

# Moyed Miften

## List of Publications by Year in descending order

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84  
papers

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186254  
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175241  
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docs citations

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times ranked

2825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac metabolic changes on <sup>18</sup> F-positron emission tomography after thoracic radiotherapy predict for overall survival in esophageal cancer patients. Journal of Applied Clinical Medical Physics, 2023, 24, e13552.	1.9	3
2	Results of a Multi-Institutional Phase 2 Clinical Trial for 4DCT-Ventilation Functional Avoidance Thoracic Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2022, 112, 986-995.	0.8	19
3	In Reply to Tsurugai et al.. International Journal of Radiation Oncology Biology Physics, 2022, 113, 229.	0.8	0
4	Local Control After Stereotactic Body Radiation Therapy for Liver Tumors. International Journal of Radiation Oncology Biology Physics, 2021, 110, 188-195.	0.8	131
5	Radiation Dose-Volume Effects for Liver SBRT. International Journal of Radiation Oncology Biology Physics, 2021, 110, 196-205.	0.8	67
6	Local Control After Stereotactic Body Radiation Therapy for Stage I Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2021, 110, 160-171.	0.8	32
7	In Reply to Klement et al.. International Journal of Radiation Oncology Biology Physics, 2021, 110, 250-251.	0.8	0
8	Evaluation of scatter rejection and correction performance of 2D antiscatter grids in cone beam computed tomography. Medical Physics, 2021, 48, 1846-1858.	3.0	13
9	Characterizing spatial differences between SPECT-ventilation and SPECT-perfusion in patients with lung cancer undergoing radiotherapy. Radiotherapy and Oncology, 2021, 160, 120-124.	0.6	5
10	Report of AAPM Task Group 219 on independent calculation-based dose/MU verification for IMRT. Medical Physics, 2021, 48, e808-e829.	3.0	50
11	Simulation of x-ray-induced acoustic imaging for absolute dosimetry: Accuracy of image reconstruction methods. Medical Physics, 2020, 47, 1280-1290.	3.0	18
12	The Current State of Physics Plan Review Training in Medical Physics Residency Programs in North America. Practical Radiation Oncology, 2020, 10, e166-e172.	2.1	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). Journal of Applied Clinical Medical Physics, 2020, 21, 100-106.	1.9	4
14	Evaluating Positron Emission Tomography-Based Functional Imaging Changes in the Heart After Chemo-Radiation for Patients With Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2020, 106, 1063-1070.	0.8	12
15	Technical Note: Deep Learning approach for automatic detection and identification of patient positioning devices for radiation therapy. Medical Physics, 2020, 47, 5061-5069.	3.0	0
16	Optimizing Coded Aperture Imaging techniques to allow for online tracking of fiducial markers with high-energy scattered radiation from treatment beam. Medical Physics, 2020, 47, 4428-4438.	3.0	0
17	Effect of grid geometry on the transmission properties of 2D grids for flat detectors in CBCT. Physics in Medicine and Biology, 2019, 64, 225006.	3.0	12
18	Management of radiotherapy patients with implanted cardiac pacemakers and defibrillators: A Report of the AAPM TG-203. Medical Physics, 2019, 46, e757-e788.	3.0	77

#	ARTICLE	IF	CITATIONS
19	Task Group 174 Report: Utilization of [ <sup>18</sup> F]Fluorodeoxyglucose Positron Emission Tomography ([ <sup>18</sup> F] FDG PET) for Radiation Therapy Planning. Medical Physics, 2018, 45, 3311-3323.	3.0	13
20	Objective assessment of the effects of tumor motion in radiation therapy. Medical Physics, 2019, 46, 3311-3323.	3.0	3
21	Quantifying Allowable Motion to Achieve Safe Dose Escalation in Pancreatic SBRT. Practical Radiation Oncology, 2019, 9, e432-e442.	2.1	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.	3.0	8
23	Electromagnetic wave propagation in a fast pulse line ion accelerator. Medical Physics, 2019, 46, 5714-5721.	3.0	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.	0.8	24
25	Characterizing Spatial Lung Function for Esophageal Cancer Patients Undergoing Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2019, 103, 738-746.	0.8	9
26	Image guidance doses delivered during radiotherapy: Quantification, management, and reduction: Report of the AAPM Therapy Physics Committee Task Group 180. Medical Physics, 2018, 45, e84-e99.	3.0	104
27	Functional-guided radiotherapy using knowledge-based planning. Radiotherapy and Oncology, 2018, 129, 494-498.	0.6	24
28	Tolerance limits and methodologies for IMRT measurement-based verification QA: Recommendations of AAPM Task Group No. 218. Medical Physics, 2018, 45, e53-e83.	3.0	600
29	Two-dimensional antiscatter grid: A novel scatter rejection device for Cone-beam computed tomography. Medical Physics, 2018, 45, 529-534.	3.0	20
30	Design considerations for a pulse line ion accelerator (PLIA)-based PET isotope generator. Medical Physics, 2018, 45, 3812-3819.	3.0	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.	0.8	30
32	Using 4DCT-ventilation to characterize lung function changes for pediatric patients getting thoracic radiotherapy. Journal of Applied Clinical Medical Physics, 2018, 19, 407-412.	1.9	3
33	Assessing the use of 4DCT-ventilation in preoperative surgical lung cancer evaluation. Medical Physics, 2017, 44, 200-208.	3.0	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.	0.8	45
35	Transmission characteristics of a two dimensional antiscatter grid prototype for CBCT. Medical Physics, 2017, 44, 3952-3964.	3.0	23
36	A complete 4DCT-ventilation functional avoidance virtual trial: Developing strategies for prospective clinical trials. Journal of Applied Clinical Medical Physics, 2017, 18, 144-152.	1.9	27

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37	An evaluation of motion mitigation techniques for pancreatic SBRT. Radiotherapy and Oncology, 2017, 124, 168-173.	0.6	45
38	Automated target tracking in kilovoltage images using dynamic templates of fiducial marker clusters. Medical Physics, 2017, 44, 364-374.	3.0	18
39	Neural network dose models for knowledge-based planning in pancreatic <scp>SBRT</scp>. Medical Physics, 2017, 44, 6148-6158.	3.0	52
40	Tumor control probability modeling for stereotactic body radiation therapy of early-stage lung cancer using multiple bio-physical models. Radiotherapy and Oncology, 2017, 122, 286-294.	0.6	44
41	Regional Lung Function Profiles of Stage I and III Lung Cancer Patients: An Evaluation for Functional Avoidance Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1273-1280.	0.8	39
42	Simple Factors Associated With Radiation-Induced Lung Toxicity After Stereotactic Body Radiation Therapy of the Thorax: A Pooled Analysis of 88 Studies. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1357-1366.	0.8	134
43	Lung deformations and radiation-induced regional lung collapse in patients treated with stereotactic body radiation therapy. Medical Physics, 2015, 42, 6477-6487.	3.0	4
44	Calculating tumor trajectory and dose-of-the-day using cone-beam CT projections. Medical Physics, 2015, 42, 694-702.	3.0	8
45	Clinical Validation of 4-Dimensional Computed Tomography Ventilation With Pulmonary Function Test Data. International Journal of Radiation Oncology Biology Physics, 2015, 92, 423-429.	0.8	59
46	Adaptive motion mapping in pancreatic SBRT patients using Fourier transforms. Radiotherapy and Oncology, 2015, 115, 217-222.	0.6	16
47	Comparison of 4-Dimensional Computed Tomography Ventilation With Nuclear Medicine Ventilation-Perfusion Imaging: A Clinical Validation Study. International Journal of Radiation Oncology Biology Physics, 2014, 89, 199-205.	0.8	50
48	Evaluation of threshold and gradient based 18F-fluoro-deoxy-2-glucose hybrid positron emission tomographic image segmentation methods for liver tumor delineation. Practical Radiation Oncology, 2014, 4, 217-225.	2.1	1
49	Comparison of Radiation-Induced Normal Lung Tissue Density Changes for Patients From Multiple Institutions Receiving Conventional or Hypofractionated Treatments. International Journal of Radiation Oncology Biology Physics, 2014, 89, 626-632.	0.8	16
50	Rotational setup errors in pediatric stereotactic radiation therapy. Practical Radiation Oncology, 2013, 3, 194-198.	2.1	3
51	Effect of induction chemotherapy on estimated risk of radiation pneumonitis in bulky non-small cell lung cancer. Medical Dosimetry, 2013, 38, 320-326.	0.9	7
52	Dosimetric errors during treatment of centrally located lung tumors with stereotactic body radiation therapy: Monte Carlo evaluation of tissue inhomogeneity corrections. Medical Dosimetry, 2013, 38, 436-441.	0.9	9
53	Spatial and dose-response analysis of fibrotic lung changes after stereotactic body radiation therapy. Medical Physics, 2013, 40, 081712.	3.0	19
54	Effect of endorectal balloon positioning errors on target deformation and dosimetric quality during prostate SBRT. Physics in Medicine and Biology, 2013, 58, 7995-8006.	3.0	19

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55	High-dose MVCT image guidance for stereotactic body radiation therapy. Medical Physics, 2012, 39, 4812-4819.	3.0	14
56	Dosimetric and deformation effects of image-guided interventions during stereotactic body radiation therapy of the prostate using an endorectal balloon. Medical Physics, 2012, 39, 3080-3088.	3.0	18
57	Treatment Planning for Stereotactic Body Radiation Therapy. Medical Radiology, 2012, , 91-114.	0.1	0
58	Regional Normal Lung Tissue Density Changes in Patients Treated With Stereotactic Body Radiation Therapy for Lung Tumors. International Journal of Radiation Oncology Biology Physics, 2012, 84, 1024-1030.	0.8	54
59	Intact performance of a cochlear implant following radiotherapy in a child with acute lymphoblastic leukemia. Practical Radiation Oncology, 2012, 2, 233-236.	2.1	7
60	Quality assurance for image-guided radiation therapy utilizing CT-based technologies: A report of the AAPM TG-179. Medical Physics, 2012, 39, 1946-1963.	3.0	251
61	Advances in Treatment Techniques. Cancer Journal (Sudbury, Mass ), 2011, 17, 177-181.	2.0	27
62	Impact of Induction Chemotherapy on Estimated Risk of Radiation Pneumonitis in Small Cell Lung Cancer. Journal of Thoracic Oncology, 2011, 6, 1553-1562.	1.1	3
63	Dosimetric Effect of Online Image-Guided Anatomical Interventions for Postprostatectomy Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2011, 79, 623-632.	0.8	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. Medical Physics, 2011, 39, 237-245.	3.0	29
66	Impact of anatomical interventions on the localization of post-prostatectomy cancer patients. Medical Physics, 2010, 37, 629-637.	3.0	8
67	Long-term Cosmesis After Lumpectomy and Brachytherapy in the Management of Carcinoma of the Previously Irradiated Breast. American Journal of Clinical Oncology: Cancer Clinical Trials, 2009, 32, 314-318.	1.3	39
68	Breast conservation surgery and interstitial brachytherapy in the management of locally recurrent carcinoma of the breast: The Allegheny General Hospital experience. Brachytherapy, 2008, 7, 29-36.	0.5	37
69	The use of the MammoSite balloon applicator in re-irradiation of the breast. Brachytherapy, 2008, 7, 316-319.	0.5	15
70	Evaluation of a commercial biologically based IMRT treatment planning system. Medical Physics, 2008, 35, 5851-5860.	3.0	95
71	Monitoring tumor motion with on-line mega-voltage cone-beam computed tomography imaging in acinemode. Physics in Medicine and Biology, 2008, 53, 823-836.	3.0	15
72	Comparison of mega-voltage cone-beam computed tomography prostate localization with online ultrasound and fiducial markers methods. Medical Physics, 2008, 35, 531-538.	3.0	32

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73	A genetic algorithm for variable selection in logistic regression analysis of radiotherapy treatment outcomes. Medical Physics, 2008, 35, 5426-5433.	3.0	18
74	Comparison of the KonRad IMRT and XiO treatment planning systems. Journal of Applied Clinical Medical Physics, 2008, 9, 122-135.	1.9	3
75	EUCLID: an outcome analysis tool for high-dimensional clinical studies. Physics in Medicine and Biology, 2007, 52, 1705-1719.	3.0	17
76	Commissioning and clinical implementation of a mega-voltage cone beam CT system for treatment localization. Medical Physics, 2007, 34, 3183-3192.	3.0	53
77	Dosimetric comparison of partial and whole breast external beam irradiation in the treatment of early stage breast cancer. Medical Physics, 2007, 34, 4640-4648.	3.0	12
78	IMRT planning and delivery incorporating daily dose from mega-voltage cone-beam computed tomography imaging. Medical Physics, 2007, 34, 3760-3767.	3.0	44
79	Patient dose and image quality from mega-voltage cone beam computed tomography imaging. Medical Physics, 2007, 34, 499-506.	3.0	78
80	Comparison of RTP dose distributions in heterogeneous phantoms with the beam Monte Carlo simulation system. Journal of Applied Clinical Medical Physics, 2001, 2, 21-31.	1.9	40
81	Comparison of RTP dose distributions in heterogeneous phantoms with the BEAM Monte Carlo simulation system. Journal of Applied Clinical Medical Physics, 2001, 2, 21.	1.9	52
82	Implementation of enhanced dynamic wedge in the focus rtp system. Medical Dosimetry, 2000, 25, 81-86.	0.9	16
83	Implementation and verification of Virtual Wedge in a three-dimensional radiotherapy planning system. Medical Physics, 2000, 27, 1635-1643.	3.0	14
84	Implementation of FFT convolution and multigrid superposition models in the FOCUS RTP system. Physics in Medicine and Biology, 2000, 45, 817-833.	3.0	93