

Iva Ambrožová

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

374
citations

1040056

9
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	The European Joint Research Project UHPulse – Metrology for advanced radiotherapy using particle beams with ultra-high pulse dose rates. <i>Physica Medica</i> , 2020, 80, 134-150.	0.7	71
2	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.	3.3	49
3	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.	3.3	44
4	Publicly available database of measurements with the silicon spectrometer Liulin onboard aircraft. <i>Radiation Measurements</i> , 2013, 58, 107-112.	1.4	29
5	Dose distribution of secondary radiation in a water phantom for a proton pencil beam – EURADOS WG9 intercomparison exercise. <i>Physics in Medicine and Biology</i> , 2018, 63, 085017.	3.0	28
6	Uncertainties in linear energy transfer spectra measured with track-etched detectors in space. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 713, 5-10.	1.6	23
7	CONCORD: comparison of cosmic radiation detectors in the radiation field at aviation altitudes. <i>Journal of Space Weather and Space Climate</i> , 2016, 6, A24.	3.3	20
8	REFLECT – Research flight of EURADOS and CREAT: Intercomparison of various radiation dosimeters onboard aircraft. <i>Radiation Measurements</i> , 2020, 137, 106433.	1.4	16
9	Out-of-field doses for scanning proton radiotherapy of shallowly located paediatric tumours – a comparison of range shifter and 3D printed compensator. <i>Physics in Medicine and Biology</i> , 2021, 66, 035012.	3.0	13
10	Out-of-field doses in pediatric craniospinal irradiations with 3D-CRT, VMAT, and scanning proton radiotherapy: A phantom study. <i>Medical Physics</i> , 2022, 49, 2672-2683.	3.0	11
11	Measurement of target fragments produced by 160 MeV proton beam in aluminum and polyethylene with CR-39 plastic nuclear track detectors. <i>Radiation Measurements</i> , 2014, 64, 29-34.	1.4	10
12	Reactivation of Microbial Strains and Synthetic Communities After a Spaceflight to the International Space Station: Corroborating the Feasibility of Essential Conversions in the MELISSA Loop. <i>Astrobiology</i> , 2019, 19, 1167-1176.	3.0	9
13	Intercomparison of personal and ambient dosimeters in extremely high-dose-rate pulsed photon fields. <i>Radiation Physics and Chemistry</i> , 2020, 172, 108764.	2.8	9
14	Cosmic radiation monitoring at low-Earth orbit by means of thermoluminescence and plastic nuclear track detectors. <i>Radiation Measurements</i> , 2017, 106, 262-266.	1.4	8
15	Perturbations of radiation field caused by titanium dental implants in pencil proton beam therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 215020.	3.0	6
16	AIRDOS – open-source PIN diode airborne dosimeter. <i>Journal of Instrumentation</i> , 2021, 16, T03006.	1.2	6
17	Comparison of cosmic rays radiation detectors on-board commercial jet aircraft. <i>Radiation Protection Dosimetry</i> , 2015, 164, 484-488.	0.8	5
18	CR10 – A PUBLIC DATABASE OF COSMIC RADIATION MEASUREMENTS AT AVIATION ALTITUDES OF ABOUT 10 KM. <i>Radiation Protection Dosimetry</i> , 2019, 186, 224-228.	0.8	4

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19	Measurements of radiation induced by a spark discharge under laboratory conditions. Radiation Measurements, 2020, 137, 106420.	1.4	4
20	RESPONSE OF THE CZECH RMN NETWORK TO THUNDERSTORM ACTIVITY. Radiation Protection Dosimetry, 2019, 186, 215-218.	0.8	3
21	ANGULAR DEPENDENCE OF TRACK-ETCH DETECTOR HARZLAS TD-1. Radiation Protection Dosimetry, 2019, 186, 219-223.	0.8	2
22	Etched track detector methods for the identification of target nuclear fragments in cosmic radiation and accelerator proton beams. Radiation Measurements, 2021, 140, 106505.	1.4	2
23	Fading of CaSO ₄ thermoluminescent detectors after exposure to charged particles. Radiation Measurements, 2017, 106, 569-572.	1.4	1
24	Comparative measurements of mixed radiation fields using liulin and AIRDOS dosimeters. AIP Conference Proceedings, 2019, , .	0.4	1
25	INVESTIGATION OF NUCLEAR EMULSIONS IN TERMS OF NEUTRON DOSIMETRY. Radiation Protection Dosimetry, 2019, 186, 229-234.	0.8	0