

Radhika M Rao

List of Publications by Year in descending order

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17
papers

110
citations

1478505

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1372567

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docs citations

17
times ranked

96
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	The preparation and use of synthetic isotope mixtures for testing the accuracy of the PTIMS method for ¹⁰ B/ ¹¹ B 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
6	Precision and accuracy in the determination of plutonium-239 /uranium-233, americium-241/ uranium-233 and curium-244 /uranium-233 alpha activity ratios by alpha spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 1986, 106, 295-307.	1.5	6
7	Role of graphite in isotopic analysis of boron in metal boron alloys by Positive-Thermal Ionization Mass Spectrometry (P-TIMS). International Journal of Mass Spectrometry, 2014, 364, 21-24.	1.5	6
8	Deep eutectic solvent-based extraction of uranium(^{vi}) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 590-597.	3.0	6
9	Supported liquid membrane based loading technique for thermal ionization mass spectrometry: an application to plutonium isotopic composition and concentration determination. Journal of Radioanalytical and Nuclear Chemistry, 2018, 317, 1367-1376.	1.5	5
10	Investigations for the Determination of Plutonium Concentration Employing Non Isotopic Diluent in Alpha Spectrometry (NIDAS). Radiochimica Acta, 1987, 41, 23-30.	1.2	4
11	One step sample treatment and loading using a deep eutectic solvent immobilized in a porous substrate for thermal ionization mass spectrometry of Pu(^{iv}) ions. Journal of Analytical Atomic Spectrometry, 2020, 35, 2315-2321.	3.0	4
12	Accuracy in the Isotope Dilution Mass Spectrometry of Uranium in Rubidium Uranium Sulphate Rb ₂ U(SO ₄) ₃ . Analytical Letters, 1993, 26, 981-999.	1.8	3
13	Precise and rapid isotopic analysis of lithium in refractory materials using NaLiBO ₂ ⁺ by thermal ionization mass spectrometry (TIMS). International Journal of Mass Spectrometry, 2020, 451, 116292.	1.5	3
14	Study on effect of sodium based buffers on the isotopic measurement of boron using Na ₂ BO ₂ ⁺ by thermal ionization mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 1367-1372.	1.5	2
15	Fusion method for sample preparation for isotopic composition determination of boron in refractory materials by thermal ionization mass spectrometry with validation using dissolved and purified samples. International Journal of Mass Spectrometry, 2021, 467, 116624.	1.5	1
16	Precise determination of ⁶ Li/ ⁷ Li isotopic ratio with NaLiBO ₂ ⁺ ion using total evaporation and ion integration by Thermal Ionization Mass Spectrometry(TIMs). International Journal of Mass Spectrometry, 2021, 469, 116683.	1.5	1
17	Isotope dilution thermal ionization mass spectrometry (ID-TIMS) for determination of concentration of enriched lithium using NaLiBO ₂ ⁺ ions. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1009-1017.	1.5	0