Christian Bernhardsson

List of Publications by Year
in descending order

28 papers	316 citations	840776 11 h-index	888059 17 g-index
28 all docs	28 docs citations	28 times ranked	207 citing authors

#	Article	IF	Citations
1	Household salt as a retrospective dosemeter using optically stimulated luminescence. Radiation and Environmental Biophysics, 2009, 48, 21-28.	1.4	64
2	Household salt for retrospective dose assessments using OSL: signal integrity and its dependence on containment, sample collection, and signal readout. Radiation and Environmental Biophysics, 2014, 53, 559-569.	1.4	28
3	Measurements of long-term external and internal radiation exposure of inhabitants of some villages of the Bryansk region of Russia after the Chernobyl accident. Science of the Total Environment, 2011, 409, 4811-4817.	8.0	27
4	PATIENT DOSES IN COMPUTED TOMOGRAPHY EXAMINATIONS IN TWO REGIONS OF THE RUSSIAN FEDERATION. Radiation Protection Dosimetry, 2016, 169, 240-244.	0.8	18
5	A backpack Î³-spectrometer for measurements of ambient dose equivalent rate, <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mrow><mml:mover accent="true"><mml:mi>H</mml:mi><mml:mo>Ë™</mml:mo></mml:mover></mml:mrow><mml:mo>âˆ—</mml:mo><mml:mrow><m from 137Cs and from naturally occurring radiation: The importance of operator related attenuation. Radiation Measurements, 2017, 107, 14-22.	1.4	16
6	Optimizing a Readout Protocol for Low Dose Retrospective OSL-Dosimetry Using Household Salt. Health Physics, 2012, 102, 631-636.	0.5	14
7	Spatial variability of the dose rate from 137Cs fallout in settlements inÂRussia and Belarus more than two decades after the Chernobyl accident. Journal of Environmental Radioactivity, 2015, 149, 144-149.	1.7	13
8	Calibration and testing of a portable NaI(Tl) gamma-ray spectrometer-dosimeter for evaluation of terrestrial radionuclides and 137Cs contributions to ambient dose equivalent rate outdoors. RadiacionnaÃ¢ Gigiena, 2017, 10, 18-29.	0.7	13
9	PROPOSALS FOR THE ESTABLISHMENT OF NATIONAL DIAGNOSTIC REFERENCE LEVELS FOR RADIOGRAPHY FOR ADULT PATIENTS BASED ON REGIONAL DOSE SURVEYS IN RUSSIAN FEDERATION. Radiation Protection Dosimetry, 2017, 173, 223-232.	0.8	12
10	Optically stimulated luminescence (OSL) dosimetry in irradiated alumina substrates from mobile phone resistors. Radiation and Environmental Biophysics, 2018, 57, 69-75.	1.4	12
11	Calculation of the effective external dose rate to a person staying in the resettlement zone of the Vetka district of the Gomel region of Belarus based on in situ and ex situ assessments in 2016â€"2018. Journal of Environmental Radioactivity, 2020, 214-215, 106168.	1.7	12
12	Comparative Measurements of the External Radiation Exposure in a 137Cs Contaminated Village in Belarus Based on Optically Stimulated Luminescence in NaCl and Thermoluminescence in LiF. Health Physics, 2012, 103, 740-749.	0.5	10
13	Physical and dosimetric properties of NaCl pellets made in-house for the use in prospective optically stimulated luminescence dosimetry applications. Radiation Measurements, 2018, 119, 52-57.	1.4	9
14	The 2019â€"2020 EURADOS WG10 and RENEB Field Test of Retrospective Dosimetry Methods in a Small-Scale Incident Involving Ionizing Radiation. Radiation Research, 2020, 195, 253-264.	1.5	9
15	Using an optimised OSL single-aliquot regenerative-dose protocol for low-dose retrospective dosimetry on household salt. Radiation Protection Dosimetry, 2011, 144, 584-587.	0.8	8
16	OSL PROPERTIES IN VARIOUS FORMS OF KCl AND NaCl SAMPLES AFTER EXPOSURE TO IONIZING RADIATION. Radiation Protection Dosimetry, 2019, 184, 90-97.	0.8	7
17	In situ determination of 137Cs inventory in soil using a field-portable scintillation gamma spectrometer-dosimeter. Journal of Environmental Radioactivity, 2021, 231, 106562.	1.7	7
18	MANAGEMENT OF PATIENT DOSES FROM DIGITAL X-RAY CHEST SCREENING EXAMINATIONS. Radiation Protection Dosimetry, 2016, 169, 232-239.	0.8	5

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19	OSL in NaCl vs. TL in LiF for absorbed dose measurements and radiation quality assessment in the photon energy range 20â€¯keV to 1.3â€¯MeV. Radiation Measurements, 2018, 112, 11-15.	1.4	5
20	NaCl pellets for prospective dosimetry using optically stimulated luminescence: Signal integrity and long-term versus short-term exposure. Radiation and Environmental Biophysics, 2020, 59, 693-702.	1.4	5
21	INVESTIGATION OF PARTIAL VOLUME EFFECT IN DIFFERENT PET/CT SYSTEMS: A COMPARISON OF RESULTS USING THE MADEIRA PHANTOM AND THE NEMA NU-2 2001 PHANTOM. Radiation Protection Dosimetry, 2016, 169, 365-370.	0.8	4
22	COMPARISON OF ORGAN ABSORBED DOSES IN WHOLE-BODY COMPUTED TOMOGRAPHY SCANS OF PAEDIATRIC AND ADULT PATIENT MODELS ESTIMATED BY DIFFERENT METHODS. Radiation Protection Dosimetry, 2021, 195, 246-256.	0.8	4
23	Experimentally determined and Monte Carloâ€“calculated energy dependence of NaCl pellets read by optically stimulated luminescence for photon beams in the energy range 30 keV to 1.25 MeV. Journal of Radiological Protection, 2020, 40, 1321-1335.	1.1	4
24	RETROSPECTIVE DOSIMETRY USING SALTED SNACKS AND NUTS: A FEASIBILITY STUDY. Radiation Protection Dosimetry, 2016, 174, ncw044.	0.8	3
25	ESTIMATION OF THE EFFECTIVE DOSES FROM TYPICAL FLUOROSCOPIC EXAMINATIONS WITH BARIUM CONTRAST. Radiation Protection Dosimetry, 2021, 195, 264-272.	0.8	3
26	Assessment of patient doses and corresponding radiation risks from PET/CT examinations in the Russian Federation. AIP Conference Proceedings, 2019, , .	0.4	2
27	Internal dose assessment of 148Gd using isotope ratios of gamma-emitting 146Gd or 153Gd in accidently released spallation target particles. Scientific Reports, 2020, 10, 21887.	3.3	2
28	ENVIRONMENTAL LEVELS OF RADIOCARBON IN LUND, SWEDEN, PRIOR TO THE START OF THE EUROPEAN SPALLATION SOURCE. Radiocarbon, 0, , 1-17.	1.8	0