

Shingo Ohira

List of Publications by Year in descending order

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28
papers

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 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 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Monte Carlo Modeling of the Agility MLC for IMRT and VMAT Calculations. <i>In Vivo</i> , 2020, 34, 2371-2380. | 1.3 | 8 |
| 16 | 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 |
| 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 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 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 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Couch height-based patient setup for abdominal radiation therapy. <i>Medical Dosimetry</i> , 2016, 41, 59-63. | 0.9 | 5 |
| 28 | 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 |