

Ryan Neph

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

137
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1306789

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12
docs citations

12
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust beam orientation optimization for intensityâ€modulated proton therapy. Medical Physics, 2019, 46, 3356-3370.	1.6	28
2	A novel optimization framework for VMAT with dynamic gantry couch rotation. Physics in Medicine and Biology, 2018, 63, 125013.	1.6	25
3	DeepMC: a deep learning method for efficient Monte Carlo beamlet dose calculation by predictive denoising in magnetic resonance-guided radiotherapy. Physics in Medicine and Biology, 2021, 66, 035022.	1.6	23
4	Parallel beamlet dose calculation via beamlet contexts in a distributed multiâ€GPU framework. Medical Physics, 2019, 46, 3719-3733.	1.6	11
5	A sparse orthogonal collimator for small animal intensityâ€modulated radiation therapy. Part II: hardware development and commissioning. Medical Physics, 2019, 46, 5733-5747.	1.6	10
6	Performance Comparison of Knowledge-Based Dose Prediction Techniques Based on Limited Patient Data. Technology in Cancer Research and Treatment, 2018, 17, 153303381881115.	0.8	9
7	ROAD: ROtational direct Aperture optimization with a Decoupled ring-collimator for FLASH radiotherapy. Physics in Medicine and Biology, 2021, 66, 035020.	1.6	8
8	A sparse orthogonal collimator for small animal intensityâ€modulated radiation therapy part I: Planning system development and commissioning. Medical Physics, 2019, 46, 5703-5713.	1.6	7
9	DeepMCDose: A Deep Learning Method for Efficient Monte Carlo Beamlet Dose Calculation by Predictive Denoising in MR-Guided Radiotherapy. Lecture Notes in Computer Science, 2019, , 137-145.	1.0	6
10	Single-arc VMAT optimization for dual-layer MLC. Physics in Medicine and Biology, 2019, 64, 095028.	1.6	5
11	Many-isocenter optimization for robotic radiotherapy. Physics in Medicine and Biology, 2020, 65, 045003.	1.6	5
12	Technical Note: Robust individual thermoluminescence dosimeter tracking using optical fingerprinting. Medical Physics, 2020, 47, 267-271.	1.6	0