

# Eliedonna Cacao

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Cancer and circulatory disease risks for a human mission to Mars: Private mission considerations. <i>Acta Astronautica</i> , 2020, 166, 529-536.	3.2	16
2	Predictions of cognitive detriments from galactic cosmic ray exposures to astronauts on exploration missions. <i>Life Sciences in Space Research</i> , 2020, 25, 129-135.	2.3	16
3	Benchmarking risk predictions and uncertainties in the NSCR model of GCR cancer risks with revised low let risk coefficients. <i>Life Sciences in Space Research</i> , 2020, 27, 64-73.	2.3	13
4	Meta-analysis of Cognitive Performance by Novel Object Recognition after Proton and Heavy Ion Exposures. <i>Radiation Research</i> , 2019, 192, 463.	1.5	15
5	Risks of cognitive detriments after low dose heavy ion and proton exposures. <i>International Journal of Radiation Biology</i> , 2019, 95, 985-998.	1.8	51
6	NON-TARGETED EFFECTS LEAD TO A PARIDIGM SHIFT IN RISK ASSESSMENT FOR A MISSION TO THE EARTH'S MOON OR MARTIAN MOON PHOBOS. <i>Radiation Protection Dosimetry</i> , 2019, 183, 213-218.	0.8	10
7	Stochastic Modeling of Radiation-induced Dendritic Damage on in silico Mouse Hippocampal Neurons. <i>Scientific Reports</i> , 2018, 8, 5494.	3.3	14
8	Modeling Reveals the Dependence of Hippocampal Neurogenesis Radiosensitivity on Age and Strain of Rats. <i>Frontiers in Neuroscience</i> , 2018, 12, 980.	2.8	8
9	A Platform To Enhance Quantitative Single Molecule Localization Microscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 12785-12797.	13.7	24
10	Predictions of space radiation fatality risk for exploration missions. <i>Life Sciences in Space Research</i> , 2017, 13, 1-11.	2.3	95
11	Non-Targeted Effects Models Predict Significantly Higher Mars Mission Cancer Risk than Targeted Effects Models. <i>Scientific Reports</i> , 2017, 7, 1832.	3.3	66
12	Space Radiation Quality Factors and the Delta Ray Dose and Dose-Rate Reduction Effectiveness Factor. <i>Health Physics</i> , 2016, 110, 262-266.	0.5	12
13	Harderian Gland Tumorigenesis: Low-Dose and LET Response. <i>Radiation Research</i> , 2016, 185, 449-460.	1.5	44
14	Modeling Heavy-Ion Impairment of Hippocampal Neurogenesis after Acute and Fractionated Irradiation. <i>Radiation Research</i> , 2016, 186, 624.	1.5	23
15	Modeling Impaired Hippocampal Neurogenesis after Radiation Exposure. <i>Radiation Research</i> , 2016, 185, 319-331.	1.5	20
16	Relative Biological Effectiveness of HZE Particles for Chromosomal Exchanges and Other Surrogate Cancer Risk Endpoints. <i>PLoS ONE</i> , 2016, 11, e0153998.	2.5	35
17	Enzymatic Synthesis of Magnetic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015, 16, 7535-7550.	4.1	9
18	Nanoscale Effects of Ethanol and Naltrexone on Protein Organization in the Plasma Membrane Studied by Photoactivated Localization Microscopy (PALM). <i>PLoS ONE</i> , 2014, 9, e87225.	2.5	25

#	ARTICLE	IF	CITATIONS
19	Helium beam shadowing for high spatial resolution patterning of antibodies on microstructured diagnostic surfaces. <i>Biointerphases</i> , 2013, 8, 9.	1.6	2
20	High-Resolution, High-Throughput, Positive-Tone Patterning of Poly(ethylene glycol) by Helium Beam Exposure through Stencil Masks. <i>PLoS ONE</i> , 2013, 8, e56835.	2.5	6
21	Suspended, micron-scale corner cube retroreflectors as ultra-bright optical labels. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011, 29, 06FA01.	1.2	11