

# Mahsheed Sabet

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

465  
citations

759233

12  
h-index

677142

22  
g-index

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all docs

23  
docs citations

23  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of conventional versus customised Eurosil-4 Pink bolus for radiotherapy of the chest wall. PLoS ONE, 2022, 17, e0267741.	2.5	0
2	Deep learning methods for enhancing cone-beam CT image quality toward adaptive radiation therapy: A systematic review. Medical Physics, 2022, 49, 6019-6054.	3.0	22
3	A convolutional neural network for estimating cone-beam CT intensity deviations from virtual CT projections. Physics in Medicine and Biology, 2021, 66, .	3.0	6
4	An Investigation of Multileaf Collimator Performance Dependence on Gantry Angle Using Machine Log Files.. Journal of Medical Physics, 2021, 46, 300-307.	0.3	1
5	Comprehensive investigation into the stability of Varian and Elekta kV imaging systems during arc delivery. Biomedical Physics and Engineering Express, 2020, 6, 065017.	1.2	2
6	Beam focal spot intrafraction motion and gantry angle dependence: A study of Varian linac focal spot alignment. Physica Medica, 2019, 63, 41-47.	0.7	6
7	Shielding design for a Cs-137 rod-type standard point source for well chamber constancy checks. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 951-956.	1.3	1
8	An EPID-based method for comprehensive verification of gantry, EPID and the MLC carriage positional accuracy in Varian linacs during arc treatments. Radiation Oncology, 2014, 9, 249.	2.7	32
9	Transit dosimetry in dynamic IMRT with an a-Si EPID. Medical and Biological Engineering and Computing, 2014, 52, 579-588.	2.8	9
10	Investigation of the sag in linac secondary collimator and MLC carriage during arc deliveries. Physics in Medicine and Biology, 2012, 57, N209-N224.	3.0	17
11	Transit dosimetry in IMRT with an a-Si EPID in direct detection configuration. Physics in Medicine and Biology, 2012, 57, N295-N306.	3.0	12
12	Gantry angle determination during arc IMRT: evaluation of a simple EPID-based technique and two commercial inclinometers. Journal of Applied Clinical Medical Physics, 2012, 13, 203-214.	1.9	15
13	Impact of backscattered radiation from the bunker structure on EPID dosimetry. Journal of Applied Clinical Medical Physics, 2012, 13, 91-100.	1.9	1
14	Detection and correction for EPID and gantry sag during arc delivery using cine EPID imaging. Medical Physics, 2012, 39, 623-635.	3.0	52
15	EPID-based verification of the MLC performance for dynamic IMRT and VMAT. Medical Physics, 2012, 39, 6192-6207.	3.0	44
16	Improvement of Varian a-Si EPID dosimetry measurements using a lead-shielded support-arm. Medical Dosimetry, 2012, 37, 145-151.	0.9	4
17	Verification of the linac isocenter for stereotactic radiosurgery using cine-EPID imaging and arc delivery. Medical Physics, 2011, 38, 3963-3970.	3.0	41
18	Isocenter verification for linac-based stereotactic radiation therapy: review of principles and techniques. Journal of Applied Clinical Medical Physics, 2011, 12, 185-195.	1.9	62

#	ARTICLE	IF	CITATIONS
19	Evaluation of an a-Si EPID in direct detection configuration as a water-equivalent dosimeter for transit dosimetry. <i>Medical Physics</i> , 2010, 37, 1459-1467.	3.0	26
20	Measurement and modeling of the effect of support arm backscatter on dosimetry with a Varian EPID. <i>Medical Physics</i> , 2010, 37, 2269-2278.	3.0	52
21	Reduction of the effect of non-uniform backscatter from an E-type support arm of a Varian a-Si EPID used for dosimetry. <i>Physics in Medicine and Biology</i> , 2010, 55, 6617-6632.	3.0	9
22	Production and Application of Copper Radiopharmaceuticals. <i>Current Radiopharmaceuticals</i> , 2009, 2, 92-101.	0.8	2
23	An overview of copper radionuclides and production of $^{61}\text{Cu}$ by proton irradiation of $\text{natZn}$ at a medical cyclotron. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1563-1573.	1.5	49