

Moyed Miften

List of Publications by Year in descending order

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84
papers

3,040
citations

212478

28
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198040

52
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85
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85
docs citations

85
times ranked

3030
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac metabolic changes on ¹⁸ F-positron emission tomography after thoracic radiotherapy predict for overall survival in esophageal cancer patients. <i>Journal of Applied Clinical Medical Physics</i> , 2023, 24, e13552.	0.8	3
2	Results of a Multi-Institutional Phase 2 Clinical Trial for 4DCT-Ventilation Functional Avoidance Thoracic Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 986-995.	0.4	19
3	In Reply to Tsurugai et al.. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 113, 229.	0.4	0
4	Local Control After Stereotactic Body Radiation Therapy for Liver Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 188-195.	0.4	131
5	Radiation Dose-Volume Effects for Liver SBRT. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 196-205.	0.4	67
6	Local Control After Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 160-171.	0.4	32
7	In Reply to Klement et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 250-251.	0.4	0
8	Evaluation of scatter rejection and correction performance of 2D antiscatter grids in cone beam computed tomography. <i>Medical Physics</i> , 2021, 48, 1846-1858.	1.6	13
9	Characterizing spatial differences between SPECT-ventilation and SPECT-perfusion in patients with lung cancer undergoing radiotherapy. <i>Radiotherapy and Oncology</i> , 2021, 160, 120-124.	0.3	5
10	Report of AAPM Task Group 219 on independent calculation-based dose/MU verification for IMRT. <i>Medical Physics</i> , 2021, 48, e808-e829.	1.6	50
11	Simulation of x-ray-induced acoustic imaging for absolute dosimetry: Accuracy of image reconstruction methods. <i>Medical Physics</i> , 2020, 47, 1280-1290.	1.6	18
12	The Current State of Physics Plan Review Training in Medical Physics Residency Programs in North America. <i>Practical Radiation Oncology</i> , 2020, 10, e166-e172.	1.1	3
13	Integration of automation into an existing clinical workflow to improve efficiency and reduce errors in the manual treatment planning process for total body irradiation (TBI). <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 100-106.	0.8	4
14	Evaluating Positron Emission Tomography-Based Functional Imaging Changes in the Heart After Chemo-Radiation for Patients With Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 1063-1070.	0.4	12
15	Technical Note: Deep Learning approach for automatic detection and identification of patient positioning devices for radiation therapy. <i>Medical Physics</i> , 2020, 47, 5061-5069.	1.6	0
16	Optimizing Coded Aperture Imaging techniques to allow for online tracking of fiducial markers with high-energy scattered radiation from treatment beam. <i>Medical Physics</i> , 2020, 47, 4428-4438.	1.6	0
17	Effect of grid geometry on the transmission properties of 2D grids for flat detectors in CBCT. <i>Physics in Medicine and Biology</i> , 2019, 64, 225006.	1.6	12
18	Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators: A Report of the AAPM TG-203. <i>Medical Physics</i> , 2019, 46, e757-e788.	1.6	77

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19	Task Group 174 Report: Utilization of [¹⁸ F]Fluorodeoxyglucose Positron Emission Tomography ([¹⁸ F]Tj ETQq1 1 0.784314 rgBT /Over	1.6	13
20	Objective assessment of the effects of tumor motion in radiation therapy. Medical Physics, 2019, 46, 3311-3323.	1.6	3
21	Quantifying Allowable Motion to Achieve Safe Dose Escalation in Pancreatic SBRT. Practical Radiation Oncology, 2019, 9, e432-e442.	1.1	6
22	A novel total variation based ring artifact suppression method for CBCT imaging with two-dimensional antiscatter grids. Medical Physics, 2019, 46, 2181-2193.	1.6	8
23	Electromagnetic wave propagation in a fast pulse line ion accelerator. Medical Physics, 2019, 46, 5714-5721.	1.6	1
24	The Clinical and Dosimetric Impact of Real-Time Target Tracking in Pancreatic SBRT. International Journal of Radiation Oncology Biology Physics, 2019, 103, 268-275.	0.4	24
25	Characterizing Spatial Lung Function for Esophageal Cancer Patients Undergoing Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 103, 738-746.	0.4	9
26	Image guidance doses delivered during radiotherapy: Quantification, management, and reduction: Report of the <sc>AAPM</sc> Therapy Physics Committee Task Group 180. Medical Physics, 2018, 45, e84-e99.	1.6	104
27	Functional-guided radiotherapy using knowledge-based planning. Radiotherapy and Oncology, 2018, 129, 494-498.	0.3	24
28	Tolerance limits and methodologies for <sc>IMRT</sc> measurement-based verification <sc>QA</sc>: Recommendations of <sc>AAPM</sc> Task Group No. 218. Medical Physics, 2018, 45, e53-e83.	1.6	600
29	Two-dimensional antiscatter grid: A novel scatter rejection device for Cone-beam computed tomography. Medical Physics, 2018, 45, 529-534.	1.6	20
30	Design considerations for a pulse line ion accelerator (<sc>PLIA</sc>) based <sc>PET</sc> isotope generator. Medical Physics, 2018, 45, 3812-3819.	1.6	2
31	Interim Analysis of a Two-Institution, Prospective Clinical Trial of 4DCT-Ventilation-based Functional Avoidance Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1357-1365.	0.4	30
32	Using 4<sc>DCT</sc>-ventilation to characterize lung function changes for pediatric patients getting thoracic radiotherapy. Journal of Applied Clinical Medical Physics, 2018, 19, 407-412.	0.8	3
33	Assessing the use of 4<sc>DCT</sc>-ventilation in preoperative surgical lung cancer evaluation. Medical Physics, 2017, 44, 200-208.	1.6	12
34	Evaluating Which Dose-Function Metrics Are Most Critical for Functional-Guided Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2017, 99, 202-209.	0.4	45
35	Transmission characteristics of a two dimensional antiscatter grid prototype for <sc>CBCT</sc>. Medical Physics, 2017, 44, 3952-3964.	1.6	23
36	A complete 4<sc>DCT</sc>-ventilation functional avoidance virtual trial: Developing strategies for prospective clinical trials. Journal of Applied Clinical Medical Physics, 2017, 18, 144-152.	0.8	27

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37	An evaluation of motion mitigation techniques for pancreatic SBRT. <i>Radiotherapy and Oncology</i> , 2017, 124, 168-173.	0.3	45
38	Automated target tracking in kilovoltage images using dynamic templates of fiducial marker clusters. <i>Medical Physics</i> , 2017, 44, 364-374.	1.6	18
39	Neural network dose models for knowledge-based planning in pancreatic SBRT. <i>Medical Physics</i> , 2017, 44, 6148-6158.	1.6	52
40	Tumor control probability modeling for stereotactic body radiation therapy of early-stage lung cancer using multiple bio-physical models. <i>Radiotherapy and Oncology</i> , 2017, 122, 286-294.	0.3	44
41	Regional Lung Function Profiles of Stage I and III Lung Cancer Patients: An Evaluation for Functional Avoidance Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1273-1280.	0.4	39
42	Simple Factors Associated With Radiation-Induced Lung Toxicity After Stereotactic Body Radiation Therapy of the Thorax: A Pooled Analysis of 88 Studies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1357-1366.	0.4	134
43	Lung deformations and radiation-induced regional lung collapse in patients treated with stereotactic body radiation therapy. <i>Medical Physics</i> , 2015, 42, 6477-6487.	1.6	4
44	Calculating tumor trajectory and dose-of-the-day using cone-beam CT projections. <i>Medical Physics</i> , 2015, 42, 694-702.	1.6	8
45	Clinical Validation of 4-Dimensional Computed Tomography Ventilation With Pulmonary Function Test Data. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 92, 423-429.	0.4	59
46	Adaptive motion mapping in pancreatic SBRT patients using Fourier transforms. <i>Radiotherapy and Oncology</i> , 2015, 115, 217-222.	0.3	16
47	Comparison of 4-Dimensional Computed Tomography Ventilation With Nuclear Medicine Ventilation-Perfusion Imaging: A Clinical Validation Study. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 199-205.	0.4	50
48	Evaluation of threshold and gradient based 18F-fluoro-deoxy-2-glucose hybrid positron emission tomographic image segmentation methods for liver tumor delineation. <i>Practical Radiation Oncology</i> , 2014, 4, 217-225.	1.1	1
49	Comparison of Radiation-Induced Normal Lung Tissue Density Changes for Patients From Multiple Institutions Receiving Conventional or Hypofractionated Treatments. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 626-632.	0.4	16
50	Rotational setup errors in pediatric stereotactic radiation therapy. <i>Practical Radiation Oncology</i> , 2013, 3, 194-198.	1.1	3
51	Effect of induction chemotherapy on estimated risk of radiation pneumonitis in bulky non-small cell lung cancer. <i>Medical Dosimetry</i> , 2013, 38, 320-326.	0.4	7
52	Dosimetric errors during treatment of centrally located lung tumors with stereotactic body radiation therapy: Monte Carlo evaluation of tissue inhomogeneity corrections. <i>Medical Dosimetry</i> , 2013, 38, 436-441.	0.4	9
53	Spatial and dose-response analysis of fibrotic lung changes after stereotactic body radiation therapy. <i>Medical Physics</i> , 2013, 40, 081712.	1.6	19
54	Effect of endorectal balloon positioning errors on target deformation and dosimetric quality during prostate SBRT. <i>Physics in Medicine and Biology</i> , 2013, 58, 7995-8006.	1.6	19

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55	High-dose MVCT image guidance for stereotactic body radiation therapy. <i>Medical Physics</i> , 2012, 39, 4812-4819.	1.6	14
56	Dosimetric and deformation effects of image-guided interventions during stereotactic body radiation therapy of the prostate using an endorectal balloon. <i>Medical Physics</i> , 2012, 39, 3080-3088.	1.6	18
57	Treatment Planning for Stereotactic Body Radiation Therapy. <i>Medical Radiology</i> , 2012, , 91-114.	0.0	0
58	Regional Normal Lung Tissue Density Changes in Patients Treated With Stereotactic Body Radiation Therapy for Lung Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, 1024-1030.	0.4	54
59	Intact performance of a cochlear implant following radiotherapy in a child with acute lymphoblastic leukemia. <i>Practical Radiation Oncology</i> , 2012, 2, 233-236.	1.1	7
60	Quality assurance for image-guided radiation therapy utilizing CT-based technologies: A report of the AAPM TG-179. <i>Medical Physics</i> , 2012, 39, 1946-1963.	1.6	251
61	Advances in Treatment Techniques. <i>Cancer Journal (Sudbury, Mass)</i> , 2011, 17, 177-181.	1.0	27
62	Impact of Induction Chemotherapy on Estimated Risk of Radiation Pneumonitis in Small Cell Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2011, 6, 1553-1562.	0.5	3
63	Dosimetric Effect of Online Image-Guided Anatomical Interventions for Postprostatectomy Cancer Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 623-632.	0.4	12
64	Regional Normal Liver Tissue Density Changes in Patients Treated with Stereotactic Body Radiation Therapy for Liver Metastases. , 2011, , .		0
65	Biological-based optimization and volumetric modulated arc therapy delivery for stereotactic body radiation therapy. <i>Medical Physics</i> , 2011, 39, 237-245.	1.6	29
66	Impact of anatomical interventions on the localization of post-prostatectomy cancer patients. <i>Medical Physics</i> , 2010, 37, 629-637.	1.6	8
67	Long-term Cosmesis After Lumpectomy and Brachytherapy in the Management of Carcinoma of the Previously Irradiated Breast. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2009, 32, 314-318.	0.6	39
68	Breast conservation surgery and interstitial brachytherapy in the management of locally recurrent carcinoma of the breast: The Allegheny General Hospital experience. <i>Brachytherapy</i> , 2008, 7, 29-36.	0.2	37
69	The use of the MammoSite balloon applicator in re-irradiation of the breast. <i>Brachytherapy</i> , 2008, 7, 316-319.	0.2	15
70	Evaluation of a commercial biologically based IMRT treatment planning system. <i>Medical Physics</i> , 2008, 35, 5851-5860.	1.6	95
71	Monitoring tumor motion with on-line mega-voltage cone-beam computed tomography imaging in acinemode. <i>Physics in Medicine and Biology</i> , 2008, 53, 823-836.	1.6	15
72	Comparison of mega-voltage cone-beam computed tomography prostate localization with online ultrasound and fiducial markers methods. <i>Medical Physics</i> , 2008, 35, 531-538.	1.6	32

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73	A genetic algorithm for variable selection in logistic regression analysis of radiotherapy treatment outcomes. <i>Medical Physics</i> , 2008, 35, 5426-5433.	1.6	18
74	Comparison of the KonRad IMRT and XiO treatment planning systems. <i>Journal of Applied Clinical Medical Physics</i> , 2008, 9, 122-135.	0.8	3
75	EUCLID: an outcome analysis tool for high-dimensional clinical studies. <i>Physics in Medicine and Biology</i> , 2007, 52, 1705-1719.	1.6	17
76	Commissioning and clinical implementation of a mega-voltage cone beam CT system for treatment localization. <i>Medical Physics</i> , 2007, 34, 3183-3192.	1.6	53
77	Dosimetric comparison of partial and whole breast external beam irradiation in the treatment of early stage breast cancer. <i>Medical Physics</i> , 2007, 34, 4640-4648.	1.6	12
78	IMRT planning and delivery incorporating daily dose from mega-voltage cone-beam computed tomography imaging. <i>Medical Physics</i> , 2007, 34, 3760-3767.	1.6	44
79	Patient dose and image quality from mega-voltage cone beam computed tomography imaging. <i>Medical Physics</i> , 2007, 34, 499-506.	1.6	78
80	Comparison of RTP dose distributions in heterogeneous phantoms with the beam Monte Carlo simulation system. <i>Journal of Applied Clinical Medical Physics</i> , 2001, 2, 21-31.	0.8	40
81	Comparison of RTP dose distributions in heterogeneous phantoms with the BEAM Monte Carlo simulation system. <i>Journal of Applied Clinical Medical Physics</i> , 2001, 2, 21.	0.8	52
82	Implementation of enhanced dynamic wedge in the focus rtp system. <i>Medical Dosimetry</i> , 2000, 25, 81-86.	0.4	16
83	Implementation and verification of Virtual Wedge in a three-dimensional radiotherapy planning system. <i>Medical Physics</i> , 2000, 27, 1635-1643.	1.6	14
84	Implementation of FFT convolution and multigrid superposition models in the FOCUS RTP system. <i>Physics in Medicine and Biology</i> , 2000, 45, 817-833.	1.6	93