

Christopher RÃ¸Ã¸f

List of Publications by Year in descending order

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35
papers

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citations

1040056

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996975

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docs citations

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times ranked

183
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Levels of ¹⁴ C in the Terrestrial Environment in the Vicinity of Two European Nuclear Power Plants. Radiocarbon, 2004, 46, 863-868. | 1.8 | 33 |
| 2 | Transfer of ¹³⁷ Cs from Chernobyl debris and nuclear weapons fallout to different Swedish population groups. Science of the Total Environment, 2006, 367, 324-340. | 8.0 | 23 |
| 3 | Modelling the external radiation exposure from the Chernobyl fallout using data from the Swedish municipality measurement system. Journal of Environmental Radioactivity, 2017, 178-179, 16-27. | 1.7 | 21 |
| 4 | A biokinetic study of ²⁰⁹ Po in man. Science of the Total Environment, 2012, 437, 384-389. | 8.0 | 19 |
| 5 | Tests of HPGe- and scintillation-based backpack ¹³⁷ Cs-radiation survey systems. Journal of Environmental Radioactivity, 2014, 135, 54-62. | 1.7 | 19 |
| 6 | Estimated lifetime effective dose to hunters and their families in the three most contaminated counties in Sweden after the Chernobyl nuclear power plant accident in 1986 – A pilot study. Journal of Environmental Radioactivity, 2017, 177, 241-249. | 1.7 | 14 |
| 7 | Spatial variability of the dose rate from ¹³⁷ Cs fallout in settlements in Russia and Belarus more than two decades after the Chernobyl accident. Journal of Environmental Radioactivity, 2015, 149, 144-149. | 1.7 | 13 |
| 8 | Modelling the effective dose to a population from fallout after a nuclear power plant accident – A scenario-based study with mitigating actions. PLoS ONE, 2019, 14, e0215081. | 2.5 | 11 |
| 9 | Comparative Measurements of the External Radiation Exposure in a ¹³⁷ Cs Contaminated Village in Belarus Based on Optically Stimulated Luminescence in NaCl and Thermoluminescence in LiF. Health Physics, 2012, 103, 740-749. | 0.5 | 10 |
| 10 | On background radiation gradients – the use of airborne surveys when searching for orphan sources using mobile gamma-ray spectrometry. Journal of Environmental Radioactivity, 2014, 128, 84-90. | 1.7 | 9 |
| 11 | A model for estimating the total absorbed dose to the thyroid in Swedish inhabitants following the Chernobyl Nuclear Power Plant accident: implications for existing international estimates and future model applications. Journal of Radiological Protection, 2019, 39, 522-547. | 1.1 | 9 |
| 12 | Assessment of the environmental contamination with long-lived radionuclides around an operating RBMK reactor station. Journal of Environmental Radioactivity, 2006, 90, 68-77. | 1.7 | 8 |
| 13 | Introduction of a method to calculate cumulative age- and gender-specific lifetime attributable risk (LAR) of cancer in populations after a large-scale nuclear power plant accident. PLoS ONE, 2020, 15, e0228549. | 2.5 | 8 |
| 14 | The use of hair as an indicator of occupational ¹⁴ C contamination. Radiation and Environmental Biophysics, 2010, 49, 97-107. | 1.4 | 7 |
| 15 | On the presence of plutonium in Madagascar following the SNAP-9A satellite failure. Journal of Environmental Radioactivity, 2017, 177, 91-99. | 1.7 | 7 |
| 16 | Influence of the migration of radioactive contaminants in soil, resident occupancy, and variability in contamination on isodose lines for typical Northern European houses. Scientific Reports, 2019, 9, 7876. | 3.3 | 6 |
| 17 | Comparison of experimental and calculated shielding factors for modular buildings in a radioactive fallout scenario. Journal of Environmental Radioactivity, 2018, 189, 146-155. | 1.7 | 5 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Hair as an indicator of the body content of polonium in humans: preliminary results from study of five male volunteers. <i>Journal of Environmental Radioactivity</i> , 2015, 141, 71-75. | 1.7 | 4 |
| 20 | A rotating-slit-collimator-based gamma radiation mapper. <i>Journal of Environmental Radioactivity</i> , 2017, 177, 225-232. | 1.7 | 4 |
| 21 | Monte-Carlo simulations of external dose contributions from the surrounding ground areas of residential homes in a typical Northern European suburban area after a radioactive fallout scenario. <i>Scientific Reports</i> , 2020, 10, 14764. | 3.3 | 4 |
| 22 | Insights into the Pu isotopic composition (²³⁹ Pu, ²⁴⁰ Pu, and ²⁴¹ Pu) and ²³⁶ U in marshland samples from Madagascar. <i>Science of the Total Environment</i> , 2020, 740, 139993. | 8.0 | 4 |
| 23 | Experimental wildfire induced mobility of radiocesium in a boreal forest environment. <i>Science of the Total Environment</i> , 2021, 792, 148310. | 8.0 | 4 |
| 24 | Experimentally determined and Monte Carlo-calculated energy dependence of NaCl pellets read by optically stimulated luminescence for photon beams in the energy range 30 keV to 1.25 MeV. <i>Journal of Radiological Protection</i> , 2020, 40, 1321-1335. | 1.1 | 4 |
| 25 | Increased cancer risk in male hunters compared to the general male population in Northern Sweden after the Chernobyl Nuclear Power Plant accident?. <i>Environmental Epidemiology</i> , 2020, 4, e084. | 3.0 | 3 |
| 26 | Absorbed dose rate coefficients for ¹³⁴ Cs and ¹³⁷ Cs with steady-state distribution in the human body: S-coefficients revisited. <i>Journal of Radiological Protection</i> , 2021, 41, 1213-1227. | 1.1 | 3 |
| 27 | Averting cumulative lifetime attributable risk (LAR) of cancer by decontamination of residential areas affected by a large-scale nuclear power plant fallout: time aspects of radiological benefits for newborns and adults. <i>Journal of Radiological Protection</i> , 2020, 40, 790-814. | 1.1 | 3 |
| 28 | Tritium in urine from members of the general public and occupationally exposed workers in Lund, Sweden, prior to operation of the European Spallation Source. <i>Journal of Environmental Radioactivity</i> , 2020, 213, 106141. | 1.7 | 2 |
| 29 | Bayesian algorithm to estimate position and activity of an orphan gamma source utilizing multiple detectors in a mobile gamma spectrometry system. <i>PLoS ONE</i> , 2021, 16, e0245440. | 2.5 | 2 |
| 30 | Maximizing avertable doses with a minimum amount of waste for remediation of land areas around typical single family houses after radioactive fallout based on Monte Carlo simulations. <i>Scientific Reports</i> , 2021, 11, 4643. | 3.3 | 2 |
| 31 | Maximum detection distances for gamma emitting point sources in mobile gamma spectrometry. <i>Applied Radiation and Isotopes</i> , 2022, 184, 110195. | 1.5 | 2 |
| 32 | Cancer incidence in a male adult population in relation to estimated protracted colon dose – A nested case control study in Northern Sweden after the Chernobyl Nuclear Power Plant accident. <i>Science of the Total Environment</i> , 2022, 838, 156349. | 8.0 | 2 |
| 33 | In vivo measurement of pre-operational spallation source workers: baseline body burden levels and detection limits of relevant gamma emitters using high-resolution gamma spectrometry. <i>Journal of Radiological Protection</i> , 2020, 40, 119-133. | 1.1 | 1 |
| 34 | Influence of variable oxygen concentration on the combustion derived release of radiocesium from boreal soil and peat. <i>Science of the Total Environment</i> , 2022, 815, 152725. | 8.0 | 0 |
| 35 | ENVIRONMENTAL LEVELS OF RADIOCARBON IN LUND, SWEDEN, PRIOR TO THE START OF THE EUROPEAN SPALLATION SOURCE. <i>Radiocarbon</i> , 0, , 1-17. | 1.8 | 0 |