Charlot Vandevoorde

List of Publications by Year
in descending order

32	733	471061 17	552369 26
papers	citations	h-index	g-index

34	34	34	938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The first gamma-H2AX biodosimetry intercomparison exercise of the developing European biodosimetry network RENEB. Radiation Protection Dosimetry, 2015, 164, 265-270.	0.4	62
2	Biokinetics and dosimetry of commonly used radiopharmaceuticals in diagnostic nuclear medicine â€“ a review. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 2269-2281.	3.3	58
3	Gene set enrichment analysis highlights different gene expression profiles in whole blood samples X-irradiated with low and high doses. International Journal of Radiation Biology, 2013, 89, 628-638.	1.0	58
4	Î³-H2AX foci as in vivo effect biomarker in children emphasize the importance to minimize x-ray doses in paediatric CT imaging. European Radiology, 2015, 25, 800-811.	2.3	48
5	The second gamma-H2AX assay inter-comparison exercise carried out in the framework of the European biodosimetry network (RENEB). International Journal of Radiation Biology, 2017, 93, 58-64.	1.0	46
6	Inter- and intra-laboratory comparison of a multibiodosimetric approach to triage in a simulated, large scale radiation emergency. International Journal of Radiation Biology, 2014, 90, 193-202.	1.0	44
7	Realising the European network of biodosimetry: RENEB--status quo. Radiation Protection Dosimetry, 2015, 164, 42-45.	0.4	41
8	Is a semi-automated approach indicated in the application of the automated micronucleus assay for triage purposes?. Radiation Protection Dosimetry, 2014, 159, 87-94.	0.4	32
9	SOI microdosimetry and modified MKM for evaluation of relative biological effectiveness for a passive proton therapy radiation field. Physics in Medicine and Biology, 2018, 63, 235007.	1.6	28
10	Radiosensitization Effect of Gold Nanoparticles in Proton Therapy. Frontiers in Public Health, 2021, 9, 699822.	1.3	28
11	Combination Therapy With Charged Particles and Molecular Targeting: A Promising Avenue to Overcome Radioresistance. Frontiers in Oncology, 2020, 10, 128.	1.3	27
12	EPI-CT: in vitro assessment of the applicability of the Î³-H2AX-foci assay as cellular biomarker for exposure in a multicentre study of children in diagnostic radiology. International Journal of Radiation Biology, 2015, 91, 653-663.	1.0	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. European Radiology, 2016, 26, 2646-2655.	2.3	23
14	A perspective on the radiopharmaceutical requirements for imaging and therapy of glioblastoma. Theranostics, 2021, 11, 7911-7947.	4.6	23
15	In vitro cellular radiosensitivity in relationship to late normal tissue reactions in breast cancer patients: a multi-endpoint case-control study. International Journal of Radiation Biology, 2016, 92, 823-836.	1.0	21
16	Radiation Sensitivity of Human CD34⁺Cells Versus Peripheral Blood T Lymphocytes of Newborns and Adults: DNA Repair and Mutagenic Effects. Radiation Research, 2016, 185, 580-590.	0.7	21
17	A novel methodology to assess linear energy transfer and relative biological effectiveness in proton therapy using pairs of differently doped thermoluminescent detectors. Physics in Medicine and Biology, 2019, 64, 085005.	1.6	21
18	Intensity modulated radiotherapy induces pro-inflammatory and pro-survival responses in prostate cancer patients. International Journal of Oncology, 2014, 44, 1073-1083.	1.4	19

#	Article	IF	Citations
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. Frontiers in Oncology, 2019, 9, 391.	1.3	18
20	The Impact of Dose Rate on DNA Double-Strand Break Formation and Repair in Human Lymphocytes Exposed to Fast Neutron Irradiation. International Journal of Molecular Sciences, 2019, 20, 5350.	1.8	18
21	MDM2/X Inhibitors as Radiosensitizers for Glioblastoma Targeted Therapy. Frontiers in Oncology, 2021, 11, 703442.	1.3	17
22	Novel Receptor Tyrosine Kinase Pathway Inhibitors for Targeted Radionuclide Therapy of Glioblastoma. Pharmaceuticals, 2021, 14, 626.	1.7	14
23	Multibiodose Radiation Emergency Triage Categorization Software. Health Physics, 2014, 107, 83-89.	0.3	9
24	Biomedical Research Programs at Present and Future High-Energy Particle Accelerators. Frontiers in Physics, 2020, 8, 00380.	1.0	8
25	Estimating the Relative Biological Effectiveness of Auger Electron Emitter 123I in Human Lymphocytes. Frontiers in Physics, 2020, 8, .	1.0	5
26	DNA damage response of haematopoietic stem and progenitor cells to high-LET neutron irradiation. Scientific Reports, 2021, 11, 20854.	1.6	5
27	An Automated Microscopic Scoring Method for the γ-H2AX Foci Assay in Human Peripheral Blood Lymphocytes. Journal of Visualized Experiments, 2021, , .	0.2	5
28	Response of SOI microdosimeter in fast neutron beams: experiment and Monte Carlo simulations. Physica Medica, 2021, 90, 176-187.	0.4	3
29	Perspective on the Use of DNA Repair Inhibitors as a Tool for Imaging and Radionuclide Therapy of Glioblastoma. Cancers, 2022, 14, 1821.	1.7	3
30	MICRODOSIMETRIC MEASUREMENT OF SECONDARY RADIATION IN THE PASSIVE SCATTERED PROTON THERAPY ROOM OF iTHEMBA LABS USING A TISSUE-EQUIVALENT PROPORTIONAL COUNTER. Radiation Protection Dosimetry, 2018, 182, 252-257.	0.4	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. Frontiers in Physics, 2020, 8, .	1.0	1
32	A Validation Study on Immunophenotypic Differences in T-lymphocyte Chromosomal Radiosensitivity between Newborns and Adults in South Africa. Radiation, 2022, 2, 1-16.	0.6	0