

Shun'ichi Hisamatsu

List of Publications by Year in descending order

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54
papers

1,353
citations

331670

21
h-index

345221

36
g-index

55
all docs

55
docs citations

55
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluvial discharges of radiocaesium from watersheds contaminated by the Fukushima Dai-ichi Nuclear Power Plant accident, Japan. <i>Journal of Environmental Radioactivity</i> , 2013, 118, 96-104.	1.7	170
2	Transfer of ¹³⁷ Cs and stable Cs from paddy soil to polished rice in Aomori, Japan. <i>Journal of Environmental Radioactivity</i> , 2002, 59, 351-363.	1.7	136
3	Concentration and specific activity of fallout ¹³⁷ Cs in extracted and particle-size fractions of cultivated soils. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 875-881.	1.7	129
4	Accumulation of uranium derived from long-term fertilizer applications in a cultivated Andisol. <i>Science of the Total Environment</i> , 2006, 367, 924-931.	8.0	66
5	Uptake and distribution of ⁹⁰ Sr and stable Sr in rice plants. <i>Journal of Environmental Radioactivity</i> , 2005, 81, 221-231.	1.7	60
6	Time-dependent changes of phytoavailability of Cs added to allophanic Andosols in laboratory cultivations and extraction tests. <i>Journal of Environmental Radioactivity</i> , 2013, 122, 29-36.	1.7	56
7	Tritium concentrations in the atmospheric environment at Rokkasho, Japan before the final testing of the spent nuclear fuel reprocessing plant. <i>Journal of Environmental Radioactivity</i> , 2011, 102, 837-842.	1.7	49
8	Effects of radiocesium inventory on ¹³⁷ Cs concentrations in river waters of Fukushima, Japan, under base-flow conditions. <i>Journal of Environmental Radioactivity</i> , 2015, 144, 86-95.	1.7	49
9	AtKUP/HAK/KT9, a K ⁺ Transporter from <i>Arabidopsis thaliana</i> , Mediates Cs ⁺ Uptake in <i>Escherichia coli</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 203-205.	1.3	42
10	Relationship between the radiocesium interception potential and the transfer of radiocesium from soil to soybean cultivated in 2011 in Fukushima Prefecture, Japan. <i>Journal of Environmental Radioactivity</i> , 2014, 137, 119-124.	1.7	35
11	Deposition of ¹³⁷ Cs in Rokkasho, Japan and its relation to Asian dust. <i>Journal of Environmental Radioactivity</i> , 2007, 95, 1-9.	1.7	34
12	Total deposition velocities and scavenging ratios of ⁷ Be and ²¹⁰ Pb at Rokkasho, Japan. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 277, 347-355.	1.5	33
13	Geographical distribution of cerebrovascular disease mortality and food intakes in Japan. <i>Social Science and Medicine</i> , 1987, 24, 401-407.	3.8	28
14	Development of Rapid Plutonium Analysis for Environmental Samples by Isotope Dilution/Inductively Coupled Plasma Mass Spectrometry with On-line Column. <i>Analytical Sciences</i> , 2005, 21, 205-208.	1.6	28
15	Concentration of ³ H in plants around Fukushima Dai-ichi Nuclear Power Station. <i>Scientific Reports</i> , 2012, 2, 947.	3.3	28
16	Effect of Long-term Fertilizer Application on the Concentration and Solubility of Major and Trace Elements in a Cultivated Andisol. <i>Soil Science and Plant Nutrition</i> , 2005, 51, 251-260.	1.9	26
17	Nuclear accident-derived ³ H in river water of Fukushima Prefecture during 2011–2014. <i>Journal of Environmental Radioactivity</i> , 2015, 146, 102-109.	1.7	26
18	Plant induced changes in concentrations of caesium, strontium and uranium in soil solution with reference to major ions and dissolved organic matter. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 900-911.	1.7	25

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19	Regional and global contributions of anthropogenic iodine-129 in monthly deposition samples collected in North East Japan between 2006 and 2015. <i>Journal of Environmental Radioactivity</i> , 2017, 171, 65-73.	1.7	24
20	Determination of Iodide, Iodate and Total Iodine in Natural Water Samples by HPLC with Amperometric and Spectrophotometric Detection, and Off-line UV Irradiation. <i>Analytical Sciences</i> , 2016, 32, 839-845.	1.6	23
21	Rapid Method for the Analysis of Plutonium Isotopes in a Soil Sample within 60 min. <i>Analytical Sciences</i> , 2006, 22, 309-311.	1.6	22
22	Effect of the counter anion of cesium on foliar uptake and translocation. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 54-57.	1.7	21
23	Soil-soil solution distribution coefficient of soil organic matter is a key factor for that of radioiodide in surface and subsurface soils. <i>Journal of Environmental Radioactivity</i> , 2017, 169-170, 131-136.	1.7	20
24	Temporal variation of post-accident atmospheric ¹³⁷ Cs in an evacuated area of Fukushima Prefecture: Size-dependent behaviors of ¹³⁷ Cs-bearing particles. <i>Journal of Environmental Radioactivity</i> , 2016, 165, 131-139.	1.7	19
25	Inventories of ²³⁹⁺²⁴⁰ Pu, ¹³⁷ Cs, and excess ²¹⁰ Pb in sediments from freshwater and brackish lakes in Rokkasho, Japan, adjacent to a spent nuclear fuel reprocessing plant. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 835-840.	1.7	17
26	Iodine-129 in water samples collected adjacent to a spent nuclear fuel reprocessing plant in Rokkasho, Japan. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1211-1215.	1.5	17
27	Characteristics of hydrogen and oxygen stable isotope ratios in precipitation collected in a snowfall region, Aomori Prefecture, Japan. <i>Geochemical Journal</i> , 2014, 48, 9-18.	1.0	16
28	Preface to first special issue on Fukushima. <i>Journal of Environmental Radioactivity</i> , 2012, 111, 1.	1.7	12
29	Concentration of ¹²⁹ I in aquatic biota collected from a lake adjacent to the spent nuclear fuel reprocessing plant in Rokkasho, Japan. <i>Radiation Protection Dosimetry</i> , 2015, 167, 176-180.	0.8	12
30	Spatial and temporal changes of ¹³⁷ Cs concentrations derived from nuclear power plant accident in river waters in eastern Fukushima, Japan during 2012-2014. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 2167-2172.	1.5	12
31	Concentrations of iodine-129 in livestock, agricultural, and fishery products around spent nuclear fuel reprocessing plant in Rokkasho, Japan, during and after its test operation. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 61.	2.7	11
32	Radiocarbon Concentrations in Environmental Samples Collected Near the Spent Nuclear Fuel Reprocessing Plant at Rokkasho, Aomori, Japan, During Test Operation Using Spent Nuclear Fuel. <i>Health Physics</i> , 2013, 105, 236-244.	0.5	10
33	Tritium concentrations in some European foods. <i>Journal of Environmental Radioactivity</i> , 1989, 10, 251-255.	1.7	9
34	Interlaboratory comparison of low-level organic tritium measurement in environmental samples.. <i>Radioisotopes</i> , 1990, 39, 457-463.	0.2	9
35	New spectrometric technique for the determination of the isotopic ratio of. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1984, 226, 482-486.	1.6	8
36	Concentration of Fallout Plutonium in Tissues of Japanese Who Died during 1980-1984. <i>Radiation Research</i> , 1987, 109, 245.	1.5	7

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37	Effects of organic amendments on the natural attenuation of radiocesium transferability in grassland soils with high potassium fertility. <i>Journal of Environmental Radioactivity</i> , 2020, 217, 106207.	1.7	7
38	Placental Transfer and Distribution of ²⁴¹ Am in the Rat. <i>Radiation Research</i> , 1983, 94, 81.	1.5	6
39	Air mass origins by back trajectory analysis for evaluating atmospheric ²¹⁰ Pb concentrations at Rokkasho, Aomori, Japan. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 279, 493-498.	1.5	6
40	²⁴⁰ Pu/ ²³⁹ Pu and ²⁴² Pu/ ²³⁹ Pu atom ratios of Japanese monthly atmospheric deposition samples during 1963-1966. <i>Scientific Reports</i> , 2019, 9, 8105.	3.3	6
41	Daily Radionuclide Ingestion and Internal Radiation Doses in Aomori Prefecture, Japan. <i>Health Physics</i> , 2013, 105, 340-350.	0.5	4
42	Tritium activity concentrations and residence times of groundwater collected in Rokkasho, Japan. <i>Radiation Protection Dosimetry</i> , 2015, 167, 201-205.	0.8	4
43	Atmospheric deposition of radionuclides (⁷ Be, ²¹⁰ Pb, ¹³⁴ Cs, ¹³⁷ Cs and ⁴⁰ K) during 2000-2012 at Rokkasho, Japan, and impact of the Fukushima Dai-ichi Nuclear Power Plant accident. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1217-1222.	1.5	4
44	Short-term metabolism of biologically incorporated ¹²⁵ I ingested by olive flounder (<i>Paralichthys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.7	4
45	Long-term variations in water quality of lakes in Rokkasho, Aomori, Japan, from 2004 to 2015. <i>Japanese Journal of Limnology</i> , 2016, 78, 75-85.	0.1	4
46	VALIDATION OF ICRP METABOLIC MODELS FOR THE TRANSURANICS IN A JAPANESE POPULATION. <i>Health Physics</i> , 2003, 85, 701-708.	0.5	3
47	A SIMULATION STUDY OF DEPOSITION PARAMETERS FOR ¹²⁹ I DISCHARGED FROM THE ROKKASHO REPROCESSING PLANT. <i>Radiation Protection Dosimetry</i> , 2019, 184, 376-379.	0.8	3
48	Estimation of dietary ¹⁴ C dose coefficient using ¹³ C-labelled compound administration analysis. <i>Scientific Reports</i> , 2020, 10, 8156.	3.3	3
49	²¹⁰ Pb Ingestion in Akita City, Japan.. <i>Radioisotopes</i> , 1992, 41, 574-576.	0.2	3
50	Effect of Gaviged Chemical Form of ²⁴¹ Am on Its Retention in Mice. <i>Radiation Research</i> , 1987, 111, 334.	1.5	2
51	Free water ³ H concentrations in serum samples collected during 1969-1992 in Akita, Japan. <i>Health Physics</i> , 2003, 85, 204-209.	0.5	2
52	Biokinetics of ¹³ C in the human body after oral administration of ¹³ C-labeled glucose as an index for the biokinetics of ¹⁴ C. <i>Journal of Radiological Protection</i> , 2016, 36, 532-546.	1.1	2
53	Vertical distribution of radiation dose rates in the water of a brackish lake in Aomori Prefecture, Japan. <i>Radiation Protection Dosimetry</i> , 2015, 167, 235-238.	0.8	0
54	Effective Dose Due to Environmental .GAMMA.-Ray for the People of Akita Prefecture.. <i>Radioisotopes</i> , 2001, 50, 435-441.	0.2	0