

# Frederic Pouzoulet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9488575/publications.pdf>

Version: 2024-02-01

22  
papers

1,530  
citations

759233

12  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh dose-rate FLASH irradiation increases the differential response between normal and tumor tissue in mice. <i>Science Translational Medicine</i> , 2014, 6, 245ra93.	12.4	768
2	Experimental Set-up for FLASH Proton Irradiation of Small Animals Using a Clinical System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 619-626.	0.8	187
3	Strategy for Population Triage Based on Dicentric Analysis. <i>Radiation Research</i> , 2009, 171, 541-548.	1.5	78
4	Thrombopoietin-Increased DNA-PK-Dependent DNA Repair Limits Hematopoietic Stem and Progenitor Cell Mutagenesis in Response to DNA Damage. <i>Cell Stem Cell</i> , 2013, 12, 37-48.	11.1	75
5	Proton minibeam radiation therapy spares normal rat brain: Long-Term Clinical, Radiological and Histopathological Analysis. <i>Scientific Reports</i> , 2017, 7, 14403.	3.3	75
6	Proton minibeam radiation therapy widens the therapeutic index for high-grade gliomas. <i>Scientific Reports</i> , 2018, 8, 16479.	3.3	61
7	Tumor Control in RG2 Glioma-Bearing Rats: A Comparison Between Proton Minibeam Therapy and Standard Proton Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 266-271.	0.8	56
8	Down-regulation of MyoD by Calpain 3 Promotes Generation of Reserve Cells in C2C12 Myoblasts. <i>Journal of Biological Chemistry</i> , 2010, 285, 12670-12683.	3.4	44
9	Preclinical radiotherapy at the Australian Synchrotron's Imaging and Medical Beamline: instrumentation, dosimetry and a small-animal feasibility study. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 854-865.	2.4	33
10	Short and long-term evaluation of the impact of proton minibeam radiation therapy on motor, emotional and cognitive functions. <i>Scientific Reports</i> , 2020, 10, 13511.	3.3	33
11	Immune checkpoint inhibition by anti-PDCD1 (anti-PD1) monoclonal antibody has significant therapeutic activity against central nervous system lymphoma in an immunocompetent preclinical model. <i>British Journal of Haematology</i> , 2018, 183, 674-678.	2.5	22
12	First Evaluation of Temporal and Spatial Fractionation in Proton Minibeam Radiation Therapy of Glioma-Bearing Rats. <i>Cancers</i> , 2021, 13, 4865.	3.7	17
13	X-rays minibeam radiation therapy at a conventional irradiator: Pilot evaluation in F98-glioma bearing rats and dose calculations in a human phantom. <i>Clinical and Translational Radiation Oncology</i> , 2021, 27, 44-49.	1.7	14
14	Spatially Modulated Proton Minibeams Results in the Same Increase of Lifespan as a Uniform Target Dose Coverage in F98-Glioma-Bearing Rats. <i>Radiation Research</i> , 2020, 194, 715-723.	1.5	14
15	Heterogeneous intratumoral distribution of gadolinium nanoparticles within U87 human glioblastoma xenografts unveiled by micro-PIXE imaging. <i>Analytical Biochemistry</i> , 2017, 523, 50-57.	2.4	10
16	Enhancement of IUDR Radiosensitization by Low-Energy Photons Results from Increased and Persistent DNA Damage. <i>PLoS ONE</i> , 2017, 12, e0168395.	2.5	10
17	Mapping the Future of Particle Radiobiology in Europe: The INSPIRE Project. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	9
18	A Potential Renewed Use of Very Heavy Ions for Therapy: Neon Minibeam Radiation Therapy. <i>Cancers</i> , 2021, 13, 1356.	3.7	9

#	ARTICLE	IF	CITATIONS
19	PrPc deficiency and dasatinib protect mouse intestines against radiation injury by inhibiting of c-Src. <i>Radiotherapy and Oncology</i> , 2016, 120, 175-183.	0.6	7
20	Primary CNS lymphoma patient-derived orthotopic xenograft model capture the biological and molecular characteristics of the disease. <i>Blood Cells, Molecules, and Diseases</i> , 2019, 75, 1-10.	1.4	7
21	Translational research in radiobiology in the framework of France HADRON national collaboration. <i>Translational Cancer Research</i> , 2017, 6, S795-S806.	1.0	1
22	[OA052] Proton minibeam radiation therapy: A promising alternative for high-grade gliomas. <i>Physica Medica</i> , 2018, 52, 22.	0.7	0