Masahiro Hosoda

List of Publications by Year
in descending order

59 papers	1,016 citations	430874 18 h-index	477307 29 g-index
59 all docs	59 docs citations	59 times ranked	663 citing authors

#	Article	IF	Citations
1	Thyroid doses for evacuees from the Fukushima nuclear accident. Scientific Reports, 2012, 2, 507.	3.3	144
2	Effect of Soil Moisture Content on Radon and Thoron Exhalation. Journal of Nuclear Science and Technology, 2007, 44, 664-672.	1.3	75
3	The time variation of dose rate artificially increased by the Fukushima nuclear crisis. Scientific Reports, 2011, 1, 87.	3.3	66
4	Simultaneous Measurements of Radon and Thoron Exhalation Rates and Comparison with Values Calculated by UNSCEAR Equation. Journal of Radiation Research, 2009, 50, 333-343.	1.6	53
5	Estimation of internal exposure of the thyroid to 131I on the basis of 134Cs accumulated in the body among evacuees of the Fukushima Daiichi Nuclear Power Station accident. Environment International, 2013, 61, 73-76.	10.0	41
6	Radiation dose due to radon and thoron progeny inhalation in high-level natural radiation areas of Kerala, India. Journal of Radiological Protection, 2017, 37, 111-126.	1.1	33
7	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
8	Japanese population dose from natural radiation. Journal of Radiological Protection, 2020, 40, R99-R140.	1.1	31
9	A unique high natural background radiation area â€“ Dose assessment and perspectives. Science of the Total Environment, 2021, 750, 142346.	8.0	30
10	Characteristic of thoron (220 Rn) in environment. Applied Radiation and Isotopes, 2017, 120, 7-10.	1.5	29
11	Simultaneous measurements of indoor radon and thoron and inhalation dose assessment in Douala City, Cameroon. Isotopes in Environmental and Health Studies, 2019, 55, 499-510.	1.0	26
12	Environmental Radiation Monitoring and External Dose Estimation in Aomori Prefecture after the Fukushima Daiichi Nuclear Power Plant Accident. Japanese Journal of Health Physics, 2016, 51, 41-50.	0.1	25
13	Development and application of a continuous measurement system for radon exhalation rate. Review of Scientific Instruments, 2011, 82, 015101.	1.3	24
14	The Importance of Direct Progeny Measurements for Correct Estimation of Effective Dose Due to Radon and Thoron. Frontiers in Public Health, 2020, 8, 17.	2.7	24
15	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
16	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
17	In situ Measurements of Radon and Thoron Exhalation Rates and Their Geological Interpretation. Japanese Journal of Health Physics, 2004, 39, 206-214.	0.1	19
18	Exposures from radon, thoron, and thoron progeny in high background radiation area in Takandeang, Mamuju, Indonesia. Nukleonika, 2020, 65, 89-94.	0.8	19

#	Article	IF	Citations
19	Naturally occurring radionuclides and rare earth elements in weathered Japanese soil samples. Acta Geophysica, 2013, 61, 876-885.	2.0	18
20	Reduction factors for wooden houses due to external Î³-radiation based on in situ measurements after the Fukushima nuclear accident. Scientific Reports, 2014, 4, 7541.	3.3	18
21	Natural Radioactivity of Laterite and Volcanic Rock Sample for Radioactive Mineral Exploration in Mamuju, Indonesia. Geosciences (Switzerland), 2020, 10, 376.	2.2	18
22	Short Telomere Length as a Biomarker Risk of Lung Cancer Development Induced by High Radon Levels: A Pilot Study. International Journal of Environmental Research and Public Health, 2018, 15, 2152.	2.6	17
23	Activity Concentration of Natural Radionuclides and Radon and Thoron Exhalation Rates in Rocks Used as Decorative Wall Coverings in Japan. Health Physics, 2013, 104, 41-50.	0.5	15
24	Importance of Discriminative Measurement for Radon Isotopes and Its Utilization in the Environment and Lessons Learned from Using the RADUET Monitor. International Journal of Environmental Research and Public Health, 2020, 17, 4141.	2.6	15
25	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
26	Numerical modeling of the sources and behaviors of 222Rn, 220Rn and their progenies in the indoor environmentâ€"A review. Journal of Environmental Radioactivity, 2018, 189, 40-47.	1.7	13
27	Radon Activity Concentrations in Natural Hot Spring Water: Dose Assessment and Health Perspective. International Journal of Environmental Research and Public Health, 2021, 18, 920.	2.6	12
28	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
29	NATURAL RADIATION EXPOSURE TO THE PUBLIC IN MINING AND ORE BEARING REGIONS OF CAMEROON. Radiation Protection Dosimetry, 2019, 184, 391-396.	0.8	10
30	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
31	Radiation Dose Reduction Efficiency of Buildings after the Accident at the Fukushima Daiichi Nuclear Power Station. PLoS ONE, 2014, 9, e101650.	2.5	9
32	Remediation of Radiocesium-137 Affected Soil Using Napiergrass Under Different Planting Density and Cutting Frequency Regimes. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	9
33	Impact of Wind Speed on Response of Diffusion-Type Radon-Thoron Detectors to Thoron. International Journal of Environmental Research and Public Health, 2020, 17, 3178.	2.6	9
34	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
35	Heavy Metal Assessments of Soil Samples from a High Natural Background Radiation Area, Indonesia. Toxics, 2022, 10, 39.	3.7	8
36	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

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37	210Po as a source of natural radioactivity in cigarettes distributed in the Philippines. Perspectives in Science, 2019, 12, 100400.	0.6	7
38	Occupational Natural Radiation Exposure at the Uranium Deposit of Kitongo, Cameroon. Radioisotopes, 2019, 68, 621-630.	0.2	7
39	CAR-BORNE SURVEY OF NATURAL BACKGROUND GAMMA RADIATION IN WESTERN, EASTERN AND SOUTHERN THAILAND. Radiation Protection Dosimetry, 2020, 188, 174-180.	0.8	6
40	Characterization of Commercially Available Active-Type Radonâ€"Thoron Monitors at Different Sampling Flow Rates. Atmosphere, 2021, 12, 971.	2.3	6
41	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
42	Estimation of Effect of Radiation Dose Reduction for Internal Exposure by Food Regulations under the Current Criteria for Radionuclides in Foodstuff in Japan Using Monitoring Results. Foods, 2021, 10, 691.	4.3	5
43	Occupational Radiation Dose, Especially for Eye Lens: Hp(3), in Medical Staff Members Involved in Computed Tomography Examinations. Applied Sciences (Switzerland), 2021, 11, 4448.	2.5	5
44	é–¢æ±åœ°æ–¹ã®åœ°è¡¨ã‚¬ãƒ³ãƒžç·šå¼·åº¦. Radioisotopes, 2007, 56, 315-320.	0.2	5
45	Detection of biological responses to low-dose radiation in humans. Free Radical Biology and Medicine, 2022, 184, 196-207.	2.9	5
46	An Improved Passive CR-39-Based Direct 222Rn/220Rn Progeny Detector. International Journal of Environmental Research and Public Health, 2020, 17, 8569.	2.6	4
47	Source of Atmospheric Radon in the Gyokusendo, a Limestone Cave in Okinawa, Japan. Japanese Journal of Health Physics, 2016, 51, 218-226.	0.1	4
48	A Preliminary Study of Radon Equilibrium Factor at a Tourist Cave in Okinawa, Japan. Atmosphere, 2021, 12, 1648.	2.3	3
49	Monthly Precipitation Collected at Hirosaki, Japan: Its Tritium Concentration and Chemical and Stable Isotope Compositions. Atmosphere, 2022, 13, 848.	2.3	3
50	Understanding of Basic Knowledge on Radiation among General Public. Japanese Journal of Health Physics, 2016, 51, 92-97.	0.1	2
51	A portable radioactive plume monitor using a silicon photodiode. Perspectives in Science, 2019, 12, 100414.	0.6	2
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	Parameter sensitivity analysis of the theoretical model of a CR-39-based direct 222Rn/220Rn progeny monitor. Nukleonika, 2020, 65, 95-98.	0.8	2

#	Article	IF	Citations
55	Evaluation of a Surface Collection Efficiency and a Stability of Flow Rate for the Commercially Available Filters Used for Ambient Radioactive Aerosols. Japanese Journal of Health Physics, 2019, 54, 5-12.	0.1	2
56	Passive-Type Radon Monitor Constructed Using a Small Container for Personal Dosimetry. International Journal of Environmental Research and Public Health, 2020, 17, 5660.	2.6	1
57	Report on a Technical Meeting on the Implications of the New Dose Conversion Factors for Radon. Japanese Journal of Health Physics, 2019, 54, 226-230.	0.1	1
58	Health Effects of Natural Environmental Radiation during Burning Season in Chiang Mai, Thailand. Life, 2022, 12, 853.	2.4	1
59	Support activities in Namie Town, Fukushima undertaken by Hirosaki University. Annals of the ICRP, 2021, 50, 102-108.	3.8	0