

# Shingo Ohira

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

257  
citations

1040056

9  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dosimetric effect of rotational setup errors in stereotactic radiosurgery with HyperArc for single and multiple brain metastases. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 84-91.	1.9	40
2	Estimation of electron density, effective atomic number and stopping power ratio using dual-layer computed tomography for radiotherapy treatment planning. <i>Physica Medica</i> , 2018, 56, 34-40.	0.7	19
3	How Well Does Dual-energy CT with Fast Kilovoltage Switching Quantify CT Number and Iodine and Calcium Concentrations?. <i>Academic Radiology</i> , 2018, 25, 519-528.	2.5	18
4	Deep learning-based metal artifact reduction using cycle-consistent adversarial network for intensity-modulated head and neck radiation therapy treatment planning. <i>Physica Medica</i> , 2020, 78, 8-14.	0.7	18
5	Effect of collimator angle on HyperArc stereotactic radiosurgery planning for single and multiple brain metastases. <i>Medical Dosimetry</i> , 2020, 45, 85-91.	0.9	16
6	Clinical implementation of contrast-enhanced four-dimensional dual-energy computed tomography for target delineation of pancreatic cancer. <i>Radiotherapy and Oncology</i> , 2018, 129, 105-111.	0.6	15
7	Accuracy of Quantification of Iodine and Hounsfield Unit Values on Virtual Monochromatic Imaging Using Dual-Energy Computed Tomography: Comparison of Dual-Layer Computed Tomography With Fast Kilovolt-Switching Computed Tomography. <i>Journal of Computer Assisted Tomography</i> , 2018, 42, 965-971.	0.9	15
8	Metal artifact reduction using iterative CBCT reconstruction algorithm for head and neck radiation therapy: A phantom and clinical study. <i>European Journal of Radiology</i> , 2020, 132, 109293.	2.6	15
9	Treatment planning based on water density image generated using dual-energy computed tomography for pancreatic cancer with contrast-enhancing agent: Phantom and clinical study. <i>Medical Physics</i> , 2018, 45, 5208-5217.	3.0	12
10	Volumetric modulated arc therapy planning based on virtual monochromatic images: Effect of inaccurate CT numbers on dose distributions. <i>Physica Medica</i> , 2019, 60, 83-90.	0.7	11
11	Deep learning-based virtual noncontrast CT for volumetric modulated arc therapy planning: Comparison with a dual-energy CT-based approach. <i>Medical Physics</i> , 2020, 47, 371-379.	3.0	8
12	Monte Carlo Modeling of the Agility MLC for IMRT and VMAT Calculations. <i>In Vivo</i> , 2020, 34, 2371-2380.	1.3	8
13	Intra-fractional patient setup error during fractionated intracranial stereotactic irradiation treatment of patients wearing medical masks: comparison with and without bite block during COVID-19 pandemic. <i>Journal of Radiation Research</i> , 2021, 62, 163-171.	1.6	8
14	Determination of optimal virtual monochromatic energy level for target delineation of brain metastases in radiosurgery using dual-energy CT. <i>British Journal of Radiology</i> , 2020, 93, 20180850.	2.2	7
15	Impact of Multileaf Collimator Width on Dose Distribution in HyperArc Fractionated Stereotactic Irradiation for Multiple (-) Brain Metastases. <i>Anticancer Research</i> , 2021, 41, 3153-3159.	1.1	6
16	Couch height-based patient setup for abdominal radiation therapy. <i>Medical Dosimetry</i> , 2016, 41, 59-63.	0.9	5
17	Stereotactic body radiation therapy planning for liver tumors using functional images from dual-energy computed tomography. <i>Radiotherapy and Oncology</i> , 2020, 145, 56-62.	0.6	5
18	Effect of various methods for rectum delineation on relative and absolute dose-volume histograms for prostate IMRT treatment planning. <i>Medical Dosimetry</i> , 2016, 41, 136-141.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Intra-fractional motion error during HyperArc stereotactic radiosurgery on patients with brain metastases: Comparison of open and full-face clamshell-style immobilization devices. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13536.	1.9	4
20	Volumetric modulated arc therapy treatment planning based on virtual monochromatic images for head and neck cancer: effect of the contrast-enhanced agent on dose distribution. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 144-152.	1.9	3
21	Dual-energy computed tomography image-based volumetric-modulated arc therapy planning for reducing the effect of contrast-enhanced agent on dose distributions. <i>Medical Dosimetry</i> , 2021, 46, 328-334.	0.9	3
22	Improvement of image quality for pancreatic cancer using deep learning-generated virtual monochromatic images: Comparison with single-energy computed tomography. <i>Physica Medica</i> , 2021, 85, 8-14.	0.7	3
23	Comparison of interfractional setup reproducibility between two types of patient immobilization devices in image-guided radiation therapy for prostate cancer. <i>Journal of Medical Physics</i> , 2018, 43, 230.	0.3	3
24	Dose Reduction and Low-Contrast Detectability Using Iterative CBCT Reconstruction Algorithm for Radiotherapy. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382110673.	1.9	3
25	Improvement in bladder volume reproducibility using A-mode portable ultrasound bladder scanner in moderate-hypofractionated volumetric modulated arc therapy for prostate cancer patients. <i>Journal of Applied Clinical Medical Physics</i> , 2022, 23, e13546.	1.9	3
26	A Third-Generation Adaptive Statistical Iterative Reconstruction for Contrast-Enhanced 4-Dimensional Dual-Energy Computed Tomography for Pancreatic Cancer. <i>Journal of Computer Assisted Tomography</i> , 2021, 45, 18-23.	0.9	2
27	Evaluation of Stopping Power Ratio Calculation Using Dual-energy Computed Tomography With Fast Kilovoltage Switching for Treatment Planning of Particle Therapy. <i>In Vivo</i> , 2022, 36, 103-110.	1.3	2
28	Improvement of image quality and assessment of respiratory motion for hepatocellular carcinoma with portal vein tumor thrombosis using contrast-enhanced four-dimensional dual-energy computed tomography. <i>PLoS ONE</i> , 2021, 16, e0244079.	2.5	1