Binbin Wu

List of Publications by Year in descending order

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17	1,099	686830 13	887659 17
papers	citations	h-index	g-index

17	17	17	906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Patient geometryâ€driven information retrieval for IMRT treatment plan quality control. Medical Physics, 2009, 36, 5497-5505.	1.6	250
2	Data-Driven Approach to Generating Achievable Doseâ€“Volume Histogram Objectives in Intensity-Modulated Radiotherapy Planning. International Journal of Radiation Oncology Biology Physics, 2011, 79, 1241-1247.	0.4	219
3	Increased organ sparing using shape-based treatment plan optimization for intensity modulated radiation therapy of pancreatic adenocarcinoma. Radiotherapy and Oncology, 2012, 102, 38-44.	0.3	93
4	Fully Automated Simultaneous Integrated Boostedâ€“Intensity Modulated Radiation Therapy Treatment Planning Is Feasible for Head-and-Neck Cancer: A Prospective Clinical Study. International Journal of Radiation Oncology Biology Physics, 2012, 84, e647-e653.	0.4	83
5	Using overlap volume histogram and IMRT plan data to guide and automate VMAT planning: A head-and-neck case study. Medical Physics, 2013, 40, 021714.	1.6	75
6	An overlapâ€volumeâ€histogram based method for rectal dose prediction and automated treatment planning in the external beam prostate radiotherapy following hydrogel injection. Medical Physics, 2013, 40, 011709.	1.6	72
7	Volumetric Change of Selected Organs at Risk During IMRT for Oropharyngeal Cancer. International Journal of Radiation Oncology Biology Physics, 2011, 80, 161-168.	0.4	49
8	Cross-institutional knowledge-based planning (KBP) implementation and its performance comparison to Auto-Planning Engine (APE). Radiotherapy and Oncology, 2017, 123, 57-62.	0.3	49
9	A Shape Relationship Descriptor for Radiation Therapy Planning. Lecture Notes in Computer Science, 2009, 12, 100-108.	1.0	47
10	Improved robotic stereotactic body radiation therapy plan quality and planning efficacy for organ-confined prostate cancer utilizing overlap-volume histogram-driven planning methodology. Radiotherapy and Oncology, 2014, 112, 221-226.	0.3	44
11	Late urinary toxicity modeling after stereotactic body radiotherapy (SBRT) in the definitive treatment of localized prostate cancer. Acta OncolÃ³gica, 2016, 55, 52-58.	0.8	35
12	Parotid gland shrinkage during IMRT predicts the time to Xerostomia resolution. Radiation Oncology, 2015, 10, 19.	1.2	23
13	Use of Big Data for Quality Assurance in Radiation Therapy. Seminars in Radiation Oncology, 2019, 29, 326-332.	1.0	20
14	Predictors of acute urinary symptom flare following stereotactic body radiation therapy (SBRT) in the definitive treatment of localized prostate cancer. Acta OncolÃ³gica, 2017, 56, 1136-1138.	0.8	13
15	Utilizing historical MLC performance data from trajectory logs and service reports to establish a proactive maintenance model for minimizing treatment disruptions. Medical Physics, 2019, 46, 475-483.	1.6	11
16	Comment on â€œA planning quality evaluation tool for prostate adaptive IMRT based on machine learningâ€•[Med. Phys. 38, 719 (2011)]. Medical Physics, 2011, 38, 2820-2820.	1.6	8
17	A Statistical Approach for Achievable Dose Querying in IMRT Planning. Lecture Notes in Computer Science, 2010, 13, 521-528.	1.0	8