

Gregory Smyth

List of Publications by Year in descending order

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papers

318
citations

1307366

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h-index

839398

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29
all docs

29
docs citations

29
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Beam modeling and VMAT performance with the Agility 160-leaf multileaf collimator. Journal of Applied Clinical Medical Physics, 2013, 14, 172-185.	0.8	62
2	Dosimetric comparison of five different techniques for craniospinal irradiation across 15 European centers: analysis on behalf of the SIOP-E-BTG (radiotherapy working group). Acta Oncologica, 2018, 57, 1240-1249.	0.8	59
3	Recent developments in non-coplanar radiotherapy. British Journal of Radiology, 2019, 92, 20180908.	1.0	57
4	Trajectory optimization for dynamic couch rotation during volumetric modulated arc radiotherapy. Physics in Medicine and Biology, 2013, 58, 8163-8177.	1.6	50
5	Non-coplanar trajectories to improve organ at risk sparing in volumetric modulated arc therapy for primary brain tumors. Radiotherapy and Oncology, 2016, 121, 124-131.	0.3	36
6	Clinical challenges in the implementation of a tomotherapy service for head and neck cancer patients in a regional UK radiotherapy centre. British Journal of Radiology, 2011, 84, 358-366.	1.0	11
7	Quality of treatment plans and accuracy of in vivo portal dosimetry in hybrid intensity-modulated radiation therapy and volumetric modulated arc therapy for prostate cancer. Radiotherapy and Oncology, 2016, 120, 320-326.	0.3	8
8	Determining the incidence of interstitial pneumonitis and chronic kidney disease following full intensity haemopoietic stem cell transplant conditioned using a forward-planned intensity modulated total body irradiation technique. Radiotherapy and Oncology, 2021, 158, 97-103.	0.3	8
9	A dose distribution overlay technique for image guidance during prostate radiotherapy. British Journal of Radiology, 2008, 81, 890-896.	1.0	7
10	Dosimetric accuracy of dynamic couch rotation during volumetric modulated arc therapy (DCR-VMAT) for primary brain tumours. Physics in Medicine and Biology, 2019, 64, 08NT01.	1.6	7
11	Comparison of a simple dose-guided intervention technique for prostate radiotherapy with existing anatomical image guidance methods. British Journal of Radiology, 2012, 85, 127-134.	1.0	2
12	PO-0826 A PINNACLE BEAM MODEL FOR THE AGILITY 160-LEAF MULTILEAF COLLIMATOR. Radiotherapy and Oncology, 2012, 103, S322.	0.3	2
13	PO-0893: Dosimetric accuracy and delivery efficiency of dynamic couch rotation VMAT (DCR-VMAT). Radiotherapy and Oncology, 2018, 127, S474.	0.3	2
14	Contouring Variability in Pediatric Abdominal Neuroblastoma: Results of a National Quality Assurance Exercise. International Journal of Radiation Oncology Biology Physics, 2020, 108, e235.	0.4	2
15	Clinical Implementation of Robust Multi-isocentric Volumetric Modulated Arc Radiotherapy for Craniospinal Irradiation. Clinical Oncology, 2022, 34, 211-219.	0.6	2
16	1313 poster CAN SINGLE ARC SMARTARC VMAT REPLACE DMPO-IMRT FOR COMPLEX TARGETS?. Radiotherapy and Oncology, 2011, 99, S491-S492.	0.3	1
17	Dosimetric Effect of Setup Errors on Multiple Isocenter Volumetric Modulated Arc Radiation Therapy for Craniospinal Axis. International Journal of Radiation Oncology Biology Physics, 2014, 90, S838-S839.	0.4	1
18	EP-2031: Kidney motion in children and young people quantified using 4DCT deformable registration. Radiotherapy and Oncology, 2018, 127, S1109-S1110.	0.3	1

