Douglas J Moseley

List of Publications by Year
in descending order

65	4,741	147801 31	138484 58
papers	citations	h-index	g-index

66	66	66	3190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Implementation of free breathing respiratory amplitudeâ€gated treatments. Journal of Applied Clinical Medical Physics, 2021, 22, 119-129.	1.9	5
2	Investigating the Use of 3D Printed Bolus in the Treatment of Skin Cancer at the Stronach Regional Cancer Centre. Journal of Medical Imaging and Radiation Sciences, 2020, 51, S8.	0.3	0
3	Development of a Collaboration Model between Two Cancer Centres to Maintain Patient Access to Radiation Therapy during the Replacement of a Sole CT Simulator at a Regional Cancer Centre. Journal of Medical Imaging and Radiation Sciences, 2019, 50, 206-211.	0.3	0
4	Palliation of Vertebral Metastases with Radiotherapy: Exploration of Volumetric-Modulated Arc Therapy From Development to Implementation in Routine Clinical Practice. Journal of Medical Imaging and Radiation Sciences, 2019, 50, 68-73.	0.3	9
5	2Dâ€“3D registration for cranial radiation therapy using a 3D kV CBCT and a single limited fieldâ€ofâ€view 2D kV radiograph. Medical Physics, 2018, 45, 1794-1810.	3.0	5
6	Evaluation of Bony Anatomy Versus Endobiliary Stents as Surrogates for Volumetric Image Guidance in Pancreatic Cancer. Journal of Medical Imaging and Radiation Sciences, 2017, 48, 352-359.	0.3	1
7	How long does it take? An analysis of volumetric image assessment time. Radiotherapy and Oncology, 2016, 119, 150-153.	0.6	20
8	Development and Implementation of an Electronic Learning Module for Volumetric Image-Guided Radiation Therapy. Journal of Medical Imaging and Radiation Sciences, 2016, 47, 43-48.	0.3	8
9	Intravenous contrast-enhanced cone beam computed tomography (IVCBCT) of intrahepatic tumors and vessels. Advances in Radiation Oncology, 2016, 1, 43-50.	1.2	9
10	Team-based clinical simulation in radiation medicine: value to attitudes and perceptions of interprofessional collaboration. Journal of Radiotherapy in Practice, 2015, 14, 117-125.	0.5	7
11	Prediction of lung density changes after radiotherapy by cone beam computed tomography response markers and pre-treatment factors for non-small cell lung cancer patients. Radiotherapy and Oncology, 2015, 117, 17-22.	0.6	29
12	A novel marker enhancement filter (MEF) for fluoroscopic images. Journal of Physics: Conference Series, 2014, 489, 012038.	0.4	0
13	Quality assurance of asymmetric jaw alignment using 2D diode array. Medical Physics, 2013, 40, 122101.	3.0	1
14	Treatment Planning and Delivery Evaluation of Volumetric Modulated Arc Therapy for Stereotactic Body Radiotherapy of Spinal Tumours: Impact of Arc Discretization in Planning System. Technology in Cancer Research and Treatment, 2012, 11, 599-606.	1.9	9
15	Quality assurance for imageâ€guided radiation therapy utilizing CTâ€based technologies: A report of the AAPM TGâ€179. Medical Physics, 2012, 39, 1946-1963.	3.0	251
16	The Impact of Evolving Image-Guidance Processes on Initial Patient Setup for Lung Radiotherapy. Journal of Medical Imaging and Radiation Sciences, 2011, 42, 66-73.	0.3	1
17	Advanced Technologies in the Radiotherapy Clinic: System Fundamentals. Frontiers of Radiation Therapy and Oncology, 2011, 43, 29-59.	1.4	2
18	Role of Principal Component Analysis in Predicting Toxicity in Prostate Cancer Patients Treated With Hypofractionated Intensity-Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2011, 81, e415-e421.	0.8	25

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19	Tumor Regression and Positional Changes in Non-small Cell Lung Cancer During Radical Radiotherapy. Journal of Thoracic Oncology, 2011, 6, 531-536.	1.1	54
20	Geometric Performance and Efficiency of an Optical Tracking System for Daily Pre-treatment Positioning in Pelvic Radiotherapy Patients. Technology in Cancer Research and Treatment, 2011, 10, 163-170.	1.9	8
21	Setup Reproducibility for Thoracic and Upper Gastrointestinal Radiation Therapy: Influence of Immobilization Method and On-Line Cone-Beam CT Guidance. Medical Dosimetry, 2010, 35, 287-296.	0.9	20
22	Interfraction and Intrafraction Changes in Amplitude of Breathing Motion in Stereotactic Liver Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 77, 918-925.	0.8	93
23	Investigating User Perspective on Training and Clinical Implementation of Volumetric Imaging. Journal of Medical Imaging and Radiation Sciences, 2010, 41, 57-65.	0.3	13
24	The influence of bowtie filtration on coneâ€beam CT image quality. Medical Physics, 2009, 36, 22-32.	3.0	148
25	Accuracy of automatic couch corrections with onâ€line volumetric imaging[*]. Journal of Applied Clinical Medical Physics, 2009, 10, 106-116.	1.9	9
26	Quantifying Interfraction and Intrafraction Tumor Motion in Lung Stereotactic Body Radiotherapy Using Respiration-Correlated Cone Beam Computed Tomography. International Journal of Radiation Oncology Biology Physics, 2009, 75, 688-695.	0.8	149
27	Inter- and Intrafraction Variability in Liver Position in Nonâ€“Breath-Hold Stereotactic Body Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2009, 75, 302-308.	0.8	131
28	Novel dosimetric phantom for quality assurance of volumetric modulated arc therapy. Medical Physics, 2009, 36, 1813-1821.	3.0	113
29	2Dâ€3D registration for prostate radiation therapy based on a statistical model of transmission images. Medical Physics, 2009, 36, 4555-4568.	3.0	19
30	A local shiftâ€variant Fourier model and experimental validation of circular coneâ€beam computed tomography artifacts. Medical Physics, 2009, 36, 500-512.	3.0	47
31	A quality assurance program for image quality of coneâ€beam CT guidance in radiation therapy. Medical Physics, 2008, 35, 1807-1815.	3.0	79
32	Clinical Implementation of Prostate Image Guided Radiation Therapy: A Prospective Study to Define the Optimal Field of Interest and Image Registration Technique Using Automated X-Ray Volumetric Imaging Software. Technology in Cancer Research and Treatment, 2008, 7, 217-226.	1.9	8
33	Improving image-guided target localization through deformable registration. Acta OncolÃ³gica, 2008, 47, 1279-1285.	1.8	49
34	A dual modality phantom for cone beam CT and ultrasound image fusion in prostate implant. Medical Physics, 2008, 35, 2062-2071.	3.0	4
35	Statistical process control for IMRT dosimetric verification. Medical Physics, 2008, 35, 4417-4425.	3.0	73
36	Automated 2Dâ€“3D registration of portal images and CT data using lineâ€segment enhancement. Medical Physics, 2008, 35, 4352-4361.	3.0	13

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37	An empirical method for lag correction in coneâ€beam CT. Medical Physics, 2008, 35, 5187-5196.	3.0	48
38	Softâ€tissue detectability in coneâ€beam CT: Evaluation by 2AFC tests in relation to physical performance metrics. Medical Physics, 2007, 34, 4459-4471.	3.0	28
39	Compensators for dose and scatter management in coneâ€beam computed tomography. Medical Physics, 2007, 34, 2691-2703.	3.0	88
40	Intraoperative cone-beam CT for correction of periaxial malrotation of the femoral shaft: A surface-matching approach. Medical Physics, 2007, 34, 1380-1387.	3.0	29
41	A frequencyâ€based approach to locate common structure for 2Dâ€3D intensityâ€based registration of setup images in prostate radiotherapy. Medical Physics, 2007, 34, 3005-3017.	3.0	8
42	Image Guidance: Treatment Target Localization Systems. , 2007, 40, 72-93.		8
43	A magnetic resonance imaging study of prostate deformation relative to implanted gold fiducial markers. International Journal of Radiation Oncology Biology Physics, 2007, 67, 48-56.	0.8	160
44	Online planning and delivery technique for radiotherapy of spinal metastases using cone-beam CT: Image quality and system performance. International Journal of Radiation Oncology Biology Physics, 2007, 67, 1229-1237.	0.8	87
45	Comparison of localization performance with implanted fiducial markers and cone-beam computed tomography for on-line image-guided radiotherapy of the prostate. International Journal of Radiation Oncology Biology Physics, 2007, 67, 942-953.	0.8	264
46	SUâ€FFâ€Iâ€21: An Empirical Method for Lag Correction in Coneâ€Beam CT. Medical Physics, 2007, 34, 2342-2342.	3.0	2
47	Respiration correlated cone-beam computed tomography and 4DCT for evaluating target motion in Stereotactic Lung Radiation Therapy. Acta OncolÃ³gica, 2006, 45, 915-922.	1.8	110
48	Characterization of scattered radiation in kV CBCT images using Monte Carlo simulations. Medical Physics, 2006, 33, 4320-4329.	3.0	155
49	Intraoperative Cone-beam CT for Guidance of Temporal Bone Surgery. Otolaryngology - Head and Neck Surgery, 2006, 134, 801-808.	1.9	77
50	Guidance for cone-beam CT design: tradeoff between view sampling rate and completeness of scanning trajectories. , 2006, , .		0
51	Feasibility of a novel deformable image registration technique to facilitate classification, targeting, and monitoring of tumor and normal tissue. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1245-1254.	0.8	137
52	Assessment of residual error in liver position using kV cone-beam computed tomography for liver cancer high-precision radiation therapy. International Journal of Radiation Oncology Biology Physics, 2006, 66, 610-619.	0.8	108
53	Medical Physics, 2006, 33, 1398-1411.	3.0	29
54	Patient dose from kilovoltage cone beam computed tomography imaging in radiation therapy. Medical Physics, 2006, 33, 1573-1582.	3.0	275

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55	Intraoperative cone-beam CT for guidance of head and neck surgery: Assessment of dose and image quality using a C-arm prototype. Medical Physics, 2006, 33, 3767-3780.	3.0	186
56	Investigation of C-Arm Cone-Beam CT-Guided Surgery of the Frontal Recess. Laryngoscope, 2005, 115, 2138-2143.	2.0	81
57	Volume CT with a flat-panel detector on a mobile, isocentric C-arm: Pre-clinical investigation in guidance of minimally invasive surgery. Medical Physics, 2005, 32, 241-254.	3.0	275
58	Generalized DQE analysis of radiographic and dual-energy imaging using flat-panel detectors. Medical Physics, 2005, 32, 1397-1413.	3.0	105
59	The stability of mechanical calibration for a kV cone beam computed tomography system integrated	3.0	136
60	A simple, direct method for x-ray scatter estimation and correction in digital radiography and cone-beam CT. Medical Physics, 2005, 33, 187-197.	3.0	246
61	Accurate technique for complete geometric calibration of cone-beam computed tomography systems. Medical Physics, 2005, 32, 968-983.	3.0	241
62	The influence of antiscatter grids on soft-tissue detectability in cone-beam computed tomography with flat-panel detectors. Medical Physics, 2004, 31, 3506-3520.	3.0	192
63	Photodynamic therapy for the treatment of metastatic lesions in bone: studies in rat and porcine models. , 2004, , .		3
64	Spektr: A computational tool for x-ray spectral analysis and imaging system optimization. Medical Physics, 2004, 31, 3057-3067.	3.0	244
65	Incorporation of task in 3D imaging performance evaluation: the impact of asymmetric NPS on detectability. , 2004, , .		7