Naofumi Akata

List of Publications by Year
in descending order

61	837	516710 16	552781 26
papers	citations	h-index	g-index

61	61	61	571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fluvial discharges of radiocaesium from watersheds contaminated by the Fukushima Dai-ichi Nuclear Power Plant accident, Japan. Journal of Environmental Radioactivity, 2013, 118, 96-104.	1.7	170
2	Tritium concentrations in the atmospheric environment at Rokkasho, Japan before the final testing of the spent nuclear fuel reprocessing plant. Journal of Environmental Radioactivity, 2011, 102, 837-842.	1.7	49
3	Effects of radiocesium inventory on 137Cs concentrations in river waters of Fukushima, Japan, under base-flow conditions. Journal of Environmental Radioactivity, 2015, 144, 86-95.	1.7	49
4	Estimation of External Dose by Car-Borne Survey in Kerala, India. PLoS ONE, 2015, 10, e0124433.	2.5	42
5	Deposition of 137Cs in Rokkasho, Japan and its relation to Asian dust. Journal of Environmental Radioactivity, 2007, 95, 1-9.	1.7	34
6	Total deposition velocities and scavenging ratios of 7Be and 210Pb at Rokkasho, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2008, 277, 347-355.	1.5	33
7	A unique high natural background radiation area â€“ Dose assessment and perspectives. Science of the Total Environment, 2021, 750, 142346.	8.0	30
8	Nuclear accident-derived 3H in river water of Fukushima Prefecture during 2011â€“2014. Journal of Environmental Radioactivity, 2015, 146, 102-109.	1.7	26
9	Plant induced changes in concentrations of caesium, strontium and uranium in soil solution with reference to major ions and dissolved organic matter. Journal of Environmental Radioactivity, 2008, 99, 900-911.	1.7	25
10	Regional and global contributions of anthropogenic iodine-129 in monthly deposition samples collected in North East Japan between 2006 and 2015. Journal of Environmental Radioactivity, 2017, 171, 65-73.	1.7	24
11	Comprehensive exposure assessments from the viewpoint of health in a unique high natural background radiation area, Mamuju, Indonesia. Scientific Reports, 2021, 11, 14578.	3.3	22
12	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
13	Temporal variation of post-accident atmospheric 137 Cs in an evacuated area of Fukushima Prefecture: Size-dependent behaviors of 137 Cs-bearing particles. Journal of Environmental Radioactivity, 2016, 165, 131-139.	1.7	19
14	Natural Radioactivity of Laterite and Volcanic Rock Sample for Radioactive Mineral Exploration in Mamuju, Indonesia. Geosciences (Switzerland), 2020, 10, 376.	2.2	18
15	Iodine-129 in water samples collected adjacent to a spent nuclear fuel reprocessing plant in Rokkasho, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1211-1215.	1.5	17
16	Characteristics of hydrogen and oxygen stable isotope ratios in precipitation collected in a snowfall region, Aomori Prefecture, Japan. Geochemical Journal, 2014, 48, 9-18.	1.0	16
17	Weak size dependence of resuspended radiocesium adsorbed on soil particles collected after the Fukushima nuclear accident. Journal of Environmental Radioactivity, 2017, 172, 122-129.	1.7	15
18	Assessment of Radiation Dose from the Consumption of Bottled Drinking Water in Japan. International Journal of Environmental Research and Public Health, 2020, 17, 4992.	2.6	14

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19	Long-Term Monitoring of Tritium Concentration in Environmental Water Samples Collected at Tono Area, Japan. Plasma and Fusion Research, 2016, 11, 1305032-1305032.	0.7	12
20	Spatial and temporal changes of 137Cs concentrations derived from nuclear power plant accident in river waters in eastern Fukushima, Japan during 2012â€“2014. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 2167-2172.	1.5	12
21	Determination of tritium activity and chemical forms in the exhaust gas from a large fusion test device. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 877-885.	1.5	12
22	Discriminative Measurement of Absorbed Dose Rates in Air from Natural and Artificial Radionuclides in Namie Town, Fukushima Prefecture. International Journal of Environmental Research and Public Health, 2021, 18, 978.	2.6	11
23	Radiocarbon Concentrations in Environmental Samples Collected Near the Spent Nuclear Fuel Reprocessing Plant at Rokkasho, Aomori, Japan, During Test Operation Using Spent Nuclear Fuel. Health Physics, 2013, 105, 236-244.	0.5	10
24	NATURAL RADIATION EXPOSURE TO THE PUBLIC IN MINING AND ORE BEARING REGIONS OF CAMEROON. Radiation Protection Dosimetry, 2019, 184, 391-396.	0.8	10
25	Long-Term Measurements of Radon and Thoron Exhalation Rates from the Ground Using the Vertical Distributions of Their Activity Concentrations. International Journal of Environmental Research and Public Health, 2021, 18, 1489.	2.6	10
26	A unique high natural background radiation area in Indonesia: a brief review from the viewpoint of dose assessments. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	9
27	Ten-year observation of sulfur isotopic composition of sulfate in aerosols collected at Tsuruoka, a coastal area on the Sea of Japan in northern Japan. Geochemical Journal, 2010, 44, 571-577.	1.0	8
28	Isotope and chemical composition of monthly precipitation collected at Sapporo, northern part of Japan during 2015-2019. Fusion Engineering and Design, 2021, 168, 112434.	1.9	8
29	Heavy Metal Assessments of Soil Samples from a High Natural Background Radiation Area, Indonesia. Toxics, 2022, 10, 39.	3.7	8
30	Measurement system for alpha and beta emitters with continuous air sampling under different exposure situations. Applied Radiation and Isotopes, 2017, 126, 79-82.	1.5	7
31	Isotope Composition and Chemical Species of Monthly Precipitation Collected at the Site of a Fusion Test Facility in Japan. International Journal of Environmental Research and Public Health, 2019, 16, 3883.	2.6	6
32	ENVIRONMENTAL TRITIUM AROUND A FUSION TEST FACILITY. Radiation Protection Dosimetry, 2019, 184, 324-327.	0.8	6
33	Sulfur Isotope Ratios of Non-Sea Salt Sulfate in Wet Deposits in Japan.. Journal of the Japanese Society of Snow and Ice, 2002, 64, 173-184.	0.1	6
34	222Rn and 226Ra Concentrations in Spring Water and Their Dose Assessment Due to Ingestion Intake. International Journal of Environmental Research and Public Health, 2022, 19, 1758.	2.6	6
35	Comparative Study of Performance using Five Different Gamma-ray Spectrometers for Thyroid Monitoring under Nuclear Emergency Situations. Health Physics, 2019, 116, 81-87.	0.5	5
36	Sulfur Isotope Ratios of Coals used in East Asia.. Journal of the Japanese Society of Snow and Ice, 2002, 64, 49-58.	0.1	5

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37	Concentration of Metallothionein in Mice Livers after a Small Dose of Irradiation.. Journal of Radiation Research, 1998, 39, 239-242.	1.6	4
38	Daily Radionuclide Ingestion and Internal Radiation Doses in Aomori Prefecture, Japan. Health Physics, 2013, 105, 340-350.	0.5	4
39	Tritium activity concentrations and residence times of groundwater collected in Rokkasho, Japan. Radiation Protection Dosimetry, 2015, 167, 201-205.	0.8	4
40	Atmospheric deposition of radionuclides (7Be, 210Pb, 134Cs, 137Cs and 40K) during 2000â€“2012 at Rokkasho, Japan, and impact of the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1217-1222.	1.5	4
41	Absorbed Dose Rate in Air at the NIFS Site before the Deuterium Plasma Experiment in LHD. Plasma and Fusion Research, 2017, 12, 1305029-1305029.	0.7	4
42	Determination of non-exchangeable organically bound tritium concentration in reference material of pine needles (NIST 1575a). Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 1359-1363.	1.5	4
43	Radiation control in LHD and radiation shielding capability of the torus hall during first campaign of deuterium experiment. Fusion Engineering and Design, 2019, 143, 180-187.	1.9	4
44	A New Pretreatment Technique for Environmental Tritium Analysis with Microwave Heating Method. Plasma and Fusion Research, 2016, 11, 2405017-2405017.	0.7	3
45	Concentrations of Chemical Components, Including ²¹⁰Pb, Present in Aerosols Collected at Naha, Okinawa Prefecture, a Sub-tropical Region of Japan. Japanese Journal of Health Physics, 2018, 53, 17-22.	0.1	3
46	Monitoring of Tritium Concentration by Simplified Active Sampler in a Fusion Test Facility. Plasma and Fusion Research, 2018, 13, 3405038-3405038.	0.7	3
47	A SIMULATION STUDY OF DEPOSITION PARAMETERS FOR 129I DISCHARGED FROM THE ROKKASHO REPROCESSING PLANT. Radiation Protection Dosimetry, 2019, 184, 376-379.	0.8	3
48	THE IMPACT ON THE EYE LENS OF RADIATION EMITTED BY NATURAL RADIONUCLIDES (LEAD-210) PRESENT IN RADIATION PROTECTION GLASSES. Radiation Protection Dosimetry, 2020, 188, 13-21.	0.8	3
49	Combination of Sulfur Isotope Ratio of Non-sea Salt Sulfate and Lead-210 Concentration in Aerosols as an Index of Long-range Transported Aerosols. Radioisotopes, 2012, 61, 65-70.	0.2	3
50	A Preliminary Study of Radon Equilibrium Factor at a Tourist Cave in Okinawa, Japan. Atmosphere, 2021, 12, 1648.	2.3	3
51	Monthly Precipitation Collected at Hirosaki, Japan: Its Tritium Concentration and Chemical and Stable Isotope Compositions. Atmosphere, 2022, 13, 848.	2.3	3
52	CAESIUM RETENTION CHARACTERISTICS OF KNIFCâ€“PAN RESIN FROM RIVER WATER. Radiation Protection Dosimetry, 2020, 190, 320-323.	0.8	2
53	Temporal and Spatial Variation of Radon Concentrations in Environmental Water from Okinawa Island, Southwestern Part of Japan. International Journal of Environmental Research and Public Health, 2021, 18, 998.	2.6	2
54	Relationship between Tritium Concentration, Hydrogen and Oxygen of Stable Isotope Ratios, and Major Ion Components for Monthly Precipitation in Southwestern Part of Japan. Japanese Journal of Health Physics, 2021, 56, 265-279.	0.1	2

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55	Characterization of atmospheric 210Pb concentration and its relation to major ion species at Tsukuba, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 755-760.	1.5	1
56	Expiratory Testing as a Simple and Effective Bioassay Method for Screening Workers for Tritium Exposure in Fusion Test Facilities. Plasma and Fusion Research, 2018, 13, 1305076-1305076.	0.7	1
57	Measurement of Absorbed Dose Rate in Air at NIFS Site after the First Deuterium Plasma Experiment in LHD. Plasma and Fusion Research, 2019, 14, 1305130-1305130.	0.7	1
58	Preliminary Investigation of Pretreatment Methods for Liquid Scintillation Measurements of Environmental Water Samples Using Ion Exchange Resins. Plasma and Fusion Research, 2020, 15, 2405027-2405027.	0.7	1
59	Simple Pretreatment Method for Tritium Measurement in Environmental Water Samples using a Liquid Scintillation Counter. Plasma and Fusion Research, 2021, 16, 2405035-2405035.	0.7	0
60	Monitoring of Environmental Radioactivity in Pine Needle and Soil at the Site of National Institute for Fusion Science. Japanese Journal of Health Physics, 2021, 56, 66-74.	0.1	0
61	Support activities in Namie Town, Fukushima undertaken by Hirosaki University. Annals of the ICRP, 2021, 50, 102-108.	3.8	0