

# Konrad P Nesteruk

## List of Publications by Year in descending order

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27  
papers

376  
citations

840119

11  
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794141

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28  
all docs

28  
docs citations

28  
times ranked

270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of $^{43}\text{Sc}$ and $^{44}\text{Sc}$ production cross-section with an 18 MeV medical PET cyclotron. Applied Radiation and Isotopes, 2017, 129, 96-102.	0.7	61
2	Commissioning of a clinical pencil beam scanning proton therapy unit for ultra-high dose rates (FLASH). Medical Physics, 2021, 48, 4017-4026.	1.6	36
3	A detector based on silica fibers for ion beam monitoring in a wide current range. Journal of Instrumentation, 2016, 11, P03027-P03027.	0.5	35
4	$\text{Al}_2\text{O}_3\text{:C}$ optically stimulated luminescence dosimeters (OSLDs) for ultra-high dose rate proton dosimetry. Physics in Medicine and Biology, 2021, 66, 085003.	1.6	30
5	A system for online beam emittance measurements and proton beam characterization. Journal of Instrumentation, 2018, 13, P01011-P01011.	0.5	28
6	Large energy acceptance gantry for proton therapy utilizing superconducting technology. Physics in Medicine and Biology, 2019, 64, 175007.	1.6	25
7	Low current performance of the Bern medical cyclotron down to the pA range. Measurement Science and Technology, 2015, 26, 094006.	1.4	23
8	A beam monitor detector based on doped silica and optical fibres. Journal of Instrumentation, 2012, 7, T02001-T02001.	0.5	18
9	A Low-cost Beam Profiler Based On Cerium-doped Silica Fibers. Physics Procedia, 2017, 90, 215-222.	1.2	18
10	CT-on-Rails Versus In-Room CBCT for Online Daily Adaptive Proton Therapy of Head-and-Neck Cancers. Cancers, 2021, 13, 5991.	1.7	14
11	Measurement of the Beam Energy Distribution of a Medical Cyclotron with a Multi-Leaf Faraday Cup. Instruments, 2019, 3, 4.	0.8	13
12	Activation studies of a PET cyclotron bunker. Radiation Physics and Chemistry, 2019, 161, 48-54.	1.4	12
13	Faraday cup for commissioning and quality assurance for proton pencil beam scanning beams at conventional and ultra-high dose rates. Physics in Medicine and Biology, 2021, 66, 124001.	1.6	10
14	FLASH Irradiation with Proton Beams: Beam Characteristics and Their Implications for Beam Diagnostics. Applied Sciences (Switzerland), 2021, 11, 2170.	1.3	9
15	Study of the radioactivity induced in air by a 15-MeV proton beam. Radiation Protection Dosimetry, 2015, 163, 269-275.	0.4	7
16	Beam monitor detectors for medical applications. Reports of Practical Oncology and Radiotherapy, 2014, 19, S32-S36.	0.3	6
17	A static beam delivery device for fast scanning proton arc-therapy. Physics in Medicine and Biology, 2021, 66, 055018.	1.6	6
18	Uncertainty quantification analysis and optimization for proton therapy beam lines. Physica Medica, 2020, 75, 11-18.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Beam optics of a superconducting proton-therapy gantry with a large momentum acceptance. International Journal of Modern Physics A, 2019, 34, 1942024.	0.5	4
20	Accelerator and detector physics at the Bern medical cyclotron and its beam transport line. Nukleonika, 2016, 61, 11-14.	0.3	3
21	UniBEaM: A silica fiber monitor for charged particle beams. AIP Conference Proceedings, 2017, , .	0.3	3
22	Testing the Radiation Hardness of Thick-Film Resistors for a Time-Of-Flight Mass Spectrometer at Jupiter with 18 MeV Protons. , 2017, , .		3
23	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
24	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
25	Transverse beam emittance studies of the CYRCÄ© TR24 cyclotron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 931, 151-157.	0.7	2
26	An online beam monitor detector for medical applications of ion beams. Radiotherapy and Oncology, 2016, 118, S13-S14.	0.3	0
27	Proton scattering radiography using an emulsion detector: a feasibility study. Radiotherapy and Oncology, 2016, 118, S21-S22.	0.3	0