Young-Nam Kang

List of Publications by Year
in descending order

22 papers	58 citations	1937685 4 h-index	1872680 6 g-index
23 all docs	23 docs citations	23 times ranked	90 citing authors

#	Article	IF	Citations
1	Locoregional Recurrence Prediction Using a Deep Neural Network of Radiological and Radiotherapy Images. Journal of Personalized Medicine, 2022, 12, 143.	2.5	3
2	Development of a compact X-band linear accelerator system mounted on an O-arm rotating gantry for radiation therapy. Review of Scientific Instruments, 2021, 92, 024103.	1.3	4
3	Medical X‐band linear accelerator for high‐precision radiotherapy. Medical Physics, 2021, 48, 5327-5342.	3.0	6
4	Analysis of plan parameters affecting the delivery quality assurance passing rate of the Tomo direct method in Radixact X9. Journal of the Korean Physical Society, 2021, 78, 73-80.	0.7	0
5	A built-up-type deformable phantom for target motion control to mimic human lung respiration. Review of Scientific Instruments, 2020, 91, 054106.	1.3	4
6	Evaluation of Developed Thermal Distribution Prediction Algorithm Using Mass Density Distribution with CT Image. Journal of the Korean Physical Society, 2020, 76, 86-92.	0.7	1
7	Prediction of Tumor Temperature in Regional Hyperthermia by Using LED Luminance. Journal of the Korean Physical Society, 2020, 77, 524-529.	0.7	0
8	Verification of lithium formate monohydrate in 3D-printed container for electron paramagnetic resonance dosimetry in radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 811-818.	1.3	1
9	Analysis of the Effect of Tomotherapy Plan Parameters on Patient-Specific Delivery Quality Assurance (DQA). Journal of the Korean Physical Society, 2019, 75, 1043-1047.	0.7	1
10	Dosimetric comparison between modulated arc therapy and static intensity modulated radiotherapy in thoracic esophageal cancer: a single institutional experience. Radiation Oncology Journal, 2018, 36, 63-70.	1.5	10
11	Development of an Algorithm for Predicting the Thermal Distribution by using CT Image and the Specific Absorption Rate. Journal of the Korean Physical Society, 2018, 73, 1584-1588.	0.7	2
12	Development of Tissue Equivalent Materials for a Multi-modality (CT&MRI) Phantom in MRI-guided Radiation Treatment. Journal of the Korean Physical Society, 2018, 73, 1012-1018.	0.7	0
13	Comparison of spinal Stereotactic Body Radiotherapy (SBRT) planning techniques: intensity-modulated radiation therapy, modulated arc therapy, and helical tomotherapy. Medical Dosimetry, 2017, 42, 210-215.	0.9	6
14	A real time cost effective geometry calibration method for isocenter tracking of a rotating gantry using optical vision sensors. Microsystem Technologies, 2017, 23, 5171-5183.	2.0	0
15	Image similarity evaluation of the bulk-density-assigned synthetic CT derived from MRI of intracranial regions for radiation treatment. PLoS ONE, 2017, 12, e0185082.	2.5	6
16	Evaluation of the clinical usefulness of modulated arc treatment. Journal of the Korean Physical Society, 2015, 67, 232-236.	0.7	2
17	Evaluation of the Elekta Symmetry™ 4D IGRT system by using a moving lung phantom. Journal of the Korean Physical Society, 2015, 67, 260-263.	0.7	1
18	Evaluation of the EDGE detector in small-field dosimetry. Journal of the Korean Physical Society, 2013, 63, 128-134.	0.7	6

#	Article	IF	Citations
19	Tomotherapy planning and image registration for planning CT image slice thickness for stereotactic radiosurgery. Journal of the Korean Physical Society, 2012, 60, 137-141.	0.7	0
20	Dosimetric comparison of helical tomothearpy and linac-based IMRT in whole abdomen radiotherapy. Journal of the Korean Physical Society, 2012, 61, 1131-1136.	0.7	0
21	Dosimetric comparison of stereotactic body radiotherapy for spinal metastasis in cyberknife and helical tomotherapy. Journal of the Korean Physical Society, 2012, 61, 2049-2053.	0.7	0
22	Measurement of Beam Data for Small Radiosurgical Fields: Comparison of CyberKnife Multi-sites in Korea. Progress in Nuclear Science and Technology, 2011, 1, 537-540.	0.3	5