

Nicolas Freud

List of Publications by Year in descending order

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14
papers

682
citations

1039406

9
h-index

1473754

9
g-index

14
all docs

14
docs citations

14
times ranked

845
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of the use and potential of the GATE Monte Carlo simulation code for radiation therapy and dosimetry applications. Medical Physics, 2014, 41, 064301.	1.6	332
2	Optimization of GEANT4 settings for Proton Pencil Beam Scanning simulations using GATE. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3295-3305.	0.6	105
3	A computer code to simulate X-ray imaging techniques. Nuclear Instruments & Methods in Physics Research B, 2000, 170, 245-258.	0.6	85
4	Filtered backprojection proton CT reconstruction along most likely paths. Medical Physics, 2013, 40, 031103.	1.6	79
5	An efficient numerical tool for dose deposition prediction applied to synchrotron medical imaging and radiation therapy. Journal of Synchrotron Radiation, 2013, 20, 785-792.	1.0	19
6	Assessment of Geant4 Prompt-Gamma Emission Yields in the Context of Proton Therapy Monitoring. Frontiers in Oncology, 2016, 6, 10.	1.3	19
7	Low Statistics Reconstruction of the Compton Camera Point Spread Function in 3D Prompt- γ Imaging of Ion Beam Therapy. IEEE Transactions on Nuclear Science, 2013, 60, 3355-3363.	1.2	17
8	A Hybrid Approach for Fast Simulation of Dose Deposition in Stereotactic Synchrotron Radiotherapy. IEEE Transactions on Nuclear Science, 2008, 55, 1008-1017.	1.2	11
9	Experimental Comparison of Knife-Edge and Multi-Parallel Slit Collimators for Prompt Gamma Imaging of Proton Pencil Beams. Frontiers in Oncology, 2016, 6, 156.	1.3	11
10	Image reconstruction for Compton camera applied to 3D prompt γ imaging during ion beam therapy. , 2011, , .		3
11	Fast Dose Calculation for Stereotactic Synchrotron Radiotherapy. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3914-7.	0.5	1
12	Electron density resolution determination and systematic uncertainties in proton computed tomography (pCT). , 2012, , .		0
13	Monte Carlo nuclear models evaluation and improvements for real-time prompt gamma ray monitoring in proton and carbon therapy. , 2012, , .		0
14	Bayesian tissue decomposition method for spectral mammography. , 2016, , .		0