Nan Qin

List of Publications by Year
in descending order

8 papers	219 citations	1306789 7 h-index	1588620 8 g-index
8 all docs	8 docs citations	8 times ranked	292 citing authors

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