Ranjini Tolakanahalli

List of Publications by Year
in descending order

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19 papers	748 citations	1306789 7 h-index	1125271 13 g-index
19 all docs	19 docs citations	19 times ranked	1094 citing authors

#	Article	IF	Citations
1	Hippocampal-Sparing Whole-Brain Radiotherapy: A â€œHow-Toâ€•Technique Using Helical Tomotherapy and Linear Acceleratorâ€“Based Intensity-Modulated Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1244-1252.	0.4	305
2	High temporal resolution and streak-free four-dimensional cone-beam computed tomography. Physics in Medicine and Biology, 2008, 53, 5653-5673.	1.6	140
3	Dose-Limiting Toxicity After Hypofractionated Dose-Escalated Radiotherapy in Nonâ€“Small-Cell Lung Cancer. Journal of Clinical Oncology, 2013, 31, 4343-4348.	0.8	132
4	Streaking artifacts reduction in fourâ€dimensional coneâ€beam computed tomography. Medical Physics, 2008, 35, 4649-4659.	1.6	88
5	The effect and stability of MVCT images on adaptive TomoTherapy. Journal of Applied Clinical Medical Physics, 2010, 11, 4-14.	0.8	32
6	Prior image constrained scatter correction in cone-beam computed tomography image-guided radiation therapy. Physics in Medicine and Biology, 2011, 56, 1015-1030.	1.6	13
7	Systematic evaluation and plan quality assessment of the LeksellÂ® gamma knifeÂ® lightning dose optimizer. Medical Dosimetry, 2021, , .	0.4	10
8	Independent quality assurance of a helical tomotherapy machine using the dose magnifying glass. Medical Physics, 2011, 38, 2256-2264.	1.6	8
9	Adaptive planning using megavoltage fan-beam CT for radiation therapy with testicular shielding. Medical Dosimetry, 2012, 37, 157-162.	0.4	5
10	Time series prediction of lung cancer patients' breathing pattern based on nonlinear dynamics. Physica Medica, 2015, 31, 257-265.	0.4	5
11	Zero Setup Margin Mask versus Frame Immobilization during Gamma KnifeÂ® Iconâ„¢ Stereotactic Radiosurgery for Brain Metastases. Cancers, 2022, 14, 3392.	1.7	5
12	Impact of MRI timing on tumor volume and anatomic displacement for brain metastases undergoing stereotactic radiosurgery. Neuro-Oncology Practice, 2021, 8, 674-683.	1.0	3
13	Exact fan-beam reconstruction via ramp-filtered backprojection and local compensation. , 2005, , .		1
14	In Response to Dr. Knisely and Colleagues. International Journal of Radiation Oncology Biology Physics, 2011, 79, 958.	0.4	1
15	Migration of treatment planning system using existing commissioned planning system. Journal of Radiotherapy in Practice, 2021, 20, 132-138.	0.2	0
16	SU-FF-T-674: Evaluation of An Application to Transfer Tomotherapy Plans to Step-And-Shoot IMRT Plans. Medical Physics, 2009, 36, 2680-2680.	1.6	0
17	SU-FF-T-663: Treatment Plan Comparison Generated by Volumetric Arc Modulation with Helical Tomotherapy and Conventional IMRT for Prostate Cancer Patients. Medical Physics, 2009, 36, 2677-2677.	1.6	0
18	SU-GG-T-24: Adaptive Planning for Neurofibro Sarcoma of Thigh on Helical Tomotherapy. Medical Physics, 2010, 37, 3189-3189.	1.6	0

#	Article	IF	Citations
19	SU-E-J-144: Recurrence Quantification Analysis of Lung Cancer Patients' Breathing Pattern. Medical Physics, 2012, 39, 3685-3686.	1.6	0