Anne-Catherine Heuskin

List of Publications by Year
in descending order

18	646	759233 12	839539 18
papers	citations	h-index	g-index

18	18	18	866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gold Nanoparticles as a Potent Radiosensitizer: A Transdisciplinary Approach from Physics to Patient. Cancers, 2020, 12, 2021.	3.7	103
2	Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. Physics in Medicine and Biology, 2020, 65, 21RM02.	3.0	101
3	Gateway to genetic exchange? <scp>DNA</scp> doubleâ€strand breaks in the bdelloid rotifer <scp>A</scp>dineta vaga submitted to desiccation. Journal of Evolutionary Biology, 2014, 27, 1334-1345.	1.7	61
4	Proton irradiation orchestrates macrophage reprogramming through NFÎºB signaling. Cell Death and Disease, 2018, 9, 728.	6.3	58
5	LET-dependent radiosensitization effects of gold nanoparticles for proton irradiation. Nanotechnology, 2016, 27, 455101.	2.6	50
6	Antibody-functionalized gold nanoparticles as tumor-targeting radiosensitizers for proton therapy. Nanomedicine, 2019, 14, 317-333.	3.3	42
7	The role of thioredoxin reductase in gold nanoparticle radiosensitization effects. Nanomedicine, 2018, 13, 2917-2937.	3.3	40
8	Low-LET Proton Irradiation of A549 Non-small Cell Lung Adenocarcinoma Cells: Dose Response and RBE Determination. Radiation Research, 2013, 179, 273-281.	1.5	32
9	Combinatorial DNA Damage Pairing Model Based on X-Ray-Induced Foci Predicts the Dose and LET Dependence of Cell Death in Human Breast Cells. Radiation Research, 2014, 182, 273-281.	1.5	30
10	Thioredoxin Reductase Activity Predicts Gold Nanoparticle Radiosensitization Effect. Nanomaterials, 2019, 9, 295.	4.1	29
11	Metallic nanoparticles irradiated by lowâ€energy protons for radiation therapy: Are there significant physical effects to enhance the dose delivery?. Medical Physics, 2017, 44, 4299-4312.	3.0	24
12	Comparison of X-ray and alpha particle effects on a human cancer and endothelial cells: Survival curves and gene expression profiles. Radiotherapy and Oncology, 2013, 106, 397-403.	0.6	22
13	Low-Dose Hypersensitivity and Bystander Effect are Not Mutually Exclusive in A549 Lung Carcinoma Cells after Irradiation with Charged Particles. Radiation Research, 2013, 180, 491-498.	1.5	12
14	Iron Ladies â€“ How Desiccated Asexual Rotifer Adineta vaga Deal With X-Rays and Heavy Ions?. Frontiers in Microbiology, 2020, 11, 1792.	3.5	12
15	Low dose hypersensitivity following in vitro cell irradiation with charged particles: Is the mechanism the same as with X-ray radiation?. International Journal of Radiation Biology, 2014, 90, 81-89.	1.8	11
16	Mapping the Future of Particle Radiobiology in Europe: The INSPIRE Project. Frontiers in Physics, 2020, 8, .	2.1	9
17	Effects of Alpha Particle and Proton Beam Irradiation as Putative Cross-Talk between A549 Cancer Cells and the Endothelial Cells in a Co-Culture System. Cancers, 2015, 7, 481-502.	3.7	6
18	Metallic Nanoparticles: A Useful Prompt Gamma Emitter for Range Monitoring in Proton Therapy?. Radiation, 2021, 1, 305-316.	1.4	4