

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	GC-MS exploration of photochemically generated species of Os, W and Ru from reductive and oxidative media. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 528-534.	3.0	10
2	Introduction to vapor generation techniques. , 2022, , 1-16.		2
3	Other chemical vapor generation techniques. , 2022, , 153-190.		0
4	Photo-sono-thermo-chemical vapor generation techniques. , 2022, , 213-263.		0
5	High-efficiency photoreductive vapor generation of osmium. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2097-2106.	3.0	18
6	Copper-ion assisted photochemical vapor generation of bromide and bromate. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1235-1243.	3.0	13
7	A mass spectrometric study of hydride generated arsenic species identified by direct analysis in real time (DART) following cryotrapping. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3443-3453.	3.7	1
8	Evaluation of Sample Preparation Procedures for Determination of Cr(VI) in Cr ₂ O ₃ Pigments by Vis Spectrophotometry. <i>Brazilian Archives of Biology and Technology</i> , 2021, 64, .	0.5	1
9	Ultrasensitive Detection of Ruthenium by Coupling Cobalt and Cadmium Ion-Assisted Photochemical Vapor Generation to Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 16543-16551.	6.5	18
10	Evidence for photochemical synthesis of fluoromethane. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1720-1726.	3.0	17
11	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
12	A unified approach to mechanistic aspects of photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 636-654.	3.0	60
13	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
14	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
15	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
16	Efficient Photochemical Vapor Generation of Molybdenum for ICPMS Detection. <i>Analytical Chemistry</i> , 2018, 90, 11688-11695.	6.5	52
17	Behavior of selenium hydride in heated quartz tube and dielectric barrier discharge atomizers. <i>Analytica Chimica Acta</i> , 2018, 1028, 11-21.	5.4	19
18	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

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19	Evaluation of approaches to the abatement of nitrate interference with photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2378-2390.	3.0	17
20	Uncertainty of relative sensitivity factors in glow discharge mass spectrometry. <i>Metrologia</i> , 2017, 54, 796-804.	1.2	9
21	ICP OES Determination of Contaminant Elements Leached from Food Packaging Films. <i>Brazilian Archives of Biology and Technology</i> , 2017, 60, .	0.5	2
22	An Evaluation of the Use of Formic Acid for Extraction of Trace Elements from Brazil Nut and Babassu Coconut and Its Suitability for Multi-Element Determination by ICP-MS. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	4
23	On-line UV photochemical generation of volatile copper species and its analytical application. <i>Microchemical Journal</i> , 2016, 124, 344-349.	4.5	24
24	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
25	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
26	Atomization of Bismuthane in a Dielectric Barrier Discharge: A Mechanistic Study. <i>Analytical Chemistry</i> , 2016, 88, 1804-1811.	6.5	28
27	Spectrophotometric Determination of Aluminium in Hemodialysis Water. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	2
28	Elemental Characterization of Single-Wall Carbon Nanotube Certified Reference Material by Neutron and Prompt I^3 Activation Analysis. <i>Analytical Chemistry</i> , 2015, 87, 3699-3705.	6.5	18
29	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
30	Detection of Bromine by ICP-TOF-MS Following Photochemical Vapor Generation. <i>Analytical Chemistry</i> , 2015, 87, 3072-3079.	6.5	52
31	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
32	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
33	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
34	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
35	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
36	Application of direct analysis in real time to a multiphase chemical system: Identification of polymeric arsanes generated by reduction of monomethylarsenate with sodium tetrahydroborate. <i>International Journal of Mass Spectrometry</i> , 2014, 371, 42-46.	1.5	13

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37	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
38	Determination of Trace Elements in Fluoropolymers after Microwave-Induced Combustion. <i>Analytical Chemistry</i> , 2013, 85, 374-380.	6.5	46
39	Rapid determination of silicone oil lubricant in elastomeric closures by ICP-OES. <i>Analytical Methods</i> , 2013, 5, 4263.	2.7	1
40	Photo- and thermo-chemical vapor generation of mercury. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1610.	3.0	27
41	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
42	Determination of strontium isotope amount ratios in biological tissues using MC-ICPMS. <i>Analytical Methods</i> , 2013, 5, 1687.	2.7	45
43	Influence of Speciation on the Response from Selenium to UV-Photochemical Vapor Generation. <i>Analytical Sciences</i> , 2012, 28, 807-811.	1.6	22
44	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
45	The Binomial Distribution of Hydrogen and Deuterium in Arsanes, Diarsanes, and Triarsanes Generated from As(³⁺)/[BH ₄ ⁻ D ₄] ⁺ and the Effect of Trace Amounts of Rh(³⁺) Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2178-2186.	2.8	9
46	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
47	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
48	Identification of volatile iron species generated by UV photolysis. <i>Microchemical Journal</i> , 2012, 105, 44-47.	4.5	18
49	Some speculations on the mechanisms of photochemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 222-231.	3.0	88
50	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.	3.7	15
51	Determination of moisture content of single-wall carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 429-438.	3.7	17
52	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
53	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
54	Mechanisms of chemical generation of volatile hydrides for trace element determination (IUPAC) Tj ETQq0 0 0 rgBT ₁ /Overlock ₁₀ Tf 50 6	1.9	90

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55	UV photochemical generation of volatile cadmium species. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 2519.	3.0	47
56	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
57	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.	2.9	12
58	Coupled thermogravimetry, mass spectrometry, and infrared spectroscopy for quantification of surface functionality on single-walled carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 1037-1044.	3.7	16
59	Chemical characterization of engineered nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 951-952.	3.7	19
60	Purity determination as needed for the realisation of primary standards for elemental determination: status of international comparability. <i>Accreditation and Quality Assurance</i> , 2010, 15, 29-37.	0.8	20
61	UV photochemical vapor generation atomic fluorescence spectrometric determination of conventional hydride generation elements. <i>Microchemical Journal</i> , 2010, 95, 32-37.	4.5	94
62	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
63	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
64	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
65	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
66	Versatile Thin-Film Reactor for Photochemical Vapor Generation. <i>Analytical Chemistry</i> , 2010, 82, 3086-3093.	6.5	78
67	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
68	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
69	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
70	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
71	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
72	Isotopic fractionation of mercury induced by reduction and ethylation. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 377-385.	3.7	80

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73	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
74	Mass Bias Fractionation Laws for Multi-Collector ICPMS: Assumptions and Their Experimental Verification. <i>Analytical Chemistry</i> , 2009, 81, 6774-6778.	6.5	41
75	Ambient Mass Spectrometric Detection of Organometallic Compounds Using Direct Analysis in Real Time. <i>Analytical Chemistry</i> , 2009, 81, 9834-9839.	6.5	45
76	Photochemical vapor generation of iodine for detection by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 508-514.	3.0	51
77	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
78	Determination of total chromium in seawater with isotope dilution sector field ICP-MS following on-line matrix separation. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 958.	3.0	18
79	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
80	Vapor generation coupled with furnace atomization plasma emission spectrometry for detection of mercury. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 689.	3.0	17
81	Enhancing reliability of elemental speciation results - quo vadis?. <i>Environmental Chemistry</i> , 2009, 6, 294.	1.5	8
82	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
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	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
85	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
86	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
87	Rapid and controllable covalent functionalization of single-walled carbon nanotubes at room temperature. <i>Chemical Communications</i> , 2007, , 5146.	4.1	55
88	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
89	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
90	Effect of additives on the chemical vapour generation of bismuthane by tetrahydroborate(III) derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 783-791.	3.7	20

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91	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
92	Ultrasound-assisted vapor generation of mercury. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 849-857.	3.7	37
93	Characterization of a suite of ginkgo-containing standard reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 179-196.	3.7	28
94	Comparison of laser ablation, electrothermal vaporization and solution nebulization for the determination of radionuclides in liquid samples by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1202.	3.0	19
95	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
96	Preparation and Characterization of a Suite of Ephedra-Containing Standard Reference Materials. <i>Journal of AOAC INTERNATIONAL</i> , 2006, 89, 1483-1495.	1.5	19
97	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
98	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
99	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.	2.9	20
100	CCQM-P43: Tributyltin and dibutyltin in sediment. <i>Metrologia</i> , 2006, 43, 08002-08002.	1.2	4
101	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
102	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
103	Trace element speciation using solid phase microextraction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1243-1269.	2.9	69
104	Chemical Vapor Generation of Cu: Optimization of Generation Media. <i>Annali Di Chimica</i> , 2005, 95, 491-499.	0.6	15
105	A systematic approach to quantitation of ephedra alkaloids in natural health products. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 268-281.	3.7	6
106	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
107	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
108	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

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109	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
110	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
111	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
112	Dried-droplet laser ablation ICP-MS of HPLC fractions for the determination of selenomethionine in yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 431.	3.0	19
113	Determination of Ephedrine Alkaloids in Dietary Supplement Standard Reference Materials. <i>Analytical Chemistry</i> , 2005, 77, 3101-3112.	6.5	54
114	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
115	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
116	Determination of Methionine and Selenomethionine in Selenium-Enriched Yeast by Species-Specific Isotope Dilution with Liquid Chromatography- ⁷⁵ Se Mass Spectrometry and Inductively Coupled Plasma Mass Spectrometry Detection. <i>Analytical Chemistry</i> , 2005, 77, 344-349.	6.5	69
117	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
118	High-yield synthesis of milligram amounts of isotopically enriched methylmercury(CH ₃ ¹⁹⁸ HgCl). <i>Applied Organometallic Chemistry</i> , 2004, 18, 57-64.	3.5	42
119	UV photosynthesis of nickel carbonyl. <i>Applied Organometallic Chemistry</i> , 2004, 18, 205-211.	3.5	53
120	A novel approach to the estimation of aqueous solubility of some noble metal vapor species generated by reaction with tetrahydroborate (III). <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 667-675.	2.9	18
121	Comparison of extraction methods for quantitation of methionine and selenomethionine in yeast by species specific isotope dilution gas chromatography- ⁷⁵ Se mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1055, 177-184.	3.7	68
122	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
123	Chemical vapour generation of silver: reduced palladium as permanent reaction modifier for enhanced performance. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1014-1016.	3.0	19
124	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
125	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
126	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

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127	Vapor Generation by UV Irradiation for Sample Introduction with Atomic Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 2401-2405.	6.5	164
128	Headspace single-drop microextraction for the detection of organotin compounds. <i>Talanta</i> , 2004, 63, 555-560.	5.5	105
129	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
130	Effects of γ -sterilization on butyltin homogeneity and content in sediments: a GC-ICP-MS study. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 85-91.	3.7	12
131	UV light-mediated alkylation of inorganic selenium. <i>Applied Organometallic Chemistry</i> , 2003, 17, 575-579.	3.5	52
132	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
133	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
134	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
135	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
136	Generation of Atomic and Molecular Cadmium Species from Aqueous Media. <i>Analytical Chemistry</i> , 2003, 75, 635-640.	6.5	61
137	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
138	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
139	Solid phase microextraction as a tool for trace element determination. <i>Comprehensive Analytical Chemistry</i> , 2003, 41, 371-391.	1.3	9
140	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
141	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
142	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
143	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
144	Chapter 28 Sampling and sample preparation for trace element speciation. <i>Comprehensive Analytical Chemistry</i> , 2002, 37, 939-966.	1.3	2

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	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
148	Determination of vanadium in biological fluids using HR-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1300-1303.	3.0	28
149	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
150	Speciation without chromatography : Part 2. Determination of tributyltin by chloride generation flow injection atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1511-1515.	3.0	7
151	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
152	Iridium as a permanent modifier for determination of cadmium and lead in sediment and biological samples by furnace atomization plasma emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 693-698.	3.0	11
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174	Reduction of metal oxides by carbon in graphite furnaces. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1019-1024.	3.0	17
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