

# Julie Bolcaen

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

309  
citations

759233

12  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	MRI-guided 3D conformal arc micro-irradiation of a F98 glioblastoma rat model using the Small Animal Radiation Research Platform (SARRP). <i>Journal of Neuro-Oncology</i> , 2014, 120, 257-266.	2.9	32
2	Structural and Metabolic Features of Two Different Variants of Multiple Sclerosis: A PET/MRI Study. <i>Journal of Neuroimaging</i> , 2013, 23, 431-436.	2.0	31
3	18F-fluoromethylcholine (FCho), 18F-fluoroethyltyrosine (FET), and 18F-fluorodeoxyglucose (FDG) for the discrimination between high-grade glioma and radiation necrosis in rats: A PET study. <i>Nuclear Medicine and Biology</i> , 2015, 42, 38-45.	0.6	30
4	A perspective on the radiopharmaceutical requirements for imaging and therapy of glioblastoma. <i>Theranostics</i> , 2021, 11, 7911-7947.	10.0	23
5	The optimal timing for imaging brain tumours and other brain lesions with 18F-labelled fluoromethylcholine. <i>Nuclear Medicine Communications</i> , 2012, 33, 954-959.	1.1	22
6	18F-FCho PET and MRI for the prediction of response in glioblastoma patients according to the RANO criteria. <i>Nuclear Medicine Communications</i> , 2017, 38, 242-249.	1.1	20
7	New fluoroethyl phenylalanine analogues as potential LAT1-targeting PET tracers for glioblastoma. <i>Scientific Reports</i> , 2019, 9, 2878.	3.3	18
8	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
9	MDM2/X Inhibitors as Radiosensitizers for Glioblastoma Targeted Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 703442.	2.8	17
10	Kinetic Modeling and Graphical Analysis of 18F-Fluoromethylcholine (FCho), 18F-Fluoroethyltyrosine (FET) and 18F-Fluorodeoxyglucose (FDG) PET for the Discrimination between High-Grade Glioma and Radiation Necrosis in Rats. <i>PLoS ONE</i> , 2016, 11, e0161845.	2.5	17
11	In Vivo DCE-MRI for the Discrimination Between Glioblastoma and Radiation Necrosis in Rats. <i>Molecular Imaging and Biology</i> , 2017, 19, 857-866.	2.6	15
12	Novel Receptor Tyrosine Kinase Pathway Inhibitors for Targeted Radionuclide Therapy of Glioblastoma. <i>Pharmaceuticals</i> , 2021, 14, 626.	3.8	14
13	The Path Toward PET-Guided Radiation Therapy for Glioblastoma in Laboratory Animals: A Mini Review. <i>Frontiers in Medicine</i> , 2019, 6, 5.	2.6	11
14	Technical feasibility of [18F]FET and [18F]FAZA PET guided radiotherapy in a F98 glioblastoma rat model. <i>Radiation Oncology</i> , 2019, 14, 89.	2.7	9
15	PET and MRI Guided Irradiation of a Glioblastoma Rat Model Using a Micro-irradiator. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
16	Assessment of the effect of therapy in a rat model of glioblastoma using [18F]FDG and [18F]FCho PET compared to contrast-enhanced MRI. <i>PLoS ONE</i> , 2021, 16, e0248193.	2.5	5
17	PET for Therapy Response Assessment in Glioblastoma. , 0, , 175-195.		5
18	DNA damage response of haematopoietic stem and progenitor cells to high-LET neutron irradiation. <i>Scientific Reports</i> , 2021, 11, 20854.	3.3	5

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19	An Automated Microscopic Scoring Method for the $\gamma$ -H2AX Foci Assay in Human Peripheral Blood Lymphocytes. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	5
20	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
21	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