

Yang-Kyun Park

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

449
citations

933447

10
h-index

713466

21
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docs citations

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times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Beam angle optimization using angular dependency of range variation assessed via water equivalent path length (WEPL) calculation for head and neck proton therapy. <i>Physica Medica</i> , 2020, 69, 19-27.	0.7	10
2	Evaluation of an a priori scatter correction algorithm for cone-beam computed tomography based range and dose calculations in proton therapy. <i>Physics and Imaging in Radiation Oncology</i> , 2020, 16, 89-94.	2.9	9
3	Convolutional neural network based proton stopping-power-ratio estimation with dual-energy CT: a feasibility study. <i>Physics in Medicine and Biology</i> , 2020, 65, 215016.	3.0	3
4	Kilovoltage projection streaming-based tracking application (KiPSTA): First clinical implementation during spine stereotactic radiation surgery. <i>Advances in Radiation Oncology</i> , 2018, 3, 682-692.	1.2	3
5	Water equivalent path length calculations using scatter-corrected head and neck CBCT images to evaluate patients for adaptive proton therapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 59-72.	3.0	22
6	Investigating deformable image registration and scatter correction for CBCT-based dose calculation in adaptive IMPT. <i>Medical Physics</i> , 2016, 43, 5635-5646.	3.0	92
7	Investigation of cone-beam CT image quality trade-off for image-guided radiation therapy. <i>Physics in Medicine and Biology</i> , 2016, 61, 3317-3346.	3.0	6
8	Gain Correction for an X-ray Imaging System With a Movable Flat Panel Detector and Intrinsic Localization Crosshair. <i>Technology in Cancer Research and Treatment</i> , 2016, 15, 387-395.	1.9	3
9	Multileaf collimator tongue-and-groove effect on depth and off-axis doses: A comparison of treatment planning data with measurements and Monte Carlo calculations. <i>Medical Dosimetry</i> , 2015, 40, 271-278.	0.9	4
10	Proton dose calculation on scatter-corrected CBCT image: Feasibility study for adaptive proton therapy. <i>Medical Physics</i> , 2015, 42, 4449-4459.	3.0	107
11	SUâ€¢â€¢â€¢219: Comprehensive Validation of the Electron Monte Carlo Dose Calculation Algorithm in RayStation Treatment Planning System for An Elekta Linear Accelerator with Agility™ Treatment Head. <i>Medical Physics</i> , 2015, 42, 3382-3382.	3.0	1
12	SUâ€¢â€¢â€¢207â€¢05: Real-time Intrafractional Motion Tracking During VMAT Delivery Using a Conventional Elekta CBCT System. <i>Medical Physics</i> , 2015, 42, 3219-3219.	3.0	0
13	Motion management within two respiratory-gating windows: feasibility study of dual quasi-breath-hold technique in gated medical procedures. <i>Physics in Medicine and Biology</i> , 2014, 59, 6583-6594.	3.0	10
14	A new plan quality index for dose painting radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 316-325.	1.9	16
15	Preliminary investigation of CBCT imaging optimization for Image-guided radiation therapy. , 2014, , .		0
16	Dosimetric effect of CT contrast agent in CyberKnife treatment plans. <i>Radiation Oncology</i> , 2013, 8, 244.	2.7	10
17	Development of real-time motion verification system using in-room optical images for respiratory-gated radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 25-42.	1.9	9
18	A multi-institutional study for tolerance and action levels of IMRT dose quality assurance measurements in Korea. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 24-37.	1.9	11

#	ARTICLE	IF	CITATIONS
19	C-Arm Cone-Beam CT-Guided Percutaneous Transthoracic Needle Biopsy of Small ($\leq 20\text{ mm}$) Lung Nodules: Diagnostic Accuracy and Complications in 161 Patients. American Journal of Roentgenology, 2012, 199, W322-W330.	2.2	94
20	Development of an optical-based image guidance system: Technique detecting external markers behind a full facemask. Medical Physics, 2011, 38, 3006-3012.	3.0	8
21	Quasi-breath-hold technique using personalized audio-visual biofeedback for respiratory motion management in radiotherapy. Medical Physics, 2011, 38, 3114-3124.	3.0	19
22	External Auditing on Absorbed Dose Using a Solid Water Phantom for Domestic Radiotherapy Facilities. The Journal of the Korean Society for Therapeutic Radiology and Oncology, 2010, 28, 50.	0.1	4
23	Potential use of ^{32}P ophthalmic applicator: Monte Carlo simulations for design and dosimetry. Medical Physics, 2008, 35, 1854-1858.	3.0	8