

# Suresh Kumar Aggarwal

## List of Publications by Year in descending order

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193  
papers

2,774  
citations

218677

26  
h-index

330143

37  
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193  
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193  
docs citations

193  
times ranked

2184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-induced breakdown spectroscopy for simultaneous determination of Sm, Eu and Gd in aqueous solution. <i>Talanta</i> , 2008, 77, 256-261.	5.5	109
2	Direct separation of boron from Na- and Ca-rich matrices by sublimation for stable isotope measurement by MC-ICP-MS. <i>Talanta</i> , 2010, 82, 1378-1384.	5.5	91
3	Determination of thorium and uranium in solution by laser-induced breakdown spectrometry. <i>Applied Optics</i> , 2008, 47, G58.	2.1	73
4	Thermal ionisation mass spectrometry (TIMS) in nuclear science and technology – a review. <i>Analytical Methods</i> , 2016, 8, 942-957.	2.7	65
5	Monitoring of toxic elements present in sludge of industrial waste using CF-LIBS. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 171-180.	2.7	55
6	Laser-induced breakdown spectroscopy for determination of uranium in thorium-uranium mixed oxide fuel materials. <i>Talanta</i> , 2009, 78, 800-804.	5.5	52
7	Evaluation of the prediction precision capability of partial least squares regression approach for analysis of high alloy steel by laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 108, 8-14.	2.9	46
8	Determination of lanthanides in rock samples by inductively coupled plasma mass spectrometry using thorium as oxide and hydroxide correction standard. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 809-822.	2.9	44
9	Isotope dilution gas chromatography/mass spectrometry for the determination of nickel in biological materials. <i>Analytical Chemistry</i> , 1989, 61, 1099-1103.	6.5	43
10	Alpha-particle spectrometry for the determination of alpha emitting isotopes in nuclear, environmental and biological samples: past, present and future. <i>Analytical Methods</i> , 2016, 8, 5353-5371.	2.7	42
11	Separation and determination of lanthanides, thorium and uranium using a dual gradient in reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2004, 1052, 131-136.	3.7	40
12	A mechanistic study on the electrocatalysis of the Pu(IV)/Pu(III) redox reaction at a platinum electrode modified with single-walled carbon nanotubes (SWCNTs) and polyaniline (PANI). <i>RSC Advances</i> , 2012, 2, 1810.	3.6	39
13	Comparative evaluation of three $\alpha$ -hydroxycarboxylic acids for the separation of lanthanides by dynamically modified reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 959, 163-172.	3.7	37
14	Bulk determination of uranium and thorium in presence of each other by Total Reflection X-ray Fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 82-85.	2.9	35
15	Determination of sub-ppm levels of boron in ground water samples by laser induced breakdown spectroscopy. <i>Mikrochimica Acta</i> , 2010, 168, 65-69.	5.0	33
16	Uncertainty propagation through correction methodology for the determination of rare earth elements by quadrupole based inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 530, 91-103.	5.4	32
17	Preparation and characterization of Li <sub>2</sub> TiO <sub>3</sub> pebbles by internal gelation sol-gel process. <i>Journal of Nuclear Materials</i> , 2012, 426, 102-108.	2.7	32
18	Electro-oxidation of phenyl hydrazine on a modified electrode constructed using nanocomposite of ruthenium terpyridyl complex, multiwalled carbon nanotubes and nafion. <i>Electrochimica Acta</i> , 2012, 76, 106-111.	5.2	30

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19	A review on the determination of isotope ratios of boron with mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2017, 36, 499-519.	5.4	30
20	Determination of chromium in urine by stable isotope dilution gas chromatography/mass spectrometry using lithium bis(trifluoroethyl)dithiocarbamate as a chelating agent. <i>Analytical Chemistry</i> , 1990, 62, 111-115.	6.5	29
21	Effects of Doping Trivalent Ions in Bismuth Borate Glasses. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1036-1041.	3.8	29
22	Laser induced breakdown spectroscopic quantification of platinum group metals in simulated high level nuclear waste. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1545.	3.0	29
23	Improvements in energy dispersive X-ray fluorescence detection limits with thin specimens deposited on thin transparent adhesive tape supports. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 130-133.	2.9	29
24	Thermal studies on fluorite type Zr <sub>1-x</sub> U <sub>x</sub> O <sub>2</sub> solid solutions. <i>Journal of Nuclear Materials</i> , 2009, 384, 81-86.	2.7	28
25	A novel approach for the determination of <sup>238</sup> Pu by thermal ionization mass spectrometry (TIMS) using interfering element correction methodology. <i>International Journal of Mass Spectrometry</i> , 2005, 241, 83-88.	1.5	27
26	A total reflection X-ray fluorescence method for the determination of chlorine at trace levels in nuclear materials without sample dissolution. <i>X-Ray Spectrometry</i> , 2012, 41, 316-320.	1.4	27
27	A robust methodology for high precision isotopic analysis of boron by thermal ionization mass spectrometry using Na <sub>2</sub> BO <sub>2</sub> <sup>+</sup> ion. <i>International Journal of Mass Spectrometry</i> , 2009, 285, 120-125.	1.5	26
28	Boron and strontium isotope ratios and major/trace elements concentrations in tea leaves at four major tea growing gardens in Taiwan. <i>Environmental Geochemistry and Health</i> , 2016, 38, 737-748.	3.4	26
29	Determination of Tellurium in Urine by Isotope Dilution Gas Chromatography/Mass Spectrometry Using (4-Fluorophenyl)Magnesium Bromide as a Derivatizing Agent and a Comparison with Electrothermal Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 1994, 66, 1316-1322.	6.5	25
30	Direct determination of lanthanides in simulated irradiated thorium fuels using reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1122, 47-53.	3.7	25
31	Trace element determination in thorium oxide using total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 81-85.	2.9	25
32	Investigations on atomic and oxide ion formation of plutonium and uranium in thermal ionization mass spectrometry (TIMS) for determination of <sup>238</sup> Pu. <i>International Journal of Mass Spectrometry</i> , 2004, 239, 51-56.	1.5	24
33	Forensic application of total reflection X-ray fluorescence spectrometry for elemental characterization of ink samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 167-170.	2.9	24
34	Determination of sulphur in uranium matrix by total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1395-1398.	2.9	23
35	Determination of trace constituents in thorium by laser induced breakdown spectrometry. <i>Journal of Nuclear Materials</i> , 2009, 384, 158-162.	2.7	23
36	Determination of Platinum in Urine, Ultrafiltrate, and Whole Plasma by Isotope Dilution Gas Chromatography-Mass Spectrometry Compared to Electrothermal Atomic Absorption Spectrometry. <i>Analytical Biochemistry</i> , 1993, 210, 113-118.	2.4	22

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37	Comparative study of plutonium-239, plutonium-240 and plutonium-242 spikes for determining plutonium concentration by isotope dilution-thermal ionization mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986, 71, 221-231.	1.8	21
38	Mass Spectrometry of Trace Elements in Biological Samples. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 1994, 31, 35-87.	6.1	21
39	Studies on the isotopic analysis of boron by thermal ionisation mass spectrometry using NaCl for the formation of Na <sub>2</sub> BO <sub>2</sub> <sup>+</sup> species. <i>International Journal of Mass Spectrometry</i> , 2008, 273, 105-110.	1.5	21
40	Structure-property correlations in lead silicate glasses and crystalline phases. <i>Phase Transitions</i> , 2013, 86, 759-777.	1.3	21
41	Isotope signature study of the tea samples produced at four different regions in India. <i>Analytical Methods</i> , 2013, 5, 1604.	2.7	21
42	Electrocrystallization of palladium (Pd) nanoparticles on platinum (Pt) electrode and its application for electro-oxidation of formic acid and methanol. <i>Electrochimica Acta</i> , 2014, 116, 314-320.	5.2	21
43	Chemically selective polymer substrate based direct isotope dilution alpha spectrometry of Pu. <i>Analytica Chimica Acta</i> , 2015, 878, 54-62.	5.4	21
44	Fractionation Correction Methodology for Precise and Accurate Isotopic Analysis of Boron by Negative Thermal Ionization Mass Spectrometry Based on BO <sub>2</sub> <sup>+</sup> Ions and Using the <sup>18</sup> O/ <sup>16</sup> O Ratio from ReO <sub>4</sub> <sup>+</sup> for Internal Normalization. <i>Analytical Chemistry</i> , 2009, 81, 7420-7427.	6.5	20
45	Determination of low atomic number elements at trace levels in uranium matrix using vacuum chamber total reflection X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 457-460.	2.9	20
46	Laser induced breakdown spectroscopy for rapid identification of different types of paper for forensic application. <i>Analytical Methods</i> , 2010, 2, 32-36.	2.7	20
47	Tailored Bifunctional Polymer for Plutonium Monitoring. <i>Analytical Chemistry</i> , 2014, 86, 6254-6261.	6.5	20
48	Understanding the Dynamics of Eu <sup>3+</sup> Ions in Room-Temperature Ionic Liquids Electrochemical and Time-Resolved Fluorescence Spectroscopy Studies. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 104-111.	2.0	20
49	An EDXRF method for determination of uranium and thorium in AHWR fuel after dissolution. <i>X-Ray Spectrometry</i> , 2009, 38, 112-116.	1.4	19
50	A review on the mass spectrometric studies of americium: Present status and future perspective. <i>Mass Spectrometry Reviews</i> , 2018, 37, 43-56.	5.4	19
51	Determination of isotope ratios of chromium nickel, zinc and copper by gas chromatography-mass spectrometry by using volatile metal chelates. <i>Analytica Chimica Acta</i> , 1989, 224, 83-95.	5.4	18
52	Scope of detection and determination of gallium(III) in industrial ground water by square wave anodic stripping voltammetry on bismuth film electrode. <i>Talanta</i> , 2011, 86, 256-265.	5.5	18
53	Electrospray ionization mass spectrometric studies on uranyl complex with $\beta$ -hydroxyisobutyric acid in water-methanol medium. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1105-1118.	1.5	18
54	Isotope dilution gas chromatography/mass spectrometry for platinum determination in urine. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 85-90.	2.8	17

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55	Determination of copper in urine and serum by gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 1991, 194, 140-145.	2.4	17
56	Determination of selenium in urine by isotope dilution gas chromatography-mass spectrometry using 4-nitro-o-phenylenediamine, 3,5-dibromo-o-phenylenediamine, and 4-trifluoromethyl-o-phenylenediamine as derivatizing reagents. <i>Analytical Biochemistry</i> , 1992, 202, 367-374.	2.4	17
57	Electrosynthesis of lead nanoparticles on template free gold surface by potentiostatic triple pulse technique. <i>Electrochimica Acta</i> , 2010, 55, 1245-1257.	5.2	17
58	Determination of Uranium in Seawater Samples by Liquid Chromatography using Mandelic Acid as a Complexing Agent. <i>Journal of Chromatographic Science</i> , 2011, 49, 657-664.	1.4	17
59	Non-destructive compositional analysis of sol-gel synthesized lithium titanate (Li <sub>2</sub> TiO <sub>3</sub> ) by particle induced gamma-ray emission and instrumental neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 1597-1603.	1.5	17
60	Template-free electrosynthesis of gold nanoparticles of controlled size dispersion for the determination of lead at ultratrace levels. <i>RSC Advances</i> , 2013, 3, 17977.	3.6	17
61	Experimental evaluation of plutonium-239 spike for determining plutonium concentration by isotope dilution-thermal ionization mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1986, 69, 137-151.	1.8	16
62	Single-walled carbon nanotube (SWCNT) modified gold (Au) electrode for simultaneous determination of plutonium and uranium. <i>RSC Advances</i> , 2013, 3, 13491.	3.6	16
63	An insight into the electrocatalysis of uranyl sulphate on gold nanoparticles modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2015, 154, 413-420.	5.2	16
64	Comparison of spectrum normalization techniques for univariate analysis of stainless steel by laser-induced breakdown spectroscopy. <i>Pramana - Journal of Physics</i> , 2016, 86, 1313-1327.	1.8	16
65	Gallium quantification in solution by LIBS in the presence of bulk uranium. <i>Optics and Laser Technology</i> , 2012, 44, 30-34.	4.6	15
66	Determination of cobalt in urine by gas chromatography-mass spectrometry employing nickel as an internal standard. <i>Biomedical Applications</i> , 1992, 576, 297-304.	1.7	14
67	Mathematical Correction for Polyatomic Isobaric Spectral Interferences in Determination of Lanthanides by Inductively Coupled Plasma Mass Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 589-597.	1.4	14
68	Precise and accurate determination of alpha decay half-life of <sup>244</sup> Pu by relative activity method using thermal ionization mass spectrometry and alpha spectrometry. <i>Radiochimica Acta</i> , 2006, 94, 397-401.	1.2	14
69	Solvent extraction studies of plutonium(IV) by crown ether dicyclohexyl-18-crown-6 (DC18C6) in 1-butyl-3-methyl imidazolium hexafluorophosphate (C <sub>4</sub> mimPF <sub>6</sub> ) and 1-hexyl-3-methyl imidazolium hexafluorophosphate (C <sub>6</sub> mimPF <sub>6</sub> ) room temperature ionic liquids (RTIL). <i>Radiochimica Acta</i> , 2011, 99, 201-205.	1.2	14
70	Studies on the ns-IR-Laser-Induced Plasma Parameters in the Vanadium Oxide. <i>Journal of Atomic, Molecular, and Optical Physics</i> , 2011, 2011, 1-7.	0.5	14
71	Electroanalytical properties and application of anthraquinone derivative-functionalized multiwalled carbon nanotubes nanowires modified glassy carbon electrode in the determination of dissolved oxygen. <i>Materials Research Bulletin</i> , 2012, 47, 1697-1703.	5.2	14
72	Analysis of barium borosilicate glass matrix for uranium determination by using ns-IR-LIBS in air and Ar atmosphere. <i>Radiochimica Acta</i> , 2014, 102, 805-812.	1.2	14

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73	Title is missing!. Journal of Radioanalytical and Nuclear Chemistry, 2000, 245, 623-628.	1.5	13
74	Determination of <sup>238</sup> Pu in plutonium bearing fuels by thermal ionization mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 775-778.	1.5	13
75	High precision isotope ratio measurements on boron by thermal ionization mass spectrometry using Rb <sup>2</sup> BO <sub>2</sub> <sup>+</sup> ion. Analytical Methods, 2011, 3, 322-327.	2.7	13
76	Polymer based sorbent materials for thermal ionization mass spectrometric determination of uranium( <sup>VI</sup> ) and plutonium( <sup>IV</sup> ) ions. Journal of Analytical Atomic Spectrometry, 2016, 31, 985-993.	3.0	13
77	Studies on the evaporation and ionisation behaviour of uranium and plutonium in thermal ionisation mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1994, 139, 111-126.	1.8	12
78	Investigations for isobaric interference of <sup>238</sup> Pu at <sup>238</sup> U during thermal ionization mass spectrometry of uranium and plutonium from the same filament loading. International Journal of Mass Spectrometry and Ion Processes, 1995, 151, 127-135.	1.8	12
79	A Novel Methodology for Processing of Plutonium-Bearing Waste as Ammonium Plutonium(III)-Oxalate. Nuclear Technology, 2005, 151, 289-296.	1.2	12
80	Comparison of alpha-spectrometry and alpha/gamma ratio method for the determination of americium in plutonium bearing fuel materials. Journal of Radioanalytical and Nuclear Chemistry, 2008, 275, 479-482.	1.5	12
81	A novel approach for chlorine determination in acidic medium by total reflection x-ray fluorescence. X-Ray Spectrometry, 2009, 38, 182-185.	1.4	12
82	Reversed-phase liquid chromatography using mandelic acid as an eluent for the determination of uranium in presence of large amounts of thorium. Journal of Chromatography A, 2009, 1216, 1383-1389.	3.7	12
83	Determination of ultratrace boron concentrations in uranium oxide by isotope dilution-thermal ionization mass spectrometry using a simplified separation procedure. Mikrochimica Acta, 2010, 169, 227-231.	5.0	12
84	Electrospray ionisation mass spectrometric studies for the determination of palladium after pre-concentration by disposable pipette extraction. Rapid Communications in Mass Spectrometry, 2012, 26, 1971-1979.	1.5	12
85	Solvent extraction studies of plutonium(IV) and americium(III) in room temperature ionic liquid (RTIL) by di-2-ethyl hexyl phosphoric acid (HDEHP) as extractant. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 153-157.	1.5	12
86	A review on the mass spectrometric analysis of thorium. Radiochimica Acta, 2016, 104, 445-455.	1.2	12
87	Superparamagnetic bi-functional composite bead for the thermal ionization mass spectrometry of plutonium( <sup>IV</sup> ) ions. RSC Advances, 2016, 6, 3326-3334.	3.6	12
88	Development of anodic stripping voltammetry for determination of gallium in U-Ga alloy. Journal of Nuclear Materials, 2007, 360, 215-221.	2.7	11
89	Determination of boron at sub-ppm levels in uranium oxide and aluminum by hyphenated system of complex formation reaction and high-performance liquid chromatography (HPLC). Talanta, 2008, 75, 585-588.	5.5	11
90	Determination of <sup>235</sup> U/ <sup>238</sup> U atom ratio in uranium samples using liquid scintillation counting (LSC). Talanta, 2009, 77, 991-994.	5.5	11

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91	Influence of ionic speciation on electrocatalytic performance of polyaniline coated platinum electrode: Fe(III)/Fe(II) redox reaction. <i>Electrochimica Acta</i> , 2010, 55, 8402-8409.	5.2	11
92	Simultaneous formation of Prussian Blue and copper hexacyanoferrate from a solution of Cu <sup>2+</sup> and K <sub>3</sub> [Fe(CN) <sub>6</sub> ] in presence of H <sub>2</sub> AuCl <sub>4</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2013, 705, 64-67.	3.8	11
93	Determination of Lanthanides, Thorium, Uranium and Plutonium in Irradiated (Th, Pu)O <sub>2</sub> by Liquid Chromatography Using $\beta$ -Hydroxyisobutyric Acid ( $\beta$ -HIBA). <i>International Journal of Analytical Mass Spectrometry and Chromatography</i> , 2013, 01, 72-80.	0.7	11
94	Determination of K-factors for isotope abundance measurements of uranium and plutonium by thermal ionisation mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1984, 87, 169-177.	1.5	10
95	Determination of the half-lives of transactinium isotopes by relative activity method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 103, 213-223.	1.5	10
96	Experimental evaluation of the characteristic features of passivated ion implanted and surface barrier detectors for alpha spectrometry of plutonium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1988, 120, 29-39.	1.5	10
97	In situ synthesis of gold-polyaniline composite in nanopores of polycarbonate membrane. <i>Journal of Materials Science</i> , 2011, 46, 5715-5722.	3.7	10
98	Studies on the third-phase formation in DHDECMP/dodecane/HNO <sub>3</sub> . <i>Radiochimica Acta</i> , 2011, 99, 179-186.	1.2	10
99	A novel biamperometric methodology for thorium determination by EDTA complexometric titration. <i>Radiochimica Acta</i> , 2012, 100, 311-314.	1.2	10
100	Application of TXRF for burn leach test of TRISO coated UO <sub>2</sub> particles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 1357-1361.	1.5	10
101	Half-life of <sup>241</sup> Pu by <sup>241</sup> Am Growth Method Using Isotope Dilution Alpha Spectrometry. <i>Radiochimica Acta</i> , 1981, 29, 65-70.	1.2	9
102	An experimental evaluation of procedures used for quantitative analysis in RF-spark source mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1985, 64, 139-158.	1.8	9
103	A comparative evaluation of <sup>238</sup> Pu determination in NIST-SRM-947-Pu by alpha spectrometry and thermal ionization mass spectrometry. <i>Radiochimica Acta</i> , 2005, 93, 259-263.	1.2	9
104	Dissolution of sintered thorium dioxide in phosphoric acid using autoclave and microwave methods with detection by gamma spectrometry. <i>Microchemical Journal</i> , 2010, 94, 24-27.	4.5	9
105	Instrumental neutron activation analysis for multi-elemental determination in Indian tea samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 613-620.	1.5	9
106	TXRF determination of indium at ultra trace levels in heavy water samples using In K $\alpha$ as analytical line and continuum excitation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 231-235.	1.5	9
107	Determination of Heavy Metals and Lanthanides in Indian Tea by Inductively Coupled Plasma Mass Spectrometry (ICP-MS). <i>Atomic Spectroscopy</i> , 2012, 33, 109-116.	1.2	9
108	Half-life of Pu <sup>241</sup> . <i>Physical Review C</i> , 1980, 21, 2033-2040.	2.9	8



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109	Alpha spectrum evaluation method for the simultaneous determination of plutonium, americium and curium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 107, 263-277.	1.5	8
110	Isotope Dilution Gas Chromatography/Mass Spectrometry for Cadmium Determination in Urine. <i>Journal of Analytical Toxicology</i> , 1993, 17, 5-10.	2.8	8
111	Polyatomic ions in thermal ionisation mass spectrometry – challenges and opportunities. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 141, 149-160.	1.8	8
112	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 245, 619-622.	1.5	8
113	Studies on controlled potential coulometric determination of gallium in sodium perchlorate and sodium thiocyanate. <i>Talanta</i> , 2007, 71, 1263-1267.	5.5	8
114	Comparative Study of Ion Interaction Reagents for the Separation of Lanthanides by Reversed-Phase High Performance Liquid Chromatography (RP-HPLC). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 2146-2163.	1.0	8
115	Energy dispersive X-ray fluorescence determination of cadmium in uranium matrix using Cd K <sub>α</sub> line excited by continuum. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 461-465.	2.9	8
116	Studies on the formation of atomic and molecular ions of uranium and thorium in thermal ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2010, 291, 140-144.	1.5	8
117	Investigations on redox behaviour of Pu(IV)/Pu(III) in H <sub>2</sub> SO <sub>4</sub> on Pt nanoparticles-modified glassy carbon and platinum electrodes. <i>Radiochimica Acta</i> , 2011, 99, 17-21.	1.2	8
118	Synthesis of organized mesoporous γ-alumina templated with polymer–colloidal complex. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 6-10.	2.4	8
119	Electrochemical synthesis of gold nanorods in track-etched polycarbonate membrane using removable mercury cathode. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	8
120	Synthesis of mesoporous γ-alumina by sol–gel process and its characterization and application for sorption of Pu(IV). <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 192-196.	2.4	8
121	Determination of the Plutonium Concentration by Isotope Dilution Alpha Spectrometry using TTA Extraction and Drop Deposited Sources. <i>Radiochimica Acta</i> , 1984, 36, 187-190.	1.2	7
122	Excess volumes of n-butyric acid + various polar and nonpolar solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 1985, 30, 467-469.	1.9	7
123	Determination of plutonium by alpha spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1992, 156, 111-118.	1.5	7
124	Mercury determination in blood by gas chromatography-mass spectrometry. <i>Biological Trace Element Research</i> , 1994, 41, 89-102.	3.5	7
125	Rapid Reduction of U(VI) on Activated Platinum Wire Gauze Electrode for the Primary Coulometric Determination of Uranium. <i>Journal of Applied Electrochemistry</i> , 2004, 34, 617-622.	2.9	7
126	Preparation and characterization of working standards for <sup>238</sup> Pu. <i>Radiochimica Acta</i> , 2007, 95, 233-237.	1.2	7



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127	Determination of impurities in thoria (ThO <sub>2</sub> ) using Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS). <i>Journal of Nuclear Materials</i> , 2010, 406, 356-359.	2.7	7
128	A critical evaluation of different isotope correlations for the determination of <sup>242</sup> Pu. <i>Applied Radiation and Isotopes</i> , 2010, 68, 2416-2420.	1.5	7
129	Application of chemometry for identification of the source of plutonium. <i>International Journal of Nuclear Energy Science and Technology</i> , 2011, 6, 30.	0.0	7
130	Isotope dilution gamma spectrometry for Pu using low energy photons. <i>Radiochimica Acta</i> , 2012, 100, 291-296.	1.2	7
131	The preparation and use of synthetic isotope mixtures for testing the accuracy of the PTIMS method for <sup>10</sup> B/ <sup>11</sup> B isotope ratio determination using boron mannitol complex and NaCl for the formation of Na <sub>2</sub> BO <sub>2</sub> <sup>+</sup> . <i>Analytical Methods</i> , 2012, 4, 3593.	2.7	7
132	Speciation of platinum- <sup>195</sup> m-benzoylthiourea in the gas phase using electrospray ionization mass spectrometry and density functional theory. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 947-954.	1.5	7
133	Determining the age and history of plutonium using isotope correlations and experimentally determined data on isotopic abundances of plutonium and <sup>241</sup> Am. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 277-284.	1.5	7
134	Half-life of <sup>232</sup> U. <i>Physical Review C</i> , 1979, 20, 1533-1541.	2.9	6
135	Determination of the plutonium concentration by isotope dilution mass spectrometry using <sup>239</sup> Pu as a spike. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1985, 93, 141-152.	1.5	6
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