Jay Wu

List of Publications by Year
in descending order

17	1,222	1307366 7	1125617 13
papers	citations	h-index	g-index

17	17	17	1287
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fuzzy c-means clustering with spatial information for image segmentation. Computerized Medical Imaging and Graphics, 2006, 30, 9-15.	3.5	1,126
2	Small-Field Measurements of 3D Polymer Gel Dosimeters through Optical Computed Tomography. PLoS ONE, 2016, 11, e0151300.	1.1	20
3	Investigation of the dose characteristics of an n-NIPAM gel dosimeter with computed tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 775-778.	0.7	16
4	Metal artifact reduction algorithm based on model images and spatial information. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 602-605.	0.7	16
5	Simulation of breast compression in mammography using finite element analysis: A preliminary study. Radiation Physics and Chemistry, 2017, 140, 295-299.	1.4	9
6	Evaluation of characteristics of high-energy electron beams using N-isopropyl-acrylamide gel dosimeter. Radiation Physics and Chemistry, 2017, 140, 379-382.	1.4	8
7	Dose and slice thickness evaluation with nMAG gel dosimeters in computed tomography. Scientific Reports, 2018, 8, 2632.	1.6	7
8	Evaluating the Characteristics of a Novel DEMBIG Gel Dosimeter Using Computed Tomography. IEEE Transactions on Nuclear Science, 2013, 60, 716-721.	1.2	5
9	Sensitivity enhancement of methacrylic acid gel dosimeters by incorporating iodine for computed tomography scans. Physica Medica, 2019, 63, 1-6.	0.4	5
10	Model Image-Based Metal Artifact Reduction for Computed Tomography. Journal of Digital Imaging, 2020, 33, 71-82.	1.6	5
11	Radioiodine hot feet sign on post-ablation high dose of I of whole-body scan. Hellenic Journal of Nuclear Medicine, 2019, 22, 77.	0.2	2
12	A preliminary study of the thermal measurement with nMAG gel dosimeter by MRI. Radiation Physics and Chemistry, 2014, 104, 404-407.	1.4	1
13	Using an on-board cone-beam computed tomography scanner as an imaging modality for gel dosimetry: A feasibility study. Applied Radiation and Isotopes, 2019, 151, 242-246.	0.7	1
14	Dual-energy tissue cancellation in mammography for improved detection of microcalcifications and neoplasms: A phantom study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166062.	0.7	1
15	Suborgan breast dosimetry for breast nuclear medicine imaging using anthropomorphic software breast phantoms. Radiation Physics and Chemistry, 2020, 166, 108488.	1.4	0
16	Four patients with gastrointestinal bleeding identified by a modified in vivo technique with labeled red blood cells sedimentation. Hellenic Journal of Nuclear Medicine, 2017, 20, 86-88.	0.2	0
17	Application of Polarization-sensitive Optical Coherence Tomography in Measurement of Gel Dosimeters. Journal of Medical and Biological Engineering, 0, , .	1.0	0