

Charlot Vandevoorde

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

733
citations

471509
17
h-index

552781
26
g-index

34
all docs

34
docs citations

34
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. <i>Radiation Protection Dosimetry</i> , 2015, 164, 265-270.	0.8	62
2	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.	6.4	58
3	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.	1.8	58
4	γ -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.	4.5	48
5	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.	1.8	46
6	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.	1.8	44
7	Realising the European network of biodosimetry: RENEB–status quo. <i>Radiation Protection Dosimetry</i> , 2015, 164, 42-45.	0.8	41
8	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.	0.8	32
9	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.	3.0	28
10	Radiosensitization Effect of Gold Nanoparticles in Proton Therapy. <i>Frontiers in Public Health</i> , 2021, 9, 699822.	2.7	28
11	Combination Therapy With Charged Particles and Molecular Targeting: A Promising Avenue to Overcome Radioresistance. <i>Frontiers in Oncology</i> , 2020, 10, 128.	2.8	27
12	EPI-CT: in vitro assessment of the applicability of the γ -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.	1.8	26
13	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.	4.5	23
14	A perspective on the radiopharmaceutical requirements for imaging and therapy of glioblastoma. <i>Theranostics</i> , 2021, 11, 7911-7947.	10.0	23
15	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.	1.8	21
16	Radiation Sensitivity of Human CD34 ⁺ Cells Versus Peripheral Blood T Lymphocytes of Newborns and Adults: DNA Repair and Mutagenic Effects. <i>Radiation Research</i> , 2016, 185, 580-590.	1.5	21
17	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.	3.0	21
18	Intensity modulated radiotherapy induces pro-inflammatory and pro-survival responses in prostate cancer patients. <i>International Journal of Oncology</i> , 2014, 44, 1073-1083.	3.3	19

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19	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.	2.8	18
20	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.	4.1	18
21	MDM2/X Inhibitors as Radiosensitizers for Glioblastoma Targeted Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 703442.	2.8	17
22	Novel Receptor Tyrosine Kinase Pathway Inhibitors for Targeted Radionuclide Therapy of Glioblastoma. <i>Pharmaceuticals</i> , 2021, 14, 626.	3.8	14
23	Multibiodose Radiation Emergency Triage Categorization Software. <i>Health Physics</i> , 2014, 107, 83-89.	0.5	9
24	Biomedical Research Programs at Present and Future High-Energy Particle Accelerators. <i>Frontiers in Physics</i> , 2020, 8, 00380.	2.1	8
25	Estimating the Relative Biological Effectiveness of Auger Electron Emitter ¹²³ I in Human Lymphocytes. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	5
26	DNA damage response of haematopoietic stem and progenitor cells to high-LET neutron irradiation. <i>Scientific Reports</i> , 2021, 11, 20854.	3.3	5
27	An Automated Microscopic Scoring Method for the γ -H2AX Foci Assay in Human Peripheral Blood Lymphocytes. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	5
28	Response of SOI microdosimeter in fast neutron beams: experiment and Monte Carlo simulations. <i>Physica Medica</i> , 2021, 90, 176-187.	0.7	3
29	Perspective on the Use of DNA Repair Inhibitors as a Tool for Imaging and Radionuclide Therapy of Glioblastoma. <i>Cancers</i> , 2022, 14, 1821.	3.7	3
30	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.	0.8	1
31	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, .	2.1	1
32	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.	1.4	0