Mahsheed Sabet

List of Publications by Year
in descending order

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23 papers	465 citations	759233 12 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	353 citing authors

#	Article	IF	Citations
1	Isocenter verification for linacâ€based stereotactic radiation therapy: review of principles and techniques. Journal of Applied Clinical Medical Physics, 2011, 12, 185-195.	1.9	62
2	Measurement and modeling of the effect of support arm backscatter on dosimetry with a Varian EPID. Medical Physics, 2010, 37, 2269-2278.	3.0	52
3	Detection and correction for EPID and gantry sag during arc delivery using cine EPID imaging. Medical Physics, 2012, 39, 623-635.	3.0	52
4	An overview of copper radionuclides and production of 61Cu by proton irradiation of natZn at a medical cyclotron. Applied Radiation and Isotopes, 2006, 64, 1563-1573.	1.5	49
5	EPIDâ€based verification of the MLC performance for dynamic IMRT and VMAT. Medical Physics, 2012, 39, 6192-6207.	3.0	44
6	Verification of the linac isocenter for stereotactic radiosurgery using cineâ€EPID imaging and arc delivery. Medical Physics, 2011, 38, 3963-3970.	3.0	41
7	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
8	Evaluation of an a-Si EPID in direct detection configuration as a water-equivalent dosimeter for transit dosimetry. Medical Physics, 2010, 37, 1459-1467.	3.0	26
9	Deep learning methods for enhancing coneâ€beam CT image quality toward adaptive radiation therapy: A systematic review. Medical Physics, 2022, 49, 6019-6054.	3.0	22
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	Gantry angle determination during arc IMRT: evaluation of a simple EPIDâ€based technique and two commercial inclinometers. Journal of Applied Clinical Medical Physics, 2012, 13, 203-214.	1.9	15
12	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
13	Reduction of the effect of non-uniform backscatter from an E-type support arm of a Varian a-Si EPID used for dosimetry. Physics in Medicine and Biology, 2010, 55, 6617-6632.	3.0	9
14	Transit dosimetry in dynamic IMRT with an a-Si EPID. Medical and Biological Engineering and Computing, 2014, 52, 579-588.	2.8	9
15	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
16	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
17	Improvement of Varian a-Si EPID dosimetry measurements using a lead-shielded support-arm. Medical Dosimetry, 2012, 37, 145-151.	0.9	4
18	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

#	Article	IF	Citations
19	Production and Application of Copper Radiopharmaceuticals. Current Radiopharmaceuticals, 2009, 2, 92-101.	0.8	2
20	Impact of backscattered radiation from the bunker structure on EPID dosimetry. Journal of Applied Clinical Medical Physics, 2012, 13, 91-100.	1.9	1
21	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
22	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
23	Comparison of conventional versus customised Eurosil-4 Pink bolus for radiotherapy of the chest wall. PLoS ONE, 2022, 17, e0267741.	2.5	0