

# Munkhbaatar Batmunkh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8277908/publications.pdf>

Version: 2024-02-01

11  
papers

68  
citations

2258059

3  
h-index

1474206

9  
g-index

11  
all docs

11  
docs citations

11  
times ranked

123  
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative model of the major pathways for radiation-induced DNA double-strand break repair. Journal of Theoretical Biology, 2015, 366, 115-130.	1.7	30
2	Radiation damage to neuronal cells: Simulating the energy deposition and water radiolysis in a small neural network. Physica Medica, 2016, 32, 1510-1520.	0.7	15
3	Estimation of the spatial energy deposition in CA1 pyramidal neurons under exposure to 12C and 56Fe ion beams. Journal of Radiation Research and Applied Sciences, 2015, 8, 498-507.	1.2	11
4	Optimized neuron models for estimation of charged particle energy deposition in hippocampus. Physica Medica, 2019, 57, 88-94.	0.7	5
5	Cluster analysis of HZE particle tracks as applied to space radiobiology problems. Physics of Particles and Nuclei Letters, 2013, 10, 854-859.	0.4	2
6	Simulation of Radiation Damage to Neural Cells with the Geant4-DNA Toolkit. EPJ Web of Conferences, 2018, 173, 05005.	0.3	2
7	Radiation Damage to Nervous System: Designing Optimal Models for Realistic Neuron Morphology in Hippocampus. EPJ Web of Conferences, 2018, 173, 05004.	0.3	1
8	Monte Carlo track structure simulation in studies of biological effects induced by accelerated charged particles in the central nervous system. EPJ Web of Conferences, 2019, 204, 04008.	0.3	1
9	Computer simulation of radiation damage mechanisms in the structure of brain cells. AIP Conference Proceedings, 2021, , .	0.4	1
10	Mathematical Modeling of the DNA Double-Strand Break Repair in Mammalian and Human Cells. , 2016, , 169-174.		0
11	Simulations of Radioactive Decays: an Application of Low-Energy Electromagnetic Packages for the Nuclear Medicine. Mongolian Journal of Biological Sciences, 2015, 13, .	0.3	0