Chae-Seon Hong

List of Publications by Year
in descending order

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37 papers	334 citations	1051969 10 h-index	993246 17 g-index
38 all docs	38 docs citations	38 times ranked	575 citing authors

#	Article	IF	Citations
1	Performance Evaluation of Deformable Image Registration Algorithms Using Computed Tomography of Multiple Lung Metastases. Technology in Cancer Research and Treatment, 2022, 21, 153303382210784.	0.8	2
2	A pilot study of a novel method to visualize three-dimensional dose distribution on skin surface images to evaluate radiation dermatitis. Scientific Reports, 2022, 12, 2729.	1.6	3
3	Synthetic contrast-enhanced computed tomography generation using a deep convolutional neural network for cardiac substructure delineation in breast cancer radiation therapy: a feasibility study. Radiation Oncology, 2022, 17, 83.	1.2	5
4	Risk of Hypothyroidism in Women After Radiation Therapy for Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 110, 462-472.	0.4	17
5	Development and Performance Evaluation of Wearable Respiratory Self-Training System Using Patch Type Magnetic Sensor. Frontiers in Oncology, 2021, 11, 680147.	1.3	1
6	Development of a Tongue Immobilization Device Using a 3D Printer for Intensity Modulated Radiation Therapy of Nasopharyngeal Cancer Patients. Cancer Research and Treatment, 2021, 53, 45-54.	1.3	4
7	Tongue Displacement Device in Decreasing the Radiation Dose to Tongue and Preventing Proton Beam Overshoot in Proton Therapy for Unilateral Head and Neck Cancer. Frontiers in Physics, 2021, 9, .	1.0	1
8	Development of a Margin Determination Framework for Tumor-Tracking Radiation Therapy With Intraoperatively Implanted Fiducial Markers. Frontiers in Oncology, 2021, 11, 753246.	1.3	0
9	Image quality of 4D in-treatment CBCT acquired during lung SBRT using FFF beam: a phantom study. Radiation Oncology, 2020, 15, 224.	1.2	2
10	Commissioning and clinical implementation of Mobius3D and MobiusFX: Experience on multiple linear accelerators. Physica Medica, 2020, 80, 1-9.	0.4	4
11	Assessment of dosimetric leaf gap correction factor in Mobius3D commissioning affected by couch top. Physical and Engineering Sciences in Medicine, 2020, 43, 1069-1075.	1.3	2
12	A Retrospective Dosimetric Analysis of the New ESTRO-ACROP Target Volume Delineation Guidelines for Postmastectomy Volumetric Modulated Arc Therapy After Implant-Based Immediate Breast Reconstruction. Frontiers in Oncology, 2020, 10, 578921.	1.3	10
13	Statistical Analysis of Treatment Planning Parameters for Prediction of Delivery Quality Assurance Failure for Helical Tomotherapy. Technology in Cancer Research and Treatment, 2020, 19, 153303382097969.	0.8	1
14	Detailed evaluation of Mobius3D dose calculation accuracy for volumetric-modulated arc therapy. Physica Medica, 2020, 74, 125-132.	0.4	17
15	Dosimetric Comparison of Four Commercial Patient-Specific Quality Assurance Devices for Helical Tomotherapy. Journal of the Korean Physical Society, 2020, 76, 257-263.	0.3	3
16	TomoMQA: Automated analysis program for MVCT quality assurance of helical tomotherapy. Journal of Applied Clinical Medical Physics, 2020, 21, 151-157.	0.8	1
17	Initial Experience of Patient-Specific QA for Wobbling and Line-Scanning Proton Therapy at Samsung Medical Center. Progress in Medical Physics, 2019, 30, 14.	0.5	3
18	Dosimetric Effects of Intrafractional Organ Motion in Field-in-Field Technique for Whole-Breast Irradiation. Progress in Medical Physics, 2019, 30, 65.	0.5	4

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19	Development of a semi-customized tongue displacement device using a 3D printer for head and neck IMRT. Radiation Oncology, 2019, 14, 79.	1.2	13
20	Feasibility of hybrid TomoHelical- and TomoDirect-based volumetric gradient matching technique for total body irradiation. Radiation Oncology, 2019, 14, 233.	1.2	7
21	Proton range verification in inhomogeneous tissue: Treatment planning system vs. measurement vs. Monte Carlo simulation. PLoS ONE, 2018, 13, e0193904.	1.1	9
22	Development of patient-specific phantoms for verification of stereotactic body radiation therapy planning in patients with metallic screw fixation. Scientific Reports, 2017, 7, 40922.	1.6	15
23	Abstract ID: 29 Assessment of neutron dose equivalent during line scanning proton therapy using dynamic multi-leaf collimator. Physica Medica, 2017, 42, 48-49.	0.4	0
24	Normal lung sparing Tomotherapy technique in stage III lung cancer. Radiation Oncology, 2017, 12, 167.	1.2	4
25	Efficacy and Accuracy of Patient Specific Customize Bolus Using a 3-Dimensional Printer for Electron Beam Therapy. Progress in Medical Physics, 2016, 27, 64.	0.4	3
26	Analysis of Treatment and Delay Times by Disease Site and Delivery Technique at Samsung Medical Center: Proton Therapy Center. Progress in Medical Physics, 2016, 27, 258.	0.4	2
27	Effect of Radiation Therapy Techniques on Outcome in N3-positive IIIB Non-small Cell Lung Cancer Treated with Concurrent Chemoradiotherapy. Cancer Research and Treatment, 2016, 48, 106-114.	1.3	19
28	Carotid-Sparing TomoHelical 3-Dimensional Conformal Radiotherapy for Early Glottic Cancer. Cancer Research and Treatment, 2016, 48, 63-70.	1.3	10
29	Development of a 3D optical scanning-based automatic quality assurance system for proton range compensators. Medical Physics, 2015, 42, 1071-1079.	1.6	6
30	The first private-hospital based proton therapy center in Korea; status of the Proton Therapy Center at Samsung Medical Center. Radiation Oncology Journal, 2015, 33, 337.	0.7	40
31	Dosimetric effects of multileaf collimator leaf width on intensityâ€modulated radiotherapy for head and neck cancer. Medical Physics, 2014, 41, 021712.	1.6	28
32	Risk of secondary cancers from scattered radiation during intensity-modulated radiotherapies for hepatocellular carcinoma. Radiation Oncology, 2014, 9, 109.	1.2	24
33	New Technique for Developing a Proton Range Compensator With Use of a 3-Dimensional Printer. International Journal of Radiation Oncology Biology Physics, 2014, 88, 453-458.	0.4	55
34	Different effects of bladder distention on point A-based and 3D-conformal intracavitary brachytherapy planning for cervical cancer. Journal of Radiation Research, 2013, 54, 349-356.	0.8	12
35	Development of a video-guided real-time patient motion monitoring system. Medical Physics, 2012, 39, 2396-2404.	1.6	7
36	SU-E-T-292: New Technique for Developing Proton Range Compensator Using Three-Dimensional Printer. Medical Physics, 2012, 39, 3770-3771.	1.6	0

#	Article	IF	Citations
37	SU-E-J-172: Development of a Video Guided Real-Time Patient Motion Monitoring System for Helical Tomotherpay. Medical Physics, 2012, 39, 3692-3692.	1.6	0