Sarata Kumar Sahoo

List of Publications by Year
in descending order

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36	616	567281 15	642732 23
papers	citations	h-index	g-index

36	36	36	601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strontium-90 activity concentration in soil samples from the exclusion zone of the Fukushima daiichi nuclear power plant. Scientific Reports, 2016, 6, 23925.	3.3	88
2	Activity concentrations of environmental samples collected in Fukushima Prefecture immediately after the Fukushima nuclear accident. Scientific Reports, 2013, 3, 2283.	3.3	49
3	Precise measurement of zirconium isotopes by thermal ionization mass spectrometry. Chemical Geology, 1997, 141, 117-126.	3.3	32
4	Distribution and retention of Cs radioisotopes in soil affected by Fukushima nuclear plant accident. Journal of Soils and Sediments, 2015, 15, 374-380.	3.0	31
5	Vertical migration of radio-caesium derived from the Fukushima Dai-ichi Nuclear Power Plant accident in undisturbed soils of grassland and forest. Journal of Geochemical Exploration, 2016, 169, 163-186.	3.2	31
6	Accurate measurement of uranium isotope ratios in soil samples using thermal ionization mass spectrometry equipped with a warp energy filter. International Journal of Environmental Analytical Chemistry, 2004, 84, 919-926.	3.3	24
7	Measurement of uranium distribution coefficient and 235U/238U ratio in soils affected by Fukushima dai-ichi nuclear power plant accident. Journal of Environmental Radioactivity, 2019, 198, 36-42.	1.7	24
8	Thorium, Uranium and Rare Earth Elements Concentration in Weathered Japanese Soil Samples. Progress in Nuclear Science and Technology, 2011, 1, 416-419.	0.3	23
9	A pilot study for dose evaluation in high-level natural radiation areas of Yangjiang, China. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 317-323.	1.5	21
10	Sorption and desorption studies of Cs and Sr in contaminated soil samples around Fukushima Daiichi Nuclear Power Plant. Journal of Soils and Sediments, 2020, 20, 392-403.	3.0	21
11	Landside tritium leakage over through years from Fukushima Dai-ichi nuclear plant and relationship between countermeasures and contaminated water. Scientific Reports, 2020, 10, 19925.	3.3	21
12	Natural radioactivity survey on soils originated from southern part of Thailand as potential sites for nuclear power plants from radiological viewpoint and risk assessment. Journal of Radioanalytical and Nuclear Chemistry, 2015, 305, 487-499.	1.5	20
13	Distribution of rare earth elements, thorium and uranium in Gulf of Thailandâ€™s sediments. Environmental Earth Sciences, 2015, 73, 3361-3374.	2.7	19
14	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. Molecules, 2020, 25, 5178.	3.8	19
15	Naturally occurring radionuclides and rare earth elements in weathered Japanese soil samples. Acta Geophysica, 2013, 61, 876-885.	2.0	18
16	Chemical Separation of Uranium and Precise Measurement of 234U/238U and 235U/238U Ratios in Soil Samples Using Multi Collector Inductively Coupled Plasma Mass Spectrometry. Molecules, 2020, 25, 2138.	3.8	15
17	Accurate and precise determination of 90Sr at femtogram level in IAEA proficiency test using Thermal Ionization Mass Spectrometry. Scientific Reports, 2019, 9, 16532.	3.3	14
18	Geochemical behavior of uranium and thorium in sand and sandy soil samples from a natural high background radiation area of the Odisha coast, India. Environmental Science and Pollution Research, 2020, 27, 31339-31349.	5.3	14

#	Article	IF	Citations
19	Geochemical characterization of monazite sands based on rare earth elements, thorium and uranium from a natural high background radiation area in Tamil Nadu, India. Journal of Environmental Radioactivity, 2021, 232, 106565.	1.7	14
20	Distribution of uranium and selected trace metals in Balkan human scalp hair using inductively coupled plasma mass spectrometry. International Journal of Mass Spectrometry, 2014, 373, 15-21.	1.5	13
21	Radiocesium and 40K distribution of river sediments and floodplain deposits in the Fukushima exclusion zone. Journal of Environmental Radioactivity, 2018, 195, 40-53.	1.7	12
22	Method for ⁹⁰Sr Analysis in Environmental Samples Using Thermal Ionization Mass Spectrometry with Daly Ion-Counting System. Analytical Chemistry, 2019, 91, 2964-2969.	6.5	12
23	Precise measurement of 234U/238U, 235U/238U and 236U/238U isotope ratios in Fukushima soils using thermal ionization mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 180, 106161.	2.9	11
24	Distribution of uranium in Japanese river waters determined with inductively coupled plasma mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1307-1314.	1.5	10
25	Detection of ²³⁶U and variation of uranium isotope composition in the soil samples affected by the JCO criticality accident. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2002, 78, 196-200.	3.8	9
26	Distribution patterns of gamma radiation dose rate in the high background radiation area of Odisha, India. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 1423-1434.	1.5	8
27	Sorption-desorption coefficients of uranium in contaminated soils collected around Fukushima Daiichi Nuclear Power Station. Journal of Environmental Radioactivity, 2021, 233, 106617.	1.7	8
28	Terrestrial radioisotopes as paleoenvironmental proxies in sedimentary formations. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 289-293.	1.5	7
29	Zirconium decontamination factor test on DGA and Sr resin for 90Sr analysis using inorganic mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1339-1344.	1.5	6
30	Precise measurement of uranium isotope ratios in Fukushima soils using multi-collector inductively coupled plasma mass spectrometry (MC-ICP-MS). International Journal of Mass Spectrometry, 2021, 467, 116623.	1.5	6
31	238Pu/(239+240)Pu activity ratio as an indicator of Pu originating from the FDNPP accident in the terrestrial environment of Fukushima Prefecture. Journal of Environmental Radioactivity, 2019, 196, 133-140.	1.7	4
32	Effect of operating variables on the separation of radiostrontium from aqueous matrices with ion-selective solid-phase extraction systems. Journal of Chromatography A, 2021, 1658, 462625.	3.7	4
33	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. Molecules, 2021, 26, 7510.	3.8	4
34	Precise Measurement of Tellurium Isotope Ratios in Terrestrial Standards Using a Multiple Collector Inductively Coupled Plasma Mass Spectrometry. Molecules, 2020, 25, 1956.	3.8	2
35	Analytical procedure using DGA-normal resin developed for separation of 90Sr from radiocaesium and other elements. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 1383-1389.	1.5	2
36	MEASUREMENT OF URANIUM IN URINE, HAIR AND NAILS IN SUBJECTS OF NISKA BANJA TOWN, A HIGH NATURAL BACKGROUND RADIATION AREA OF SERBIA. Radiation Protection Dosimetry, 2019, 184, 319-323.	0.8	0