

Konrad P Nesteruk

List of Publications by Year in descending order

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27
papers

376
citations

840119

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28
docs citations

28
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	A static beam delivery device for fast scanning proton arc-therapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 055018.	1.6	6
2	FLASH Irradiation with Proton Beams: Beam Characteristics and Their Implications for Beam Diagnostics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2170.	1.3	9
3	Al ₂ O ₃ :C optically stimulated luminescence dosimeters (OSLDs) for ultra-high dose rate proton dosimetry. <i>Physics in Medicine and Biology</i> , 2021, 66, 085003.	1.6	30
4	Commissioning of a clinical pencil beam scanning proton therapy unit for ultra-high dose rates (FLASH). <i>Medical Physics</i> , 2021, 48, 4017-4026.	1.6	36
5	Faraday cup for commissioning and quality assurance for proton pencil beam scanning beams at conventional and ultra-high dose rates. <i>Physics in Medicine and Biology</i> , 2021, 66, 124001.	1.6	10
6	CT-on-Rails Versus In-Room CBCT for Online Daily Adaptive Proton Therapy of Head-and-Neck Cancers. <i>Cancers</i> , 2021, 13, 5991.	1.7	14
7	Uncertainty quantification analysis and optimization for proton therapy beam lines. <i>Physica Medica</i> , 2020, 75, 11-18.	0.4	5
8	Large energy acceptance gantry for proton therapy utilizing superconducting technology. <i>Physics in Medicine and Biology</i> , 2019, 64, 175007.	1.6	25
9	Activation studies of a PET cyclotron bunker. <i>Radiation Physics and Chemistry</i> , 2019, 161, 48-54.	1.4	12
10	Measurement of the Beam Energy Distribution of a Medical Cyclotron with a Multi-Leaf Faraday Cup. <i>Instruments</i> , 2019, 3, 4.	0.8	13
11	Transverse beam emittance studies of the CYRC® TR24 cyclotron. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 931, 151-157.	0.7	2
12	Beam optics of a superconducting proton-therapy gantry with a large momentum acceptance. <i>International Journal of Modern Physics A</i> , 2019, 34, 1942024.	0.5	4
13	A system for online beam emittance measurements and proton beam characterization. <i>Journal of Instrumentation</i> , 2018, 13, P01011-P01011.	0.5	28
14	Measurement of ⁴³ Sc and ⁴⁴ Sc production cross-section with an 18 MeV medical PET cyclotron. <i>Applied Radiation and Isotopes</i> , 2017, 129, 96-102.	0.7	61
15	UniBEaM: A silica fiber monitor for charged particle beams. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
16	A Low-cost Beam Profiler Based On Cerium-doped Silica Fibers. <i>Physics Procedia</i> , 2017, 90, 215-222.	1.2	18
17	Testing the Radiation Hardness of Thick-Film Resistors for a Time-Of-Flight Mass Spectrometer at Jupiter with 18 MeV Protons. , 2017, , .		3
18	A detector based on silica fibers for ion beam monitoring in a wide current range. <i>Journal of Instrumentation</i> , 2016, 11, P03027-P03027.	0.5	35

#	ARTICLE	IF	CITATIONS
19	An online beam monitor detector for medical applications of ion beams. Radiotherapy and Oncology, 2016, 118, S13-S14.	0.3	0
20	Proton scattering radiography using an emulsion detector: a feasibility study. Radiotherapy and Oncology, 2016, 118, S21-S22.	0.3	0
21	Accelerator and detector physics at the Bern medical cyclotron and its beam transport line. Nukleonika, 2016, 61, 11-14.	0.3	3
22	Characterization of the dose distribution in the halo region of a clinical proton pencil beam using emulsion film detectors. Journal of Instrumentation, 2015, 10, P01007-P01007.	0.5	2
23	Low current performance of the Bern medical cyclotron down to the pA range. Measurement Science and Technology, 2015, 26, 094006.	1.4	23
24	Study of the radioactivity induced in air by a 15-MeV proton beam. Radiation Protection Dosimetry, 2015, 163, 269-275.	0.4	7
25	Beam monitor detectors for medical applications. Reports of Practical Oncology and Radiotherapy, 2014, 19, S32-S36.	0.3	6
26	28: An innovative on-line beam-monitoring detector based on the emission of secondary electrons. Radiotherapy and Oncology, 2014, 110, S14-S15.	0.3	2
27	A beam monitor detector based on doped silica and optical fibres. Journal of Instrumentation, 2012, 7, T02001-T02001.	0.5	18