

Michael Hajek

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

596
citations

15
h-index

23
g-index

39
ext. papers

682
ext. citations

1.5
avg, IF

3.23
L-index

#	Paper	IF	Citations
39	Astronauts organ doses inferred from measurements in a human phantom outside the international space station. <i>Radiation Research</i> , 2009 , 171, 225-35	3.1	94
38	TL-efficiency Overview and experimental results over the years. <i>Radiation Measurements</i> , 2008 , 43, 146-156	1.5	71
37	Cosmic radiation exposure of biological test systems during the EXPOSE-E mission. <i>Astrobiology</i> , 2012 , 12, 387-92	3.7	41
36	DOSIS & DOSIS 3D: long-term dose monitoring onboard the Columbus Laboratory of the International Space Station (ISS). <i>Journal of Space Weather and Space Climate</i> , 2016 , 6, A39	2.5	34
35	The MATROSHKA experiment: results and comparison from extravehicular activity (MTR-1) and intravehicular activity (MTR-2A/2B) exposure. <i>Radiation Research</i> , 2013 , 180, 622-37	3.1	33
34	Comparison of the response of various TLDs to cosmic radiation and ion beams: Current results of the HAMLET project. <i>Radiation Measurements</i> , 2011 , 46, 1680-1685	1.5	22
33	DOSIS & DOSIS 3D: radiation measurements with the DOSTEL instruments onboard the Columbus Laboratory of the ISS in the years 2009-2016. <i>Journal of Space Weather and Space Climate</i> , 2017 , 7, A8	2.5	21
32	LET dependence of thermoluminescent efficiency and peak height ratio of CaF ₂ :Tm. <i>Radiation Measurements</i> , 2008 , 43, 1135-1139	1.5	21
31	Convolution of TLD and SSNTD measurements during the BRADOS-1 experiment onboard ISS (2001). <i>Radiation Measurements</i> , 2008 , 43, 1231-1236	1.5	20
30	On the linearity of the high-temperature emission from 7LiF:Mg,Ti (TLD-700). <i>Radiation Measurements</i> , 2008 , 43, 1467-1473	1.5	20
29	The efficiency of various thermoluminescence dosimeter types to heavy ions. <i>Radiation Protection Dosimetry</i> , 2006 , 120, 365-8	0.9	20
28	Analysis of the neutron component at high altitude mountains using active and passive measurement devices. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 476, 69-73	1.2	16
27	Dose distribution in the Russian Segment of the International Space Station. <i>Radiation Protection Dosimetry</i> , 2006 , 120, 446-9	0.9	15
26	Efficiency-corrected dose verification with thermoluminescence dosimeters in heavy-ion beams. <i>Radiation Protection Dosimetry</i> , 2006 , 120, 361-4	0.9	15
25	Austrian dose measurements onboard space station MIR and the International Space Station--overview and comparison. <i>Advances in Space Research</i> , 2004 , 34, 1414-9	2.4	15
24	A TLD-based personal dosimeter system for aircrew monitoring. <i>Radiation Protection Dosimetry</i> , 2004 , 110, 337-41	0.9	13
23	Cosmic radiation exposure of biological test systems during the EXPOSE-R mission. <i>International Journal of Astrobiology</i> , 2015 , 14, 27-32	1.4	12

22	Peer review versus editorial review and their role in innovative science. <i>Theoretical Medicine and Bioethics</i> , 2012 , 33, 359-76	0.9	12
21	Novel shielding materials for space and air travel. <i>Radiation Protection Dosimetry</i> , 2006 , 120, 405-9	0.9	12
20	BRADOS □Dose determination in the Russian Segment of the International Space Station. <i>Advances in Space Research</i> , 2006 , 37, 1664-1667	2.4	11
19	Thermoluminescence fading studies: Implications for long-duration space measurements in Low Earth Orbit. <i>Radiation Measurements</i> , 2013 , 56, 303-306	1.5	10
18	NUNDO: a numerical model of a human torso phantom and its application to effective dose equivalent calculations for astronauts at the ISS. <i>Radiation and Environmental Biophysics</i> , 2014 , 53, 719-27		10
17	A portable multi-purpose OSL reader for UV dosimetry at workplaces. <i>Radiation Measurements</i> , 2008 , 43, 516-519	1.5	10
16	Dose assessment of aircrew using passive detectors. <i>Radiation Protection Dosimetry</i> , 2002 , 100, 511-4	0.9	10
15	Comparison of various techniques for the exact determination of absorbed dose in heavy ion fields using passive detectors. <i>Advances in Space Research</i> , 2006 , 37, 1716-1721	2.4	9
14	Application of the high-temperature ratio method for evaluation of the depth distribution of dose equivalent in a water-filled phantom on board space station Mir. <i>Radiation Protection Dosimetry</i> , 2002 , 100, 503-6	0.9	8
13	An infrastructure for accurate characterization of single-event transients in digital circuits. <i>Microprocessors and Microsystems</i> , 2013 , 37, 772-791	2.4	4
12	Passive in-flight neutron spectrometry by means of bonner spheres. <i>Radiation Protection Dosimetry</i> , 2004 , 110, 343-6	0.9	3
11	Developments and trends in bioequivalent dosimetry. <i>Radiation Protection Dosimetry</i> , 2015 , 164, 65-9	0.9	2
10	A SOLUTION FOR NEUTRON PERSONAL DOSIMETRY IN THE ABSENCE OF WORKPLACE SPECTROMETRY. <i>Radiation Protection Dosimetry</i> , 2016 , 170, 265-8	0.9	2
9	MATSIM: Development of a Voxel Model of the MATROSHKA Astronaut Dosimetric Phantom. <i>IEEE Transactions on Nuclear Science</i> , 2011 , 58, 1921-1926	1.7	2
8	Comparative study of infrared-stimulated luminescent and thermoluminescent dating of archaeological artefacts. <i>Radiation Measurements</i> , 2008 , 43, 781-785	1.5	2
7	Cellular signal transduction events as a function of linear energy transfer (LET). <i>Radiation Protection Dosimetry</i> , 2007 , 126, 418-22	0.9	2
6	Advantages of passive detectors for the determination of the cosmic ray induced neutron environment. <i>Radiation Protection Dosimetry</i> , 2002 , 100, 541-4	0.9	2
5	Results of the EURADOS 2017 intercomparison for whole body neutron dosimeters (IC2017n). <i>Radiation Measurements</i> , 2020 , 135, 106364	1.5	1

- 4 Thermoluminescence dating of archaeological artefacts from the Middle Neolithic, Bronze Age and the Roman Empire period. *Radiation Protection Dosimetry*, **2002**, 101, 363-5 0.9 1
- 3 Neutron dosimetry onboard aircraft using superheated emulsions. *Radioactivity in the Environment*, **2005**, 941-947
- 2 Measurements and calculations of the radiation exposure of aircrew personnel on different flight routes. *Radioactivity in the Environment*, **2005**, 948-954
- 1 CHARACTERISATION OF RADIOPHOTOLUMINESCENCE DOSIMETRY SYSTEM FOR INDIVIDUAL MONITORING. *Radiation Protection Dosimetry*, **2020**, 190, 66-70 0.9