

Lav Tandon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

762
citations

14
h-index

27
g-index

46
ext. papers

827
ext. citations

2.1
avg, IF

3.35
L-index

#	Paper	IF	Citations
41	Aluminum, calcium, and iron in the spinal cord of patients with sporadic amyotrophic lateral sclerosis using laser microprobe mass spectroscopy: a preliminary study. <i>Journal of the Neurological Sciences</i> , 1995 , 130, 203-8	3.2	117
40	H ₂ Production in the Radiolysis of Water on CeO ₂ and ZrO ₂ . <i>Journal of Physical Chemistry B</i> , 2002 , 106, 380-386	3.4	93
39	Iron, selenium and glutathione peroxidase activity are elevated in sporadic motor neuron disease. <i>Neuroscience Letters</i> , 1994 , 182, 87-90	3.3	91
38	H ₂ Production in the Radiolysis of Water on UO ₂ and Other Oxides. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 13623-13628	3.4	74
37	The urgent requirement for new radioanalytical certified reference materials for nuclear safeguards, forensics, and consequence management. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 296, 5-22	1.5	36
36	A review of radiologically important trace elements in human bones. <i>Applied Radiation and Isotopes</i> , 1998 , 49, 903-10	1.7	31
35	Nuclear, chemical, and physical characterization of nuclear materials. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008 , 276, 467-473	1.5	29
34	Neutron activation analysis of trace elements in motor neuron disease spinal cord. <i>Experimental Neurology</i> , 1995 , 4, 383-90		26
33	A lexicon for consistent description of material images for nuclear forensics. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 1611-1619	1.5	23
32	Validation of reference materials for uranium radiochronometry in the frame of nuclear forensic investigations. <i>Applied Radiation and Isotopes</i> , 2015 , 102, 81-86	1.7	21
31	RNAA for arsenic, cadmium, copper, and molybdenum in CNS tissues from subjects with age-related neurodegenerative diseases. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1994 , 179, 331-339	1.5	19
30	Intercomparison of the Radio-Chronometric Ages of Plutonium-Certified Reference Materials with Distinct Isotopic Compositions. <i>Analytical Chemistry</i> , 2019 , 91, 11643-11652	7.8	18
29	Forensic investigation of plutonium metal: a case study of CRM 126. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 310, 623-632	1.5	16
28	Refinement of Pu parent-daughter isotopic and concentration analysis for forensic (dating) purposes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 549-554	1.5	15
27	Characterization of depleted uranium oxides fabricated using different processing methods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008 , 276, 475-481	1.5	14
26	H ₂ and Cl ₂ production in the radiolysis of calcium and magnesium chlorides and hydroxides. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 2861-5	2.8	14
25	Determination of origin and intended use of plutonium metal using nuclear forensic techniques. <i>Forensic Science International</i> , 2017 , 273, e1-e9	2.6	13

24	Critical need for plutonium and uranium isotopic standards with lower uncertainties. <i>Analytical Methods</i> , 2016 , 8, 7289-7305	3.2	13
23	Elemental composition in sealed plutonium-beryllium neutron sources. <i>Applied Radiation and Isotopes</i> , 2015 , 95, 85-89	1.7	11
22	The radiolysis of poly(4-vinylpyridine) quaternary salt ion exchange resins. <i>Journal of Nuclear Materials</i> , 2008 , 373, 103-111	3.3	10
21	The application of radiochronometry during the 4th collaborative materials exercise of the nuclear forensics international technical working group (ITWG). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 315, 425-434	1.5	8
20	Plutonium oxalate precipitation for trace elemental determination in plutonium materials. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 1203-1213	1.5	8
19	Plutonium metal standards exchange program for actinide measurement quality assurance (2001-2007). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 565-571	1.5	8
18	Dissolution and assay of neptunium oxide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 296, 245-249	1.5	7
17	Interactive image quantification tools in nuclear material forensics 2011 ,		7
16	Dissolution of aerosol particles collected from nuclear facility plutonium production process. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 2047-2053	1.5	5
15	Uranium assay and trace element analysis of the fourth collaborative material exercise samples by the modified Davies-Gray method and the ICP-MS/OES techniques. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 315, 379-394	1.5	5
14	Establishing reactor operations from uranium targets used for the production of plutonium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 573-579	1.5	4
13	Nuclear forensic analysis of a non-traditional actinide sample. <i>Talanta</i> , 2016 , 159, 200-207	6.2	3
12	Determination of initial fuel state and number of reactor shutdowns in archived low-burnup uranium targets. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 1871-1876	1.5	3
11	The analysis of uranium-232: comparison of radiochemical techniques and an improved method by alpha spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 296, 483-487	1.5	3
10	Alpha spectrometric characterization of process-related particle size distributions from active particle sampling at the Los Alamos National Laboratory uranium foundry. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 9, 012041	0.4	3
9	Elemental imbalance studies by INAA on extraneural tissues from amyotrophic lateral sclerosis patients. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995 , 195, 13-19	1.5	3
8	Nuclear Forensics of a Non-Traditional Sample: Neptunium. <i>MRS Advances</i> , 2016 , 1, 2999-3005	0.7	3
7	Analytical chemistry of nuclear material: case studies from Los Alamos National Laboratory. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 1697-1712	1.5	3

6	Chemical investigation of three plutonium-Beryllium neutron sources. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 312, 95-104	1.5	2
5	Application of micro-XRF for nuclear materials characterization and problem solving. <i>Powder Diffraction</i> , 2013 , 28, 127-131	1.8	2
4	Unique challenges with recent gamma spectroscopy measurements at Los Alamos National Laboratory. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 533-537	1.5	1
3	Gamma spectrometer measurements of microgram quantities of plutonium using uranium L X-rays in the 1301 keV region. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 296, 429-434	1.5	
2	One-dimensional mapping of gamma emitting radionuclides in support of forensic examination. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009 , 282, 865	1.5	
1	Characterization of nuclear materials signatures using statistical analysis processing in conjunction with quantitative morphology: a preliminary study. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 328, 259-266	1.5	