

Matthias WÃ¼rl

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

141
citations

1306789

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15
all docs

15
docs citations

15
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a novel small animal proton irradiation platform: the SIRMIO project. Acta Oncologica, 2019, 58, 1470-1475.	0.8	27
2	Gel dosimetry for three dimensional proton range measurements in anthropomorphic geometries. Zeitschrift Fur Medizinische Physik, 2019, 29, 162-172.	0.6	22
3	A feasibility study of zebrafish embryo irradiation with laser-accelerated protons. Review of Scientific Instruments, 2020, 91, 063303.	0.6	18
4	I-BEAT: Ultrasonic method for online measurement of the energy distribution of a single ion bunch. Scientific Reports, 2019, 9, 6714.	1.6	17
5	Animal tissue-based quantitative comparison of dual-energy CT to SPR conversion methods using high-resolution gel dosimetry. Physics in Medicine and Biology, 2021, 66, 075009.	1.6	13
6	Investigating the accuracy of co-registered ionoacoustic and ultrasound images in pulsed proton beams. Physics in Medicine and Biology, 2021, 66, 185007.	1.6	10
7	Enhancement of the ionoacoustic effect through ultrasound and photoacoustic contrast agents. Scientific Reports, 2021, 11, 2725.	1.6	9
8	Time-of-flight spectrometry of ultra-short, polyenergetic proton bunches. Review of Scientific Instruments, 2018, 89, 123302.	0.6	8
9	Experimental demonstration of accurate Bragg peak localization with ionoacoustic tandem phase detection (iTPD). Physics in Medicine and Biology, 2021, 66, 245020.	1.6	6
10	Considerations on employing a PMQ-doublet for narrow and broad proton energy distributions. Current Directions in Biomedical Engineering, 2017, 3, 339-342.	0.2	4
11	AN ONLINE, RADIATION HARD PROTON ENERGY-RESOLVING SCINTILLATOR STACK FOR LASER-DRIVEN PROTON BUNCHES. Radiation Protection Dosimetry, 2018, 180, 291-295.	0.4	3
12	A Monte Carlo feasibility study on quantitative laser-driven proton radiography. Zeitschrift Fur Medizinische Physik, 2020, 32, 109-109.	0.6	3
13	Proton Radiography for a Small-Animal Irradiation Platform Based on a Miniaturized Timepix Detector. , 2020, , .		1
14	Characterization of online high dynamic range imaging for laser-driven ion beam diagnostics using visible light. Current Directions in Biomedical Engineering, 2017, 3, 343-346.	0.2	0
15	Analytical Proof of Principle for a Novel Approach to Imaging with Polyenergetic Proton Beams. , 2018, , .		0