

Youming Yang

List of Publications by Year in descending order

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14
papers

211
citations

1039880

9
h-index

1281743

11
g-index

14
all docs

14
docs citations

14
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Validation of RAPID: A Patient-Specific Monte Carlo Three-Dimensional Internal Dosimetry Platform. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2018, 33, 155-165.	0.7	42
2	Pulse-burst laser systems for fast Thomson scattering (invited). <i>Review of Scientific Instruments</i> , 2010, 81, 10D513.	0.6	29
3	ARCHER_{RT} - A GPU-based and photon-electron coupled Monte Carlo dose computing engine for radiation therapy: Software development and application to helical tomotherapy. <i>Medical Physics</i> , 2014, 41, 071709.	1.6	28
4	Monte Carlo simulations of patient dose perturbations in rotational helical tomotherapy due to a transverse magnetic field: A tomotherapy investigation. <i>Medical Physics</i> , 2015, 42, 715-725.	1.6	24
5	Consistency evaluation between EGSnrc and Geant4 charged particle transport in an equilibrium magnetic field. <i>Physics in Medicine and Biology</i> , 2013, 58, N47-N58.	1.6	20
6	Radiation dose and antioxidant depletion in a HDPE geomembrane. <i>Geotextiles and Geomembranes</i> , 2018, 46, 426-435.	2.3	20
7	Generation and confinement of hot ions and electrons in a reversed-field pinch plasma. <i>Plasma Physics and Controlled Fusion</i> , 2010, 52, 124048.	0.9	17
8	McSART: an iterative model-based, motion-compensated SART algorithm for CBCT reconstruction. <i>Physics in Medicine and Biology</i> , 2019, 64, 095013.	1.6	15
9	Pulse-burst operation of standard Nd:YAG lasers. <i>Journal of Physics: Conference Series</i> , 2010, 227, 012023.	0.3	12
10	Concurrent Monte Carlo transport and fluence optimization with fluence adjusting scalable transport Monte Carlo. <i>Medical Physics</i> , 2016, 43, 3034-3048.	1.6	3
11	Advances in Time-Resolved Measurement of Magnetic Field and Electron Temperature in Low-Magnetic-Field Plasmas. <i>Fusion Science and Technology</i> , 2011, 59, 124-127.	0.6	1
12	SU-E-T-503: Exploiting the Rotational Symmetry of Tomotherapy to Reduce Dose Perturbations From MRI-Guided Radiotherapy: A Monte Carlo Investigation. <i>Medical Physics</i> , 2013, 40, 321-321.	1.6	0
13	TU-C-17A-12: Towards a Passively Optimized Phase-Space Monte Carlo (POPMC) Treatment Planning Method: A Proof of Principle. <i>Medical Physics</i> , 2014, 41, 460-461.	1.6	0
14	SU-F-BRD-02: Application of ARCHERTT-- A GPU-Based Monte Carlo Dose Engine for Radiation Therapy -- to Tomotherapy and Patient-Independent IMRT. <i>Medical Physics</i> , 2014, 41, 395-395.	1.6	0