

# Emma Colvill

## List of Publications by Year in descending order

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Version: 2024-02-01

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