injection-Electrospray Ionization-High Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 2538-2542.	6.5	83
20	Direct analysis of solids by ultrasonic slurry electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 605-610.	3.0	81
21	Determination of methylmercury by solid-phase microextraction inductively coupled plasma mass spectrometry: a new sample introduction method for volatile metal species. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 837-842.	3.0	81
22	Isotopic fractionation of mercury induced by reduction and ethylation. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 377-385.	3.7	80
23	Versatile Thin-Film Reactor for Photochemical Vapor Generation. <i>Analytical Chemistry</i> , 2010, 82, 3086-3093.	6.5	78
24	Determination of trace metals in seawater by graphite furnace atomic absorption following on-line separation and preconcentration. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1993, 48, 91-98.	2.9	77
25	High-Yield UV-Photochemical Vapor Generation of Iron for Sample Introduction with Inductively Coupled Plasma Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 2996-3001.	6.5	77
26	Expanding the scope of chemical vapor generation for noble and transition metals. <i>Analyst, The</i> , 2001, 126, 1833-1837.	3.5	75
27	Determination of methylmercury in fish tissues by isotope dilution SPME-GC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 431-436.	3.0	75
28	Photochemical Alkylation of Inorganic Selenium in the Presence of Low Molecular Weight Organic Acids. <i>Environmental Science & Technology</i> , 2003, 37, 5645-5650.	10.0	74
29	Copper Ion Assisted Photochemical Vapor Generation of Chlorine for Its Sensitive Determination by Sector Field Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 4112-4118.	6.5	72
30	Trace element speciation using solid phase microextraction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1243-1269.	2.9	69
31	Determination of Methionine and Selenomethionine in Selenium-Enriched Yeast by Species-Specific Isotope Dilution with Liquid Chromatography-Mass Spectrometry and Inductively Coupled Plasma Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2005, 77, 344-349.	6.5	69
32	Comparison of extraction methods for quantitation of methionine and selenomethionine in yeast by species specific isotope dilution gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1055, 177-184.	3.7	68
33	Vapour-phase acid digestion of inorganic and organic matrices for trace element analysis using a microwave heated bomb. <i>Journal of Analytical Atomic Spectrometry</i> , 1991, 6, 283.	3.0	67
34	Species specific isotope dilution calibration for determination of mercury species by gas chromatography coupled to inductively coupled plasma- or furnace atomisation plasma ionisation-mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1540-1545.	3.0	66
35	Determination of Cadmium in Environmental Samples by Hydride Generation with In Situ Concentration and Atomic Absorption Detection. <i>Analyst, The</i> , 1997, 122, 331-336.	3.5	65
36	UV photochemical vapor generation and in situ preconcentration for determination of ultra-trace nickel by flow injection graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1452.	3.0	65

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37	Chemical vapor generation characteristics of transition and noble metals reacting with tetrahydroborate(iii). <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1435.	3.0	64
38	Determination of Methionine and Selenomethionine in Yeast by Species-Specific Isotope Dilution GC/MS. <i>Analytical Chemistry</i> , 2004, 76, 5149-5156.	6.5	64
39	Determination of Bismuth by Dielectric Barrier Discharge Atomic Absorption Spectrometry Coupled with Hydride Generation: Method Optimization and Evaluation of Analytical Performance. <i>Analytical Chemistry</i> , 2014, 86, 9620-9625.	6.5	64
40	Analytical characteristics of a commercial ICP orthogonal acceleration time-of-flight mass spectrometer (ICP-TOFMS). <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 607-616.	3.0	63
41	Speciation of Methyl- and Inorganic Mercury in Biological Tissues Using Ethylation and Gas Chromatography With Furnace Atomization Plasma Emission Spectrometric Detection. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 597-601.	3.0	62
42	Application of isotope dilution to the determination of methylmercury in fish tissue by solid-phase microextraction gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 1011, 135-142.	3.7	62
43	Insights into the mechanism of chemical vapor generation of transition and noble metals. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 255-265.	3.0	62
44	Generation of Atomic and Molecular Cadmium Species from Aqueous Media. <i>Analytical Chemistry</i> , 2003, 75, 635-640.	6.5	61
45	Ultra-trace determination of iodine in sediments and biological material using UV photochemical generation-inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 235-241.	2.9	61
46	Atomic absorption determination of lead at picogram per gram levels by ethylation with in-situ concentration in a graphite furnace. <i>Analytical Chemistry</i> , 1989, 61, 1867-1869.	6.5	60
47	A unified approach to mechanistic aspects of photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 636-654.	3.0	60
48	Communications. Furnace atomisation plasma emission spectrometry (FAPES). <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 669.	3.0	56
49	Determination of ultratrace levels of heavy metals in arctic snow by electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 1053-1058.	3.0	55
50	Rapid and controllable covalent functionalization of single-walled carbon nanotubes at room temperature. <i>Chemical Communications</i> , 2007, , 5146.	4.1	55
51	Comparison of the energetics of desorption of solution and vapour phase deposited analytes in graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1990, 5, 311.	3.0	54
52	Determination of Ephedrine Alkaloids in Dietary Supplement Standard Reference Materials. <i>Analytical Chemistry</i> , 2005, 77, 3101-3112.	6.5	54
53	Seawater as a multi-component physical carrier for ETV-ICP-MS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995, 50, 425-440.	2.9	53
54	UV photosynthesis of nickel carbonyl. <i>Applied Organometallic Chemistry</i> , 2004, 18, 205-211.	3.5	53

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55	Use of Zr for mass bias correction in strontium isotope ratio determinations using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1269.	3.0	53
56	Analyte transport efficiency with electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 773-786.	2.9	52
57	On-line determination of silver in sea-water and marine sediment by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 88-93.	3.0	52
58	UV light-mediated alkylation of inorganic selenium. <i>Applied Organometallic Chemistry</i> , 2003, 17, 575-579.	3.5	52
59	Detection of Bromine by ICP- <i>oa</i> -ToF-MS Following Photochemical Vapor Generation. <i>Analytical Chemistry</i> , 2015, 87, 3072-3079.	6.5	52
60	Efficient Photochemical Vapor Generation of Molybdenum for ICPMS Detection. <i>Analytical Chemistry</i> , 2018, 90, 11688-11695.	6.5	52
61	Photochemical vapor generation of iodine for detection by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 508-514.	3.0	51
62	Improvement of Measurement Precision of SPME-GC/MS Determination of Tributyltin Using Isotope Dilution Calibration. <i>Analytical Chemistry</i> , 2002, 74, 5606-5613.	6.5	50
63	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.	6.5	50
64	Sampling and determination of metal hydrides by solid phase microextraction thermal desorption inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1461-1465.	3.0	49
65	A comparison of alkyl derivatization methods for speciation of mercury based on solid phase microextraction gas chromatography with furnace atomization plasma emission spectrometry detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 902.	3.0	49
66	Solid phase microextraction capillary gas chromatography combined with furnace atomization plasma emission spectrometry for speciation of mercury in fish tissues. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 427-441.	2.9	49
67	Simultaneous determination of Co, Fe, Ni and Pb in carbon nanotubes by means of solid sampling high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 657.	3.0	49
68	Generation of volatile cobalt species by UV photoreduction and their tentative identification. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 583.	3.0	48
69	Figures of merit for furnace atomization plasma emission spectrometry. <i>Analytical Chemistry</i> , 1990, 62, 2370-2376.	6.5	47
70	Photochemical alkylation of inorganic arsenic : Part 1. Identification of volatile arsenic species. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 702.	3.0	47
71	UV photochemical generation of volatile cadmium species. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2519.	3.0	47
72	Direct Determination of Trace Antimony in Natural Waters by Photochemical Vapor Generation ICPMS: Method Optimization and Comparison of Quantitation Strategies. <i>Analytical Chemistry</i> , 2015, 87, 7996-8004.	6.5	47

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73	Cadmium Assisted Photochemical Vapor Generation of Tungsten for Detection by Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 13306-13312.	6.5	47
74	Determination of Inorganic and Total Mercury in Biological Tissues by Electrothermal Vaporization Inductively Coupled Plasma Mass Spectrometry. <i>Analyst, The</i> , 1997, 122, 751-754.	3.5	46
75	Improvement in measurement precision with SPME by use of isotope dilution mass spectrometry and its application to the determination of tributyltin in sediment using SPME GC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 944-949.	3.0	46
76	Determination of Trace Elements in Fluoropolymers after Microwave-Induced Combustion. <i>Analytical Chemistry</i> , 2013, 85, 374-380.	6.5	46
77	Graphite furnace atomic absorption spectrometric determination of nickel at sub-ng gâ€“1 levels in marine samples by carbonyl generation with in situ pre-concentration. <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 443-446.	3.0	45
78	Ambient Mass Spectrometric Detection of Organometallic Compounds Using Direct Analysis in Real Time. <i>Analytical Chemistry</i> , 2009, 81, 9834-9839.	6.5	45
79	Determination of strontium isotope amount ratios in biological tissues using MC-ICPMS. <i>Analytical Methods</i> , 2013, 5, 1687.	2.7	45
80	Determination of Total Chromium in Seawater by Isotope Dilution Sector Field ICPMS Using GC Sample Introduction. <i>Analytical Chemistry</i> , 2004, 76, 3510-3516.	6.5	44
81	The mechanism of formation of volatile hydrides by tetrahydroborate(III) derivatization: A mass spectrometric study performed with deuterium labeled reagents. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 423-438.	2.9	44
82	High-yield synthesis of milligram amounts of isotopically enriched methylmercury(CH ₃ 198HgCl). <i>Applied Organometallic Chemistry</i> , 2004, 18, 57-64.	3.5	42
83	Anion-Exchange Chromatographic Separation of Hg for Isotope Ratio Measurements by Multicollector ICPMS. <i>Analytical Chemistry</i> , 2008, 80, 2548-2555.	6.5	42
84	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.	6.5	42
85	Mass Bias Fractionation Laws for Multi-Collector ICPMS: Assumptions and Their Experimental Verification. <i>Analytical Chemistry</i> , 2009, 81, 6774-6778.	6.5	41
86	Determination of trace metals in high-salinity petroleum produced formation water by inductively coupled plasma mass spectrometry following on-line analyte separation/preconcentration. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 578.	3.0	41
87	Quantitation of Trace Metals in Liquid Samples by Dried-Droplet Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 2971-2977.	6.5	40
88	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.	3.0	39
89	Novel Ethyl-Derivatization Approach for the Determination of Fluoride by Headspace Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 877-881.	6.5	39
90	Alkaline solubilization of biological materials for trace element analysis by electrothermal atomic absorption spectrometry. <i>Analyst, The</i> , 1999, 124, 1843-1846.	3.5	38

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91	Species-Specific Isotope Dilution-Based Calibration for Trace Element Speciation and Its Combined Uncertainty Evaluation: A Determination of Tributyltin in Sediment by HPLC-ICPMS. <i>Analytical Chemistry</i> , 2002, 74, 2968-2976.	6.5	38
92	Comparison of mass bias correction models for the examination of isotopic composition of mercury using sector field ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1452.	3.0	38
93	Ultrasound-assisted vapor generation of mercury. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 849-857.	3.7	37
94	Determination of inorganic mercury in biological tissues by cold vapor atomic absorption spectrometry following tetramethylammonium hydroxide solubilization. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1929-1931.	3.0	36
95	Surfactant assisted chemical vapour generation of silver for AAS and ICP-OES: a mechanistic study. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 487.	3.0	36
96	Solid phase microextraction for the determination of chromium in sea-water. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1098-1103.	3.0	36
97	Photochemical alkylation of inorganic arsenic : Part 2. Identification of aqueous phase organoarsenic species using multidimensional liquid chromatography and electrospray mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 709.	3.0	36
98	High precision determination of chromium isotope ratios in geological samples by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1622.	3.0	36
99	System optimization for determination of cobalt in biological samples by ICP-OES using photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1590-1604.	3.0	36
100	Simultaneous determination of hydride- and non-hydride-forming elements by inductively coupled plasma optical emission spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1376-1389.	11.4	35
101	Comparison of dielectric barrier discharge, atmospheric pressure radiofrequency-driven glow discharge and direct analysis in real time sources for ambient mass spectrometry of acetaminophen. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 594-603.	2.9	35
102	Multivariate optimization of photochemical vapor generation for direct determination of arsenic in seawater by inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 901, 34-40.	5.4	35
103	Atomic Absorption by Free Atoms in Solution Following Chemical Reduction from the Ionic State. <i>Analytical Chemistry</i> , 1998, 70, 1670-1676.	6.5	34
104	Detection of volatile arsenic chloride species during hydride generation: a new prospectus. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 470-474.	3.0	34
105	Detection of Volatile Organometal Chloride Species in Model Atmosphere above Seawater and Sediment. <i>Environmental Science & Technology</i> , 2002, 36, 1198-1201.	10.0	34
106	Chemical vapor generation- electrothermal atomic absorption spectrometry: new perspectives. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 2047-2056.	2.9	34
107	Flow injection chemical vapor generation of Au using a mixed reductant. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 101-107.	2.9	34
108	Determination of thimerosal in human and veterinarian vaccines by photochemical vapor generation coupled to ICP OES. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1627.	3.0	34

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109	Determination of selenomethionine in yeast using CNBr derivatization and species specific isotope dilution GC ICP-MS and GC-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1448.	3.0	33
110	Determination of total mercury in biological samples using flow injection CVAAS following tissue solubilization in formic acid. <i>Talanta</i> , 2006, 68, 1259-1263.	5.5	33
111	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.	6.5	33
112	Determination of Thorium and Uranium in Ultrapure Lead by Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 2432-2436.	6.5	32
113	Thin film hydride generation: determination of ultra-trace copper by flow injection in situ hydride trapping graphite furnace AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1159.	3.0	32
114	Chemical Vapor Generation with Slurry Sampling: A Review of Applications to Atomic and Mass Spectrometry. <i>Applied Spectroscopy Reviews</i> , 2012, 47, 41-82.	6.7	31
115	Determination of mercury in gasoline by photochemical vapor generation coupled to graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2014, 117, 100-105.	4.5	31
116	Speciation without chromatography : Part I. Determination of tributyltin in aqueous samples by chloride generation, headspace solid-phase microextraction and inductively coupled plasma time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1313.	3.0	30
117	Ultra-trace determination of mercury in water by cold-vapor generation isotope dilution mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1226.	3.0	29
118	Isotope ratio precision with transient sample introduction using ICP orthogonal acceleration time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1358.	3.0	29
119	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.	6.5	29
120	Determination of vanadium in biological fluids using HR-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1300-1303.	3.0	28
121	Characterization of a suite of ginkgo-containing standard reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 179-196.	3.7	28
122	Atomization of Bismuthane in a Dielectric Barrier Discharge: A Mechanistic Study. <i>Analytical Chemistry</i> , 2016, 88, 1804-1811.	6.5	28
123	Diethyldithiocarbamate enhanced chemical generation of volatile palladium species, their characterization by AAS, ICP-MS, TEM and DART-MS and proposed mechanism of action. <i>Analytica Chimica Acta</i> , 2018, 1005, 16-26.	5.4	28
124	Determination of U, Th and Pu in natural waters, biological materials and clinical samples by ETV-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 717.	3.0	27
125	Determination of natural Sr and ⁹⁰ Sr in environmental samples by ETV-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1409.	3.0	27
126	High accuracy and precision isotope dilution mass spectrometry: An application to the determination of Mo in seawater. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1327.	3.0	27

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127	Photo- and thermo-chemical vapor generation of mercury. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1610.	3.0	27
128	Application of double-spike isotope dilution for the accurate determination of Cr(III), Cr(VI) and total Cr in yeast. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1673-1680.	3.7	26
129	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.	6.5	26
130	Comparison of the efficiencies of on-line and high-pressure closed vessel approaches to microwave heated sample decomposition. <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 349, 428-433.	1.5	25
131	Comparison of chloride- and hydride-generation for quantitation of germanium by headspace solid-phase microextractionâ€“inductively coupled plasmaâ€“mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 849-855.	3.7	25
132	Determination of inorganic mercury in petroleum production water by inductively coupled plasma optical emission spectrometry following photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 751-758.	3.0	25
133	Comparison of sample digestion techniques for the determination of trace and residual catalyst metal content in single-wall carbon nanotubes by inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 105, 89-94.	2.9	24
134	On-line UV photochemical generation of volatile copper species and its analytical application. <i>Microchemical Journal</i> , 2016, 124, 344-349.	4.5	24
135	Performance comparison between furnace atomisation plasma emission spectrometry and microwave induced plasma-atomic emission spectrometry for the determination of mercury species in gas chromatography effluents. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 1347-1353.	3.0	22
136	Influence of Speciation on the Response from Selenium to UV-Photochemical Vapor Generation. <i>Analytical Sciences</i> , 2012, 28, 807-811.	1.6	22
137	Establishing comparability and compatibility in the purity assessment of high purity zinc as demonstrated by the CCQM-P149 intercomparison. <i>Metrologia</i> , 2018, 55, 211-221.	1.2	22
138	Comparison of sector field- and quadrupole-ICP-MS for the determination of DBT and TBT in sediment following GC separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 1365.	3.0	21
139	Blank correction considerations for isotope dilution and reverse isotope dilution calibration: Determination of methylmercury in fish tissue. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 724.	3.0	21
140	Gas chromatographyâ€“mass spectrometric identification of iodine species arising from photo-chemical vapor generation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 714-716.	2.9	21
141	Spatial imaging of the furnace atomization plasma emission spectrometry source. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 1399.	3.0	20
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