

Nan Qin

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

219
citations

1306789

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1588620

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docs citations

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292
citing authors

#	ARTICLE	IF	CITATIONS
1	Operating a treatment planning system using a deep reinforcement learning-based virtual treatment planner for prostate cancer intensity-modulated radiation therapy treatment planning. <i>Medical Physics</i> , 2020, 47, 2329-2336.	1.6	52
2	A new open-source GPU-based microscopic Monte Carlo simulation tool for the calculations of DNA damages caused by ionizing radiation – Part II: sensitivity and uncertainty analysis. <i>Medical Physics</i> , 2020, 47, 1971-1982.	1.6	14
3	A new open-source GPU-based microscopic Monte Carlo simulation tool for the calculations of DNA damages caused by ionizing radiation – Part I: Core algorithm and validation. <i>Medical Physics</i> , 2020, 47, 1958-1970.	1.6	19
4	Dosimetric evaluation of 4D CBCT reconstructed by Simultaneous Motion Estimation and Image Reconstruction (SMEIR) for carbon ion therapy of lung cancer. <i>Medical Physics</i> , 2019, 46, 4087-4094.	1.6	5
5	Intelligent inverse treatment planning via deep reinforcement learning, a proof-of-principle study in high dose-rate brachytherapy for cervical cancer. <i>Physics in Medicine and Biology</i> , 2019, 64, 115013.	1.6	70
6	Full Monte Carlo-Based Biologic Treatment Plan Optimization System for Intensity Modulated Carbon Ion Therapy on Graphics Processing Unit. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 235-243.	0.4	10
7	Initial development of goCMC: a GPU-oriented fast cross-platform Monte Carlo engine for carbon ion therapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 3682-3699.	1.6	17
8	Recent developments and comprehensive evaluations of a GPU-based Monte Carlo package for proton therapy. <i>Physics in Medicine and Biology</i> , 2016, 61, 7347-7362.	1.6	32