

Sarata Kumar Sahoo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5854054/publications.pdf>

Version: 2024-02-01

36
papers

616
citations

567281

15
h-index

642732

23
g-index

36
all docs

36
docs citations

36
times ranked

601
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical procedure using DGA-normal resin developed for separation of ^{90}Sr from radiocaesium and other elements. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 328, 1383-1389.	1.5	2
2	Geochemical characterization of monazite sands based on rare earth elements, thorium and uranium from a natural high background radiation area in Tamil Nadu, India. <i>Journal of Environmental Radioactivity</i> , 2021, 232, 106565.	1.7	14
3	Precise measurement of $^{234}\text{U}/^{238}\text{U}$, $^{235}\text{U}/^{238}\text{U}$ and $^{236}\text{U}/^{238}\text{U}$ isotope ratios in Fukushima soils using thermal ionization mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 180, 106161.	2.9	11
4	Sorption-desorption coefficients of uranium in contaminated soils collected around Fukushima Daiichi Nuclear Power Station. <i>Journal of Environmental Radioactivity</i> , 2021, 233, 106617.	1.7	8
5	Precise measurement of uranium isotope ratios in Fukushima soils using multi-collector inductively coupled plasma mass spectrometry (MC-ICP-MS). <i>International Journal of Mass Spectrometry</i> , 2021, 467, 116623.	1.5	6
6	Effect of operating variables on the separation of radiostrontium from aqueous matrices with ion-selective solid-phase extraction systems. <i>Journal of Chromatography A</i> , 2021, 1658, 462625.	3.7	4
7	ICP-MS Measurement of Trace and Rare Earth Elements in Beach Placer-Deposit Soils of Odisha, East Coast of India, to Estimate Natural Enhancement of Elements in the Environment. <i>Molecules</i> , 2021, 26, 7510.	3.8	4
8	Sorption and desorption studies of Cs and Sr in contaminated soil samples around Fukushima Daiichi Nuclear Power Plant. <i>Journal of Soils and Sediments</i> , 2020, 20, 392-403.	3.0	21
9	Landside tritium leakage over through years from Fukushima Dai-ichi nuclear plant and relationship between countermeasures and contaminated water. <i>Scientific Reports</i> , 2020, 10, 19925.	3.3	21
10	A Microwave Digestion Technique for the Analysis of Rare Earth Elements, Thorium and Uranium in Geochemical Certified Reference Materials and Soils by Inductively Coupled Plasma Mass Spectrometry. <i>Molecules</i> , 2020, 25, 5178.	3.8	19
11	Geochemical behavior of uranium and thorium in sand and sandy soil samples from a natural high background radiation area of the Odisha coast, India. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31339-31349.	5.3	14
12	Chemical Separation of Uranium and Precise Measurement of $^{234}\text{U}/^{238}\text{U}$ and $^{235}\text{U}/^{238}\text{U}$ Ratios in Soil Samples Using Multi Collector Inductively Coupled Plasma Mass Spectrometry. <i>Molecules</i> , 2020, 25, 2138.	3.8	15
13	Distribution patterns of gamma radiation dose rate in the high background radiation area of Odisha, India. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 324, 1423-1434.	1.5	8
14	Precise Measurement of Tellurium Isotope Ratios in Terrestrial Standards Using a Multiple Collector Inductively Coupled Plasma Mass Spectrometry. <i>Molecules</i> , 2020, 25, 1956.	3.8	2
15	Accurate and precise determination of ^{90}Sr at femtogram level in IAEA proficiency test using Thermal Ionization Mass Spectrometry. <i>Scientific Reports</i> , 2019, 9, 16532.	3.3	14
16	Method for ^{90}Sr Analysis in Environmental Samples Using Thermal Ionization Mass Spectrometry with Daly Ion-Counting System. <i>Analytical Chemistry</i> , 2019, 91, 2964-2969.	6.5	12
17	MEASUREMENT OF URANIUM IN URINE, HAIR AND NAILS IN SUBJECTS OF NISKA BANJA TOWN, A HIGH NATURAL BACKGROUND RADIATION AREA OF SERBIA. <i>Radiation Protection Dosimetry</i> , 2019, 184, 319-323.	0.8	0
18	Distribution of uranium in Japanese river waters determined with inductively coupled plasma mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1307-1314.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Measurement of uranium distribution coefficient and $^{235}\text{U}/^{238}\text{U}$ ratio in soils affected by Fukushima dai-ichi nuclear power plant accident. <i>Journal of Environmental Radioactivity</i> , 2019, 198, 36-42.	1.7	24
20	Zirconium decontamination factor test on DGA and Sr resin for ^{90}Sr analysis using inorganic mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1339-1344.	1.5	6
21	$^{238}\text{Pu}/(^{239}+^{240})\text{Pu}$ activity ratio as an indicator of Pu originating from the FDNPP accident in the terrestrial environment of Fukushima Prefecture. <i>Journal of Environmental Radioactivity</i> , 2019, 196, 133-140.	1.7	4
22	Radiocesium and ^{40}K distribution of river sediments and floodplain deposits in the Fukushima exclusion zone. <i>Journal of Environmental Radioactivity</i> , 2018, 195, 40-53.	1.7	12
23	Vertical migration of radio-caesium derived from the Fukushima Dai-ichi Nuclear Power Plant accident in undisturbed soils of grassland and forest. <i>Journal of Geochemical Exploration</i> , 2016, 169, 163-186.	3.2	31
24	Strontium-90 activity concentration in soil samples from the exclusion zone of the Fukushima daiichi nuclear power plant. <i>Scientific Reports</i> , 2016, 6, 23925.	3.3	88
25	A pilot study for dose evaluation in high-level natural radiation areas of Yangjiang, China. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 317-323.	1.5	21
26	Distribution and retention of Cs radioisotopes in soil affected by Fukushima nuclear plant accident. <i>Journal of Soils and Sediments</i> , 2015, 15, 374-380.	3.0	31
27	Terrestrial radioisotopes as paleoenvironmental proxies in sedimentary formations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 306, 289-293.	1.5	7
28	Distribution of rare earth elements, thorium and uranium in Gulf of Thailand's sediments. <i>Environmental Earth Sciences</i> , 2015, 73, 3361-3374.	2.7	19
29	Natural radioactivity survey on soils originated from southern part of Thailand as potential sites for nuclear power plants from radiological viewpoint and risk assessment. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 305, 487-499.	1.5	20
30	Distribution of uranium and selected trace metals in Balkan human scalp hair using inductively coupled plasma mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2014, 373, 15-21.	1.5	13
31	Naturally occurring radionuclides and rare earth elements in weathered Japanese soil samples. <i>Acta Geophysica</i> , 2013, 61, 876-885.	2.0	18
32	Activity concentrations of environmental samples collected in Fukushima Prefecture immediately after the Fukushima nuclear accident. <i>Scientific Reports</i> , 2013, 3, 2283.	3.3	49
33	Thorium, Uranium and Rare Earth Elements Concentration in Weathered Japanese Soil Samples. <i>Progress in Nuclear Science and Technology</i> , 2011, 1, 416-419.	0.3	23
34	Accurate measurement of uranium isotope ratios in soil samples using thermal ionization mass spectrometry equipped with a warp energy filter. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 919-926.	3.3	24
35	Detection of ^{236}U and variation of uranium isotope composition in the soil samples affected by the JCO criticality accident. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2002, 78, 196-200.	3.8	9
36	Precise measurement of zirconium isotopes by thermal ionization mass spectrometry. <i>Chemical Geology</i> , 1997, 141, 117-126.	3.3	32