

# Radhika M Rao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/673008/publications.pdf>

Version: 2024-02-01

17  
papers

110  
citations

1478505

6  
h-index

1372567

10  
g-index

17  
all docs

17  
docs citations

17  
times ranked

96  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>International Journal of Mass Spectrometry</i> , 2021, 467, 116624.	1.5	1
2	Precise determination of $6\text{Li}/7\text{Li}$ isotopic ratio with $\text{NaLiBO}_2^+$ ion using total evaporation and ion integration by Thermal Ionization Mass Spectrometry (TIMS). <i>International Journal of Mass Spectrometry</i> , 2021, 469, 116683.	1.5	1
3	Deep eutectic solvent-based extraction of uranium ( $^{238}\text{U}$ ) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 590-597.	3.0	6
4	Study on effect of sodium based buffers on the isotopic measurement of boron using $\text{Na}_2\text{BO}_2^+$ by thermal ionization mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 1367-1372.	1.5	2
5	One step sample treatment and loading using a deep eutectic solvent immobilized in a porous substrate for thermal ionization mass spectrometry of $\text{Pu}(\text{IV})$ ions. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2315-2321.	3.0	4
6	Isotope dilution thermal ionization mass spectrometry (ID-TIMS) for determination of concentration of enriched lithium using $\text{NaLiBO}_2^+$ ions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 326, 1009-1017.	1.5	0
7	Precise and rapid isotopic analysis of lithium in refractory materials using $\text{NaLiBO}_2^+$ by thermal ionization mass spectrometry (TIMS). <i>International Journal of Mass Spectrometry</i> , 2020, 451, 116292.	1.5	3
8	Supported liquid membrane based loading technique for thermal ionization mass spectrometry: an application to plutonium isotopic composition and concentration determination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 1367-1376.	1.5	5
9	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
10	The preparation and use of synthetic isotope mixtures for testing the accuracy of the PTIMS method for $10\text{B}/11\text{B}$ isotope ratio determination using boron mannitol complex and $\text{NaCl}$ for the formation of $\text{Na}_2\text{BO}_2^+$ . <i>Analytical Methods</i> , 2012, 4, 3593.	2.7	7
11	High precision isotope ratio measurements on boron by thermal ionization mass spectrometry using $\text{Rb}_2\text{BO}_2^+$ ion. <i>Analytical Methods</i> , 2011, 3, 322-327.	2.7	13
12	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
13	A robust methodology for high precision isotopic analysis of boron by thermal ionization mass spectrometry using $\text{Na}_2\text{BO}_2^+$ ion. <i>International Journal of Mass Spectrometry</i> , 2009, 285, 120-125.	1.5	26
14	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). <i>Talanta</i> , 2008, 75, 585-588.	5.5	11
15	Accuracy in the Isotope Dilution Mass Spectrometry of Uranium in Rubidium Uranium Sulphate $\text{Rb}_2\text{U}(\text{SO}_4)_3$ . <i>Analytical Letters</i> , 1993, 26, 981-999.	1.8	3
16	Investigations for the Determination of Plutonium Concentration Employing Non Isotopic Diluent in Alpha Spectrometry (NIDAS). <i>Radiochimica Acta</i> , 1987, 41, 23-30.	1.2	4
17	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. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 106, 295-307.	1.5	6