

Binbin Wu

List of Publications by Year in descending order

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17
papers

1,099
citations

686830

13
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Big Data for Quality Assurance in Radiation Therapy. <i>Seminars in Radiation Oncology</i> , 2019, 29, 326-332.	1.0	20
2	Utilizing historical MLC performance data from trajectory logs and service reports to establish a proactive maintenance model for minimizing treatment disruptions. <i>Medical Physics</i> , 2019, 46, 475-483.	1.6	11
3	Cross-institutional knowledge-based planning (KBP) implementation and its performance comparison to Auto-Planning Engine (APE). <i>Radiotherapy and Oncology</i> , 2017, 123, 57-62.	0.3	49
4	Predictors of acute urinary symptom flare following stereotactic body radiation therapy (SBRT) in the definitive treatment of localized prostate cancer. <i>Acta Oncologica</i> , 2017, 56, 1136-1138.	0.8	13
5	Late urinary toxicity modeling after stereotactic body radiotherapy (SBRT) in the definitive treatment of localized prostate cancer. <i>Acta Oncologica</i> , 2016, 55, 52-58.	0.8	35
6	Parotid gland shrinkage during IMRT predicts the time to Xerostomia resolution. <i>Radiation Oncology</i> , 2015, 10, 19.	1.2	23
7	Improved robotic stereotactic body radiation therapy plan quality and planning efficacy for organ-confined prostate cancer utilizing overlap-volume histogram-driven planning methodology. <i>Radiotherapy and Oncology</i> , 2014, 112, 221-226.	0.3	44
8	An overlap-volume histogram based method for rectal dose prediction and automated treatment planning in the external beam prostate radiotherapy following hydrogel injection. <i>Medical Physics</i> , 2013, 40, 011709.	1.6	72
9	Using overlap volume histogram and IMRT plan data to guide and automate VMAT planning: A head-and-neck case study. <i>Medical Physics</i> , 2013, 40, 021714.	1.6	75
10	Fully Automated Simultaneous Integrated Boosted Intensity Modulated Radiation Therapy Treatment Planning Is Feasible for Head-and-Neck Cancer: A Prospective Clinical Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e647-e653.	0.4	83
11	Increased organ sparing using shape-based treatment plan optimization for intensity modulated radiation therapy of pancreatic adenocarcinoma. <i>Radiotherapy and Oncology</i> , 2012, 102, 38-44.	0.3	93
12	Comment on "A planning quality evaluation tool for prostate adaptive IMRT based on machine learning" [Med. Phys. 38, 719 (2011)]. <i>Medical Physics</i> , 2011, 38, 2820-2820.	1.6	8
13	Volumetric Change of Selected Organs at Risk During IMRT for Oropharyngeal Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 161-168.	0.4	49
14	Data-Driven Approach to Generating Achievable Dose-Volume Histogram Objectives in Intensity-Modulated Radiotherapy Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1241-1247.	0.4	219
15	A Statistical Approach for Achievable Dose Querying in IMRT Planning. <i>Lecture Notes in Computer Science</i> , 2010, 13, 521-528.	1.0	8
16	Patient geometry-driven information retrieval for IMRT treatment plan quality control. <i>Medical Physics</i> , 2009, 36, 5497-5505.	1.6	250
17	A Shape Relationship Descriptor for Radiation Therapy Planning. <i>Lecture Notes in Computer Science</i> , 2009, 12, 100-108.	1.0	47