Jin-Beom Chung

List of Publications by Year
in descending order

35	203	1163117 8	1125743 13
papers	citations	h-index	g-index

37	37	37	308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hippocampus-sparing radiotherapy using volumetric modulated arc therapy (VMAT) to the primary brain tumor: the result of dosimetric study and neurocognitive function assessment. Radiation Oncology, 2018, 13, 29.	2.7	27
2	Comparison of VMATâ€SABR treatment plans with flattening filter (FF) and flattening filterâ€free (FFF) beam for localized prostate cancer. Journal of Applied Clinical Medical Physics, 2015, 16, 302-313.	1.9	18
3	Dosimetric effects of the acuros XB and anisotropic analytical algorithm on volumetric modulated arc therapy planning for prostate cancer using an endorectal balloon. Radiation Oncology, 2015, 10, 48.	2.7	15
4	Elective pelvic versus prostate bed-only salvage radiotherapy following radical prostatectomy. Strahlentherapie Und Onkologie, 2015, 191, 801-809.	2.0	15
5	Development of a deformable lung phantom with 3Dâ€printed flexible airways. Medical Physics, 2020, 47, 898-908.	3.0	14
6	Inclined head position improves dose distribution during hippocampal-sparing whole brain radiotherapy using VMAT. Strahlentherapie Und Onkologie, 2016, 192, 473-480.	2.0	12
7	Surface dose measurements from air gaps under a bolus by using a MOSFET dosimeter in clinical oblique photon beams. Journal of the Korean Physical Society, 2012, 61, 1143-1147.	0.7	10
8	Dosimetric and radiobiological comparison in different dose calculation grid sizes between Acuros XB and anisotropic analytical algorithm for prostate VMAT. PLoS ONE, 2018, 13, e0207232.	2.5	10
9	Stereotactic ablative body radiotherapy boost for cervical cancer when brachytherapy boost is not feasible. Radiation Oncology, 2021, 16, 148.	2.7	9
10	Comparison of the performance between portal dosimetry and a commercial two-dimensional array system on pretreatment quality assurance for volumetric-modulated arc and intensity-modulated radiation therapy. Journal of the Korean Physical Society, 2014, 64, 1207-1212.	0.7	8
11	Comparison of target coverage and dose to organs at risk between simultaneous integrated-boost whole-field intensity-modulated radiation therapy and junctioned intensity-modulated radiation therapy with a conventional radiotherapy field in treatment of nasopharyngeal carcinoma. Radiological Physics and Technology, 2011, 4, 180-184.	1.9	7
12	Dosimetric effects of endorectal balloons on intensity-modulated radiation therapy plans for prostate cancer. Journal of the Korean Physical Society, 2013, 63, 1637-1643.	0.7	7
13	Comparison of Dosimetric Performance among Commercial Quality Assurance Systems for Verifying Pretreatment Plans of Stereotactic Body Radiotherapy Using Flattening-Filter-Free Beams. Journal of Korean Medical Science, 2016, 31, 1742.	2.5	7
14	Clinical assessment of the jaw-tracking function in IMRT for a brain tumor. Journal of the Korean Physical Society, 2015, 66, 295-300.	0.7	5
15	Comparison of Anisotropic Analytic Algorithm Plan and Acuros XB Plan for Lung Stereotactic Ablative Radiotherapy Using Flattening Filter-Free Beams. Progress in Medical Physics, 2014, 25, 210.	0.4	4
16	Evaluation of Dual-channel Compound Method for EBT3 Film Dosimetry. Progress in Medical Physics, 2017, 28, 16.	0.4	4
17	Comparison of Dosimetrical and Radiobiological Parameters on Three VMAT Techniques for Left-Sided Breast Cancer. Progress in Medical Physics, 2019, 30, 7.	0.3	4
18	Dosimetric comparison of a 6-MV flattening-filter and a flattening-filter-free beam for lung stereotactic ablative radiotherapy treatment. Journal of the Korean Physical Society, 2015, 67, 1672-1678.	0.7	3

#	Article	IF	Citations
19	Dosimetric accuracy of AAA and acuros XB dose calculations within an air cavity for small fields of a 6-MV flattening filter-free beam. Journal of the Korean Physical Society, 2015, 67, 2138-2145.	0.7	3
20	Dosimetric and Radiobiological Evaluation of Dose Volume Optimizer (DVO) and Progressive Resolution Optimizer (PRO) Algorithm against Photon Optimizer on IMRT and VMAT Plan for Prostate Cancer. Progress in Medical Physics, 2018, 29, 106.	0.3	3
21	Development of Volumetric Independent Dose Calculation System for Verification of the Treatment Plan in Image-Guided Adaptive Brachytherapy. Frontiers in Oncology, 2020, 10, 609.	2.8	3
22	Comparison of dosimetric and radiobiological parameters on plans for prostate stereotactic body radiotherapy using an endorectal balloon for different dose-calculation algorithms and delivery-beam modes. Journal of the Korean Physical Society, 2017, 70, 424-430.	0.7	2
23	Dose Super-Resolution in Prostate Volumetric Modulated Arc Therapy Using Cascaded Deep Learning Networks. Frontiers in Oncology, 2020, 10, 593381.	2.8	2
24	Characteristics of Megavoltage Electron Beams Directed through Silicone for Bolus Electron Therapy. Journal of the Korean Physical Society, 2020, 76, 182-189.	0.7	2
25	Evaluation of a new foetal shielding device for pregnant brain tumour patients. Radiation Oncology, 2021, 16, 109.	2.7	2
26	Possibility of Interchanging Patients for Beam-Matched Linear Accelerators from the Same Vendor. Journal of the Korean Physical Society, 2019, 75, 628-635.	0.7	1
27	Performance Evaluation of a Transmission Reference Detector for Commissioning Beam Data in a Wedge Field. Journal of the Korean Physical Society, 2019, 74, 405-413.	0.7	1
28	Feasibility Study of Deep Learning Tumor Segmentation for a Merged Tumor Dataset: Head & Neck and Limbs. Journal of the Korean Physical Society, 2020, 77, 1049-1054.	0.7	1
29	Development of Dosimetric Verification System for Patient-Specific Quality Assurance of High-Dose-Rate Brachytherapy. Frontiers in Oncology, 2021, 11, 647222.	2.8	1
30	Four-dimensional inverse-geometry computed tomography: a preliminary study. Physics in Medicine and Biology, 2021, 66, 065028.	3.0	1
31	Clinical implementation of PerFRACTIONâ„¢ for pre-treatment patient-specific quality assurance. Journal of the Korean Physical Society, 2022, 80, 516-525.	0.7	1
32	Assessment of dose perturbations for metal stent in photon and proton radiotherapy plans for hepatocellular carcinoma. Radiation Oncology, 2022, 17, .	2.7	1
33	Impact of the Use of Homogeneous and Heterogeneous Phantoms in Pretreatment Verification for Volumetric Modulated Arc Radiotherapy. Journal of the Korean Physical Society, 2018, 73, 1001-1006.	0.7	0
34	To propose adding index of achievement (IOA) to IMRT QA process. Radiation Oncology, 2018, 13, 112.	2.7	0
35	Characteristic Evaluation of Pressure Mapping System for Patient Position Monitoring in Radiation Therapy. Progress in Medical Physics, 2021, 32, 153-158.	0.3	0