

Reza Taleei

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

680
citations

686830

13
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of the initial DNA damage induced by alpha particles in comparison with protons and electrons using Geant4-DNA. International Journal of Radiation Biology, 2020, 96, 767-778.	1.0	11
2	MODELLING DSB REPAIR KINETICS FOR DNA DAMAGE INDUCED BY PROTON AND CARBON IONS. Radiation Protection Dosimetry, 2019, 183, 75-78.	0.4	6
3	Track structure simulation of low energy electron damage to DNA using Geant4-DNA. Biomedical Physics and Engineering Express, 2018, 4, 065009.	0.6	9
4	A simulation approach for determining the spectrum of DNA damage induced by protons. Physics in Medicine and Biology, 2018, 63, 175003.	1.6	17
5	Proton therapy dosimetry using the scintillation of the silica fibers. Optics Letters, 2017, 42, 847.	1.7	40
6	Monte Carlo simulations of ³ He ion physical characteristics in a water phantom and evaluation of radiobiological effectiveness. Medical Physics, 2016, 43, 761-776.	1.6	13
7	The visible signal responsible for proton therapy dosimetry using bare optical fibers is not Čerenkov radiation. Medical Physics, 2016, 43, 5973-5980.	1.6	46
8	Analysis of the track- and dose-averaged LET and LET spectra in proton therapy using the Geant4 Monte Carlo code. Medical Physics, 2015, 42, 6234-6247.	1.6	103
9	DSB repair model for mammalian cells in early S and G1 phases of the cell cycle: Application to damage induced by ionizing radiation of different quality. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 779, 5-14.	0.9	26
10	Spatial mapping of the biologic effectiveness of scanned particle beams: towards biologically optimized particle therapy. Scientific Reports, 2015, 5, 9850.	1.6	117
11	Radiation induced base excision repair (BER): A mechanistic mathematical approach. DNA Repair, 2014, 22, 89-103.	1.3	22
12	Response to the Letter of Bodgi and Foray: On the coherence between mathematical models of DSB repair and physiological reality. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 761, 50-52.	0.9	9
13	Biochemical DSB-repair model for mammalian cells in G1 and early S phases of the cell cycle. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 756, 206-212.	0.9	79
14	Ionizing radiation and genetic risks. XVII. Formation mechanisms underlying naturally occurring DNA deletions in the human genome and their potential relevance for bridging the gap between induced DNA double-strand breaks and deletions in irradiated germ cells. Mutation Research - Reviews in Mutation Research, 2013, 753, 114-130.	2.4	18
15	The Non-homologous End-Joining (NHEJ) Mathematical Model for the Repair of Double-Strand Breaks: II. Application to Damage Induced by Ultrasoft X Rays and Low-Energy Electrons. Radiation Research, 2013, 179, 540-548.	0.7	46
16	The Non-homologous End-Joining (NHEJ) Pathway for the Repair of DNA Double-Strand Breaks: I. A Mathematical Model. Radiation Research, 2013, 179, 530-539.	0.7	61
17	Repair of the double-strand breaks induced by low energy electrons: A modelling approach. International Journal of Radiation Biology, 2012, 88, 948-953.	1.0	26
18	A Monte Carlo evaluation of carbon and lithium ions dose distributions in water. International Journal of Radiation Biology, 2012, 88, 189-194.	1.0	10

#	ARTICLE	IF	CITATIONS
19	A kinetic model of single-strand annealing for the repair of DNA double-strand breaks. Radiation Protection Dosimetry, 2011, 143, 191-195.	0.4	20