Eliedonna Cacao

List of Publications by Year in descending order

21 papers	515 citations	759233 12 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	611 citing authors

#	Article	IF	Citations
1	Predictions of space radiation fatality risk for exploration missions. Life Sciences in Space Research, 2017, 13, 1-11.	2.3	95
2	Non-Targeted Effects Models Predict Significantly Higher Mars Mission Cancer Risk than Targeted Effects Models. Scientific Reports, 2017, 7, 1832.	3.3	66
3	Risks of cognitive detriments after low dose heavy ion and proton exposures. International Journal of Radiation Biology, 2019, 95, 985-998.	1.8	51
4	Harderian Gland Tumorigenesis: Low-Dose and LET Response. Radiation Research, 2016, 185, 449-460.	1.5	44
5	Relative Biological Effectiveness of HZE Particles for Chromosomal Exchanges and Other Surrogate Cancer Risk Endpoints. PLoS ONE, 2016, 11, e0153998.	2.5	35
6	Nanoscale Effects of Ethanol and Naltrexone on Protein Organization in the Plasma Membrane Studied by Photoactivated Localization Microscopy (PALM). PLoS ONE, 2014, 9, e87225.	2.5	25
7	A Platform To Enhance Quantitative Single Molecule Localization Microscopy. Journal of the American Chemical Society, 2018, 140, 12785-12797.	13.7	24
8	Modeling Heavy-Ion Impairment of Hippocampal Neurogenesis after Acute and Fractionated Irradiation. Radiation Research, 2016, 186, 624.	1.5	23
9	Modeling Impaired Hippocampal Neurogenesis after Radiation Exposure. Radiation Research, 2016, 185, 319-331.	1.5	20
10	Cancer and circulatory disease risks for a human mission to Mars: Private mission considerations. Acta Astronautica, 2020, 166, 529-536.	3.2	16
11	Predictions of cognitive detriments from galactic cosmic ray exposures to astronauts on exploration missions. Life Sciences in Space Research, 2020, 25, 129-135.	2.3	16
12	Meta-analysis of Cognitive Performance by Novel Object Recognition after Proton and Heavy Ion Exposures. Radiation Research, 2019, 192, 463.	1.5	15
13	Stochastic Modeling of Radiation-induced Dendritic Damage on in silico Mouse Hippocampal Neurons. Scientific Reports, 2018, 8, 5494.	3.3	14
14	Benchmarking risk predictions and uncertainties in the NSCR model of GCR cancer risks with revised low let risk coefficients. Life Sciences in Space Research, 2020, 27, 64-73.	2.3	13
15	Space Radiation Quality Factors and the Delta Ray Dose and Dose-Rate Reduction Effectiveness Factor. Health Physics, 2016, 110, 262-266.	0.5	12
16	Suspended, micron-scale corner cube retroreflectors as ultra-bright optical labels. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 06FA01.	1.2	11
17	NON-TARGETED EFFECTS LEAD TO A PARIDIGM SHIFT IN RISK ASSESSMENT FOR A MISSION TO THE EARTHâ€™S MOON OR MARTIAN MOON PHOBOS. Radiation Protection Dosimetry, 2019, 183, 213-218.	0.8	10
18	Enzymatic Synthesis of Magnetic Nanoparticles. International Journal of Molecular Sciences, 2015, 16, 7535-7550.	4.1	9

#	Article	IF	Citations
19	Modeling Reveals the Dependence of Hippocampal Neurogenesis Radiosensitivity on Age and Strain of Rats. Frontiers in Neuroscience, 2018, 12, 980.	2.8	8
20	High-Resolution, High-Throughput, Positive-Tone Patterning of Poly(ethylene glycol) by Helium Beam Exposure through Stencil Masks. PLoS ONE, 2013, 8, e56835.	2.5	6
21	Helium beam shadowing for high spatial resolution patterning of antibodies on microstructured diagnostic surfaces. Biointerphases, 2013, 8, 9.	1.6	2