

# Charlot Vandevoorde

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

733  
citations

471061

17  
h-index

552369

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

938  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Perspective on the Use of DNA Repair Inhibitors as a Tool for Imaging and Radionuclide Therapy of Glioblastoma. <i>Cancers</i> , 2022, 14, 1821.  | 1.7 | 3         |
| 2  | A Validation Study on Immunophenotypic Differences in T-lymphocyte Chromosomal Radiosensitivity between Newborns and Adults in South Africa. <i>Radiation</i> , 2022, 2, 1-16.  | 0.6 | 0         |
| 3  | Novel Receptor Tyrosine Kinase Pathway Inhibitors for Targeted Radionuclide Therapy of Glioblastoma. <i>Pharmaceuticals</i> , 2021, 14, 626.  | 1.7 | 14        |
| 4  | Radiosensitization Effect of Gold Nanoparticles in Proton Therapy. <i>Frontiers in Public Health</i> , 2021, 9, 699822.   | 1.3 | 28        |
| 5  | MDM2/X Inhibitors as Radiosensitizers for Glioblastoma Targeted Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 703442.   | 1.3 | 17        |
| 6  | A perspective on the radiopharmaceutical requirements for imaging and therapy of glioblastoma. <i>Theranostics</i> , 2021, 11, 7911-7947.   | 4.6 | 23        |
| 7  | DNA damage response of haematopoietic stem and progenitor cells to high-LET neutron irradiation. <i>Scientific Reports</i> , 2021, 11, 20854.   | 1.6 | 5         |
| 8  | Response of SOI microdosimeter in fast neutron beams: experiment and Monte Carlo simulations. <i>Physica Medica</i> , 2021, 90, 176-187.  | 0.4 | 3         |
| 9  | An Automated Microscopic Scoring Method for the $\gamma$ -H2AX Foci Assay in Human Peripheral Blood Lymphocytes. <i>Journal of Visualized Experiments</i> , 2021, , .   | 0.2 | 5         |
| 10 | Biomedical Research Programs at Present and Future High-Energy Particle Accelerators. <i>Frontiers in Physics</i> , 2020, 8, 00380.   | 1.0 | 8         |
| 11 | Immunological Changes During Space Travel: A Ground-Based Evaluation of the Impact of Neutron Dose Rate on Plasma Cytokine Levels in Human Whole Blood Cultures. <i>Frontiers in Physics</i> , 2020, 8, .                             | 1.0 | 1         |
| 12 | Estimating the Relative Biological Effectiveness of Auger Electron Emitter 123I in Human Lymphocytes. <i>Frontiers in Physics</i> , 2020, 8, .  | 1.0 | 5         |
| 13 | Combination Therapy With Charged Particles and Molecular Targeting: A Promising Avenue to Overcome Radioresistance. <i>Frontiers in Oncology</i> , 2020, 10, 128.   | 1.3 | 27        |
| 14 | The Combination of Particle Irradiation With the Hedgehog Inhibitor GANT61 Differently Modulates the Radiosensitivity and Migration of Cancer Cells Compared to X-Ray Irradiation. <i>Frontiers in Oncology</i> , 2019, 9, 391.       | 1.3 | 18        |
| 15 | The Impact of Dose Rate on DNA Double-Strand Break Formation and Repair in Human Lymphocytes Exposed to Fast Neutron Irradiation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5350.                                | 1.8 | 18        |
| 16 | A novel methodology to assess linear energy transfer and relative biological effectiveness in proton therapy using pairs of differently doped thermoluminescent detectors. <i>Physics in Medicine and Biology</i> , 2019, 64, 085005. | 1.6 | 21        |
| 17 | MICRODOSIMETRIC MEASUREMENT OF SECONDARY RADIATION IN THE PASSIVE SCATTERED PROTON THERAPY ROOM OF iTHEMBA LABS USING A TISSUE-EQUIVALENT PROPORTIONAL COUNTER. <i>Radiation Protection Dosimetry</i> , 2018, 182, 252-257.           | 0.4 | 1         |
| 18 | SOI microdosimetry and modified MKM for evaluation of relative biological effectiveness for a passive proton therapy radiation field. <i>Physics in Medicine and Biology</i> , 2018, 63, 235007.                                      | 1.6 | 28        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The second gamma-H2AX assay inter-comparison exercise carried out in the framework of the European biodosimetry network (RENEB). <i>International Journal of Radiation Biology</i> , 2017, 93, 58-64.   | 1.0 | 46        |
| 20 | In vitro cellular radiosensitivity in relationship to late normal tissue reactions in breast cancer patients: a multi-endpoint case-control study. <i>International Journal of Radiation Biology</i> , 2016, 92, 823-836.                               | 1.0 | 21        |
| 21 | Radiation Sensitivity of Human CD34 <sup>+</sup> Cells Versus Peripheral Blood T Lymphocytes of Newborns and Adults: DNA Repair and Mutagenic Effects. <i>Radiation Research</i> , 2016, 185, 580-590.  | 0.7 | 21        |
| 22 | The role of Size-Specific Dose Estimate (SSDE) in patient-specific organ dose and cancer risk estimation in paediatric chest and abdominopelvic CT examinations. <i>European Radiology</i> , 2016, 26, 2646-2655.                                       | 2.3 | 23        |
| 23 | Realising the European network of biodosimetry: RENEB--status quo. <i>Radiation Protection Dosimetry</i> , 2015, 164, 42-45.  | 0.4 | 41        |
| 24 | $\gamma$ -H2AX foci as in vivo effect biomarker in children emphasize the importance to minimize x-ray doses in paediatric CT imaging. <i>European Radiology</i> , 2015, 25, 800-811.   | 2.3 | 48        |
| 25 | EPI-CT: in vitro assessment of the applicability of the $\gamma$ -H2AX-foci assay as cellular biomarker for exposure in a multicentre study of children in diagnostic radiology. <i>International Journal of Radiation Biology</i> , 2015, 91, 653-663. | 1.0 | 26        |
| 26 | The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. <i>Radiation Protection Dosimetry</i> , 2015, 164, 265-270.   | 0.4 | 62        |
| 27 | Inter- and intra-laboratory comparison of a multibiodosimetric approach to triage in a simulated, large scale radiation emergency. <i>International Journal of Radiation Biology</i> , 2014, 90, 193-202.   | 1.0 | 44        |
| 28 | Is a semi-automated approach indicated in the application of the automated micronucleus assay for triage purposes?. <i>Radiation Protection Dosimetry</i> , 2014, 159, 87-94.   | 0.4 | 32        |
| 29 | Multibiodose Radiation Emergency Triage Categorization Software. <i>Health Physics</i> , 2014, 107, 83-89.  | 0.3 | 9         |
| 30 | Intensity modulated radiotherapy induces pro-inflammatory and pro-survival responses in prostate cancer patients. <i>International Journal of Oncology</i> , 2014, 44, 1073-1083.   | 1.4 | 19        |
| 31 | Gene set enrichment analysis highlights different gene expression profiles in whole blood samples X-irradiated with low and high doses. <i>International Journal of Radiation Biology</i> , 2013, 89, 628-638.  | 1.0 | 58        |
| 32 | Biokinetics and dosimetry of commonly used radiopharmaceuticals in diagnostic nuclear medicine – a review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 2269-2281.   | 3.3 | 58        |