

Jack Miller

List of Publications by Year in descending order

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23
papers

983
citations

471509

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docs citations

23
times ranked

722
citing authors

#	ARTICLE	IF	CITATIONS
1	NASA GeneLab Platform Utilized for Biological Response to Space Radiation in Animal Models. <i>Cancers</i> , 2020, 12, 381.	3.7	18
2	GeneLab Database Analyses Suggest Long-Term Impact of Space Radiation on the Cardiovascular System by the Activation of FYN Through Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2019, 20, 661.	4.1	23
3	NASA GeneLab Project: Bridging Space Radiation Omics with Ground Studies. <i>Radiation Research</i> , 2018, 189, 553-559.	1.5	19
4	Twenty years of space radiation physics at the BNL AGS and NASA Space Radiation Laboratory. <i>Life Sciences in Space Research</i> , 2016, 9, 12-18.	2.3	5
5	Galactic cosmic ray simulation at the NASA Space Radiation Laboratory. <i>Life Sciences in Space Research</i> , 2016, 8, 38-51.	2.3	112
6	Measurements of the neutron spectrum in transit to Mars on the Mars Science Laboratory, KÄthler et al.. <i>Life Sciences in Space Research</i> , 2015, 5, A1.	2.3	1
7	Nuclear data for space radiation. <i>Radiation Measurements</i> , 2012, 47, 315-363.	1.4	33
8	Fragmentation cross sections of medium-energy ^{35}Cl and ^{40}Ar ions. <i>Nuclear Physics A</i> , 2007, 784, 341-367.	2.9	38
9	HETC-HEDS Code Validation Using Laboratory Beam Energy Loss Spectra Data. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 3164-3168.	2.0	18
10	Shielding experiments with high-energy heavy ions for spaceflight applications. <i>New Journal of Physics</i> , 2008, 10, 075007.	2.9	19
11	Fragmentation cross sections of ^{28}Si at beam energies from to. <i>Nuclear Physics A</i> , 2007, 784, 341-367.	1.5	59
12	Measurements of materials shielding properties with 1GeV/nuc ^{56}Fe . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 252, 308-318.	1.4	81
13	Polyethylene as a radiation shielding standard in simulated cosmic-ray environments. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 252, 319-332.	1.4	89
14	Fragmentation of 1GeV/nucleon iron ions in thick targets relevant for space exploration. <i>Advances in Space Research</i> , 2005, 35, 223-229.	2.6	37
15	Validation of the HZETRN code for laboratory exposures with 1A GeV iron ions in several targets. <i>Advances in Space Research</i> , 2005, 35, 202-207.	2.6	19
16	Benchmark Studies of the Effectiveness of Structural and Internal Materials as Radiation Shielding for the International Space Station. <i>Radiation Research</i> , 2003, 159, 381-390.	1.5	66
17	The Response of a Spherical Tissue-Equivalent Proportional Counter to Iron Particles from 200 to 1000 MeV/nucleon. <i>Radiation Research</i> , 2002, 157, 350-360.	1.5	26
18	Wall Effects Observed in Tissue-Equivalent Proportional Counters from 1.05 GeV/nucleon Iron-56 Particles. <i>Radiation Research</i> , 1998, 149, 387.	1.5	25

#	ARTICLE	IF	CITATIONS
19	Detailed Characterization of the 1087 MeV/nucleon Iron-56 Beam Used for Radiobiology at the Alternating Gradient Synchrotron. Radiation Research, 1998, 149, 560.	1.5	110
20	Heavy fragment production cross sections from 1.05 GeV/nucleon ⁵⁶ Fe in C, Al, Cu, Pb, and CH ₂ targets. Physical Review C, 1997, 56, 388-397.	2.9	130
21	The Fragmentation of 510 MeV/Nucleon Iron-56 in Polyethylene. I. Fragment Fluence Spectra. Radiation Research, 1996, 145, 655.	1.5	28
22	The Fragmentation of 510 MeV/Nucleon Iron-56 in Polyethylene. II. Comparisons between Data and a Model. Radiation Research, 1996, 145, 666.	1.5	23
23	Ground-based simulations of galactic cosmic ray fragmentation and transport. Advances in Space Research, 1994, 14, 831-840.	2.6	4