

Suresh Kumar Aggarwal

List of Publications by Year in descending order

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193
papers

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218677

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193
docs citations

193
times ranked

2184
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced Mass Spectrometry for Beverage Safety and Forensic. , 2020, , 223-269.		1
2	A review on the mass spectrometric studies of americium: Present status and future perspective. Mass Spectrometry Reviews, 2018, 37, 43-56.	5.4	19
3	A review on the determination of isotope ratios of boron with mass spectrometry. Mass Spectrometry Reviews, 2017, 36, 499-519.	5.4	30
4	A review on the mass spectrometric analysis of thorium. Radiochimica Acta, 2016, 104, 445-455.	1.2	12
5	Comment on "Determination of low B/Ca ratios in carbonates using ICP-QQ" by S. D. Fernandez et al.. Geochemistry, Geophysics, Geosystems, 2016, 17, 1230-1231.	2.5	1
6	Comparison of spectrum normalization techniques for univariate analysis of stainless steel by laser-induced breakdown spectroscopy. Pramana - Journal of Physics, 2016, 86, 1313-1327.	1.8	16
7	Polymer based sorbent materials for thermal ionization mass spectrometric determination of uranium(^{vi}) and plutonium(^{iv}) ions. Journal of Analytical Atomic Spectrometry, 2016, 31, 985-993.	3.0	13
8	Alpha-particle spectrometry for the determination of alpha emitting isotopes in nuclear, environmental and biological samples: past, present and future. Analytical Methods, 2016, 8, 5353-5371.	2.7	42
9	Determining the age and history of plutonium using isotope correlations and experimentally determined data on isotopic abundances of plutonium and ²⁴¹ Am. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 277-284.	1.5	7
10	Superparamagnetic bi-functional composite bead for the thermal ionization mass spectrometry of plutonium(^{iv}) ions. RSC Advances, 2016, 6, 3326-3334.	3.6	12
11	Thermal ionisation mass spectrometry (TIMS) in nuclear science and technology " a review. Analytical Methods, 2016, 8, 942-957.	2.7	65
12	Boron and strontium isotope ratios and major/trace elements concentrations in tea leaves at four major tea growing gardens in Taiwan. Environmental Geochemistry and Health, 2016, 38, 737-748.	3.4	26
13	An insight into the electrocatalysis of uranyl sulphate on gold nanoparticles modified glassy carbon electrode. Electrochimica Acta, 2015, 154, 413-420.	5.2	16
14	TXRF determination of indium at ultra trace levels in heavy water samples using In K _L as analytical line and continuum excitation. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 231-235.	1.5	9
15	Chemically selective polymer substrate based direct isotope dilution alpha spectrometry of Pu. Analytica Chimica Acta, 2015, 878, 54-62.	5.4	21
16	Evaluation of the prediction precision capability of partial least squares regression approach for analysis of high alloy steel by laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 108, 8-14.	2.9	46
17	Understanding the Dynamics of Eu ³⁺ Ions in Room-Temperature Ionic Liquids " Electrochemical and Time-Resolved Fluorescence Spectroscopy Studies. European Journal of Inorganic Chemistry, 2015, 2015, 104-111.	2.0	20
18	Isotopic correlation for ²⁴² Pu composition prediction: Multivariate regression approach. Applied Radiation and Isotopes, 2015, 95, 169-173.	1.5	3

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19	Evaluation of soil to tea plant elemental correlation using instrumental neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 1507-1512.	1.5	6
20	A mechanistic study on the effect of a surface protecting agent on electrocrystallization of silver nanoparticles. <i>RSC Advances</i> , 2014, 4, 59927-59935.	3.6	6
21	Application of TXRF for burn leach test of TRISO coated UO ₂ particles. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 1357-1361.	1.5	10
22	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
23	HPLC Method for Determination of Th, U and Pu in Irradiated (Th,Pu)O ₂ using Mandelic Acid as an Eluent. <i>Radiochimica Acta</i> , 2014, 102, 973-982.	1.2	3
24	Studies on electrochemical behaviour on NpO ₂ ²⁺ /NpO ₂ + redox couple at single walled carbon nanotube modified glassy carbon electrode (SWCNT-GC). <i>Radiochimica Acta</i> , 2014, 102, 1069-1074.	1.2	1
25	Role of graphite in isotopic analysis of boron in metal boron alloys by Positive-Thermal Ionization Mass Spectrometry (P-TIMS). <i>International Journal of Mass Spectrometry</i> , 2014, 364, 21-24.	1.5	6
26	Prospective use of the potentiostatic triple pulse strategy for the template-free electrosynthesis of metal nanoparticles. <i>RSC Advances</i> , 2014, 4, 55349-55353.	3.6	5
27	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
28	A comparative study on total reflection X-ray fluorescence determination of low atomic number elements in air, helium and vacuum atmospheres using different excitation sources. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 99, 129-132.	2.9	6
29	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. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 301, 153-157.	1.5	12
30	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
31	Tailored Bifunctional Polymer for Plutonium Monitoring. <i>Analytical Chemistry</i> , 2014, 86, 6254-6261.	6.5	20
32	Electroanalysis in India. <i>Electroanalysis</i> , 2014, 26, 2304-2304.	2.9	0
33	Structure-property correlations in lead silicate glasses and crystalline phases. <i>Phase Transitions</i> , 2013, 86, 759-777.	1.3	21
34	Non-destructive compositional analysis of sol-gel synthesized lithium titanate (Li ₂ TiO ₃) 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
35	Synthesis of doped and undoped ³ Al ₂ O ₃ alumina spherical particles by a new sol-gel hybrid process and their application for methanol dehydration. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 145-154.	2.4	3
36	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

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37	Devitrification properties of lead borate glasses. <i>Phase Transitions</i> , 2013, 86, 541-550.	1.3	3
38	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
39	A hybrid electrochemical-chemical synthesis of a polyaniline film on a Au electrode. <i>RSC Advances</i> , 2013, 3, 25674.	3.6	3
40	Isotope signature study of the tea samples produced at four different regions in India. <i>Analytical Methods</i> , 2013, 5, 1604.	2.7	21
41	Performance evaluation of indigenous amperometers for the determination of uranium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 601-605.	1.5	4
42	Biamperometric methodology for sequential determination of thorium and uranium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 1431-1434.	1.5	2
43	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
44	Simultaneous formation of Prussian Blue and copper hexacyanoferrate from a solution of Cu ²⁺ and K ₃ [Fe(CN) ₆] in presence of H ₂ AuCl ₄ . <i>Journal of Electroanalytical Chemistry</i> , 2013, 705, 64-67.	3.8	11
45	Novel Method for Stripping Uranium from the Organic Phase in the Recovery of Uranium from Wet Process Phosphoric Acid (WPA). <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 5418-5427.	3.7	4
46	Electrochemical studies of U(VI)/U(IV) redox reaction in 1M H ₂ SO ₄ at single-walled carbon nanotubes (SWCNTs) modified gold (Au) electrode. <i>Radiochimica Acta</i> , 2013, 101, 399-404.	1.2	4
47	Electrochemical reduction of U(VI) in H ₂ SO ₄ at gold nanoporous film electrode. <i>Radiochimica Acta</i> , 2013, 101, 253-258.	1.2	2
48	Electrospray ionization mass spectrometric studies on uranyl complex with L-hydroxyisobutyric acid in water-methanol medium. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1105-1118.	1.5	18
49	DETERMINATION OF LANTHANIDES AND YTTRIUM IN HIGH PURITY DYSPROSIUM BY RP-HPLC USING L-HYDROXYISOBUTYRIC ACID AS AN ELUENT. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1513-1527.	1.0	6
50	Speciation of platinum-cis-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
51	Determination of Lanthanides, Thorium, Uranium and Plutonium in Irradiated (Th, Pu)O ₂ by Liquid Chromatography Using L-Hydroxyisobutyric Acid (L-HIBA). <i>International Journal of Analytical Mass Spectrometry and Chromatography</i> , 2013, 01, 72-80.	0.7	11
52	Isotope dilution gamma spectrometry for Pu using low energy photons. <i>Radiochimica Acta</i> , 2012, 100, 291-296.	1.2	7
53	A novel biamperometric methodology for thorium determination by EDTA complexometric titration. <i>Radiochimica Acta</i> , 2012, 100, 311-314.	1.2	10
54	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

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55	Determination of uranium isotopes in irradiated thorium dioxide by alpha spectrometry using WinALPHA for deconvolution of complex spectra. Journal of Radioanalytical and Nuclear Chemistry, 2012, 294, 405-408.	1.5	6
56	Electrochemical synthesis of gold nanorods in track-etched polycarbonate membrane using removable mercury cathode. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	8
57	The preparation and use of synthetic isotope mixtures for testing the accuracy of the PTIMS method for 10B/11B isotope ratio determination using boron mannitol complex and NaCl for the formation of Na ₂ BO ₂ ⁺ . Analytical Methods, 2012, 4, 3593.	2.7	7
58	Gallium quantification in solution by LIBS in the presence of bulk uranium. Optics and Laser Technology, 2012, 44, 30-34.	4.6	15
59	A total reflection X-ray fluorescence method for the determination of chlorine at trace levels in nuclear materials without sample dissolution. X-Ray Spectrometry, 2012, 41, 316-320.	1.4	27
60	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
61	Electro-oxidation of phenyl hydrazine on a modified electrode constructed using nanocomposite of ruthenium terpyridyl complex, multiwalled carbon nanotubes and nafion. Electrochimica Acta, 2012, 76, 106-111.	5.2	30
62	Electroanalytical properties and application of anthraquinone derivative-functionalized multiwalled carbon nanotubes nanowires modified glassy carbon electrode in the determination of dissolved oxygen. Materials Research Bulletin, 2012, 47, 1697-1703.	5.2	14
63	Preparation and characterization of Li ₂ TiO ₃ pebbles by internal gelation sol-gel process. Journal of Nuclear Materials, 2012, 426, 102-108.	2.7	32
64	Synthesis of mesoporous γ -alumina by sol-gel process and its characterization and application for sorption of Pu(IV). Journal of Sol-Gel Science and Technology, 2012, 61, 192-196.	2.4	8
65	Electrochemical synthesis of gold nanorods in track-etched polycarbonate membrane using removable mercury cathode. , 2012, , 349-358.		2
66	Determination of Heavy Metals and Lanthanides in Indian Tea by Inductively Coupled Plasma Mass Spectrometry (ICP-MS). Atomic Spectroscopy, 2012, 33, 109-116.	1.2	9
67	DEVELOPMENT OF ANODIC STRIPPING VOLTAMMETRY FOR THE DETERMINATION OF PALLADIUM IN HIGH LEVEL NUCLEAR WASTE. Nuclear Engineering and Technology, 2012, 44, 939-944.	2.3	3
68	Introduction of the Indian Society for Mass Spectrometry (ISMAS) (http:// www.ismas.org). Mass Spectrometry Letters, 2012, 3, 1-3.	0.5	0
69	High precision isotope ratio measurements on boron by thermal ionization mass spectrometry using Rb ₂ BO ₂ ⁺ ion. Analytical Methods, 2011, 3, 322-327.	2.7	13
70	Investigations on redox behaviour of Pu(IV)/Pu(III) in H ₂ SO ₄ on Pt nanoparticles-modified glassy carbon and platinum electrodes. Radiochimica Acta, 2011, 99, 17-21.	1.2	8
71	Scope of detection and determination of gallium(III) in industrial ground water by square wave anodic stripping voltammetry on bismuth film electrode. Talanta, 2011, 86, 256-265.	5.5	18
72	Application of chemometry for identification of the source of plutonium. International Journal of Nuclear Energy Science and Technology, 2011, 6, 30.	0.0	7

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73	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
74	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
75	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
76	The use of laser induced breakdown spectroscopy for the determination of Li in organic wash solutions during the preparation of lithium based oxide ceramics by sol-gel. <i>Optics and Laser Technology</i> , 2011, 43, 736-739.	4.6	4
77	A comparative study on determination of uranium and thorium in their mixed oxides by EDXRF using tube and radioisotope X-ray sources. <i>X-Ray Spectrometry</i> , 2011, 40, 379-384.	1.4	2
78	Use of fission track analysis technique for the determination of MicroBequerel level of ^{239}Pu in urine samples from radiation workers handling MOX fuel. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1052-1056.	1.5	0
79	Determination of $^{235}\text{U}/^{238}\text{U}$ ratio by low energy gamma rays: an experimental evaluation. <i>Radiochimica Acta</i> , 2011, 99, 145-149.	1.2	2
80	Studies on the third-phase formation in DHDECMP/dodecane/ HNO_3 . <i>Radiochimica Acta</i> , 2011, 99, 179-186.	1.2	10
81	Solvent extraction studies of plutonium(IV) by crown ether dicyclohexyl-18-crown-6 (DC18C6) in 1-butyl-3-methyl imidazolium hexafluorophosphate (C_4mimPF_6) and 1-hexyl-3-methyl imidazolium hexafluorophosphate (C_6mimPF_6) room temperature ionic liquids (RTIL). <i>Radiochimica Acta</i> , 2011, 99, 201-205.	1.2	14
82	Electrochemical studies of U(VI)/U(V) in saturated Na_2CO_3 solution at gold nanoparticles embedded CTA-modified electrode. <i>Radiochimica Acta</i> , 2011, 99, 555-562.	1.2	4
83	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
84	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
85	Elemental Profiling of Indian Tea by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES). <i>Atomic Spectroscopy</i> , 2011, 32, 168-174.	1.2	3
86	Energy dispersive X-ray fluorescence determination of cadmium in uranium matrix using $\text{Cd K}\alpha$ line excited by continuum. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 461-465.	2.9	8
87	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
88	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
89	Determination of ultratrace boron concentrations in uranium oxide by isotope dilution-thermal ionization mass spectrometry using a simplified separation procedure. <i>Mikrochimica Acta</i> , 2010, 169, 227-231.	5.0	12
90	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

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91	Energy dispersive X-Ray fluorescence determination of thorium in phosphoric acid solutions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 579-582.	2.9	6
92	Determination of americium in plutonium based nuclear fuel materials: An assessment of different methodologies. <i>Journal of Nuclear Materials</i> , 2010, 406, 271-275.	2.7	3
93	Determination of impurities in thoria (ThO ₂) using Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS). <i>Journal of Nuclear Materials</i> , 2010, 406, 356-359.	2.7	7
94	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
95	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
96	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
97	A critical evaluation of different isotope correlations for the determination of ²⁴² Pu. <i>Applied Radiation and Isotopes</i> , 2010, 68, 2416-2420.	1.5	7
98	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
99	Phase Behavior Studies on Neptunium Oxide–Zirconium Oxide and Neptunium Oxide–Calcium–Stabilized Zirconia Systems. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3437-3442.	3.8	0
100	Development of gamma spectrometric method for the determination of thorium in phosphoric acid solution. <i>Radiochimica Acta</i> , 2010, 98, 287-289.	1.2	0
101	Heat capacities of polycrystalline nLiH and nLiD by differential scanning calorimetric method. <i>Journal of Alloys and Compounds</i> , 2010, 505, 309-314.	5.5	6
102	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
103	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
104	Determination of lithium by potentiometry using fluoride ion selective electrode. <i>Analytical Methods</i> , 2010, 2, 1752.	2.7	3
105	Thermal studies on fluorite type Zr _{1-x} U _x O ₂ solid solutions. <i>Journal of Nuclear Materials</i> , 2009, 384, 81-86.	2.7	28
106	Studies for simultaneous quantitative electrodeposition of plutonium and americium for alpha-spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 279, 777-781.	1.5	6
107	Gamma spectrometry for quantification of trace amounts of actinides in concentrated ammonium nitrate solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 457-459.	1.5	4
108	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

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109	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
110	Effects of Doping Trivalent Ions in Bismuth Borate Glasses. Journal of the American Ceramic Society, 2009, 92, 1036-1041.	3.8	29
111	A robust methodology for high precision isotopic analysis of boron by thermal ionization mass spectrometry using Na ₂ BO ₂ ⁺ ion. International Journal of Mass Spectrometry, 2009, 285, 120-125.	1.5	26
112	Determination of trace constituents in thoria by laser induced breakdown spectrometry. Journal of Nuclear Materials, 2009, 384, 158-162.	2.7	23
113	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
114	Fractionation Correction Methodology for Precise and Accurate Isotopic Analysis of Boron by Negative Thermal Ionization Mass Spectrometry Based on BO ₂ ⁺ Ions and Using the ¹⁸ O/ ¹⁶ O Ratio from ReO ₄ ⁺ for Internal Normalization. Analytical Chemistry, 2009, 81, 7420-7427.	6.5	20
115	Determination of ²³⁵ U/ ²³⁸ U atom ratio in uranium samples using liquid scintillation counting (LSC). Talanta, 2009, 77, 991-994.	5.5	11
116	Laser-induced breakdown spectroscopy for determination of uranium in thorium-uranium mixed oxide fuel materials. Talanta, 2009, 78, 800-804.	5.5	52
117	Laser induced breakdown spectroscopic quantification of platinum group metals in simulated high level nuclear waste. Journal of Analytical Atomic Spectrometry, 2009, 24, 1545.	3.0	29
118	Comparative Study of Ion Interaction Reagents for the Separation of Lanthanides by Reversed-Phase High Performance Liquid Chromatography (RP-HPLC). Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2146-2163.	1.0	8
119	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
120	Trace element determination in thorium oxide using total reflection X-ray fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 81-85.	2.9	25
121	Determination of sulphur in uranium matrix by total reflection X-ray fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 1395-1398.	2.9	23
122	Studies on the isotopic analysis of boron by thermal ionisation mass spectrometry using NaCl for the formation of Na ₂ BO ₂ ⁺ species. International Journal of Mass Spectrometry, 2008, 273, 105-110.	1.5	21
123	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
124	Laser-induced breakdown spectroscopy for simultaneous determination of Sm, Eu and Gd in aqueous solution. Talanta, 2008, 77, 256-261.	5.5	109
125	Determination of thorium and uranium in solution by laser-induced breakdown spectrometry. Applied Optics, 2008, 47, G58.	2.1	73
126	Use of faecal excretion function for quick estimation of initial and existing lung burden for occupational exposure control due to ²³⁹ Pu for S-class of intake. Radiation Protection Dosimetry, 2007, 129, 403-410.	0.8	1

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127	Derivation and validation of a urinary excretion function for plutonium based on occupational exposure. <i>Radiation Protection Dosimetry</i> , 2007, 129, 386-390.	0.8	0
128	Preparation and characterization of working standards for ²³⁸ Pu. <i>Radiochimica Acta</i> , 2007, 95, 233-237.	1.2	7
129	Studies on controlled potential coulometric determination of gallium in sodium perchlorate and sodium thiocyanate. <i>Talanta</i> , 2007, 71, 1263-1267.	5.5	8
130	Development of anodic stripping voltammetry for determination of gallium in U-Ga alloy. <i>Journal of Nuclear Materials</i> , 2007, 360, 215-221.	2.7	11
131	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
132	Determination of ²⁴¹ Am/ ²⁴³ Am ratios. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 273, 771-774.	1.5	4
133	Determination of ²³⁸ Pu in plutonium bearing fuels by thermal ionization mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 273, 775-778.	1.5	13
134	Determination of ²⁴³ Am by pulse shape discrimination liquid scintillation spectrometry. <i>Applied Radiation and Isotopes</i> , 2006, 64, 579-583.	1.5	3
135	Direct determination of lanthanides in simulated irradiated thoria fuels using reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1122, 47-53.	3.7	25
136	Solvent extraction studies on Th(IV) and U(VI) using PolyEthylene Glycol (PEG) based aqueous biphasic system (ABS) with 18-crown-6. <i>Radiochimica Acta</i> , 2006, 94, 199-203.	1.2	4
137	Precise and accurate determination of alpha decay half-life of ²⁴⁴ Pu by relative activity method using thermal ionization mass spectrometry and alpha spectrometry. <i>Radiochimica Acta</i> , 2006, 94, 397-401.	1.2	14
138	A Novel Methodology for Processing of Plutonium-Bearing Waste as Ammonium Plutonium(III)-Oxalate. <i>Nuclear Technology</i> , 2005, 151, 289-296.	1.2	12
139	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
140	A novel approach for the determination of ²³⁸ 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
141	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
142	A comparative evaluation of ²³⁸ 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
143	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
144	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

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148	Title is missing!. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2000, 245, 619-622.	1.5	8
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151	Preparation and characterization of ²³⁴ U for mass spectrometry and alpha-spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 230, 307-309.	1.5	2
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161	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
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182	Determination of alpha activity ratios by alpha spectrometry in the presence of large amounts of uranium. Journal of Radioanalytical and Nuclear Chemistry, 1985, 89, 89-95.	1.5	2
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