Emma Colvill

List of Publications by Year
in descending order

14 papers	593 citations	840119 11 h-index	1058022 14 g-index
14 all docs	14 docs citations	14 times ranked	653 citing authors

#	Article	IF	Citations
1	The first clinical implementation of electromagnetic transponderâ€guided MLC tracking. Medical Physics, 2014, 41, 020702.	1.6	137
2	A dosimetric comparison of real-time adaptive and non-adaptive radiotherapy: A multi-institutional study encompassing robotic, gimbaled, multileaf collimator and couch tracking. Radiotherapy and Oncology, 2016, 119, 159-165.	0.3	82
3	The first clinical treatment with kilovoltage intrafraction monitoring (KIM): A realâ€time image guidance method. Medical Physics, 2015, 42, 354-358.	1.6	71
4	Multileaf Collimator Tracking Improves Dose Delivery for Prostate Cancer Radiation Therapy: Results of the First Clinical Trial. International Journal of Radiation Oncology Biology Physics, 2015, 92, 1141-1147.	0.4	61
5	Real-Time 3D Image Guidance Using a Standard LINAC: Measured Motion, Accuracy, and Precision of the First Prospective Clinical Trial of Kilovoltage Intrafraction Monitoringâ€“Guided Gating for Prostate Cancer Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 94, 1015-1021.	0.4	48
6	DMLC tracking and gating can improve dose coverage for prostate VMAT. Medical Physics, 2014, 41, 091705.	1.6	43
7	Prostate motion during radiotherapy of prostate cancer patients with and without application of a hydrogel spacer: a comparative study. Radiation Oncology, 2015, 10, 215.	1.2	31
8	MLC tracking for lung SABR reduces planning target volumes and dose to organs at risk. Radiotherapy and Oncology, 2017, 124, 18-24.	0.3	31
9	Quality assurance for the clinical implementation of kilovoltage intrafraction monitoring for prostate cancer VMAT. Medical Physics, 2014, 41, 111712.	1.6	26
10	MagicPlate-512: A 2D silicon detector array for quality assurance of stereotactic motion adaptive radiotherapy. Medical Physics, 2015, 42, 2992-3004.	1.6	21
11	Electromagnetic-Guided MLC Tracking Radiation Therapy for Prostate Cancer Patients: Prospective Clinical Trial Results. International Journal of Radiation Oncology Biology Physics, 2018, 101, 387-395.	0.4	21
12	Performance assessment of a programmable five degrees-of-freedom motion platform for quality assurance of motion management techniques in radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 643-649.	1.4	8
13	The dosimetric effect of residual breath-hold motion in pencil beam scanned proton therapy â€“ An experimental study. Radiotherapy and Oncology, 2019, 134, 135-142.	0.3	7
14	Quantification of intrafraction prostate motion and its dosimetric effect on VMAT. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 317-324.	1.4	6