Syed Ahmad

List of Publications by Year
in descending order

22 papers	269 citations	1163117 8 h-index	940533 16 g-index
22 all docs	22 docs citations	22 times ranked	256 citing authors

#	Article	IF	Citations
1	Surface and near-surface dose measurements at beam entry and exit in a 1.5 T MR-Linac using optically stimulated luminescence dosimeters. Physics in Medicine and Biology, 2020, 65, 045012.	3.0	9
2	Quantifying the impact of lead doping on plastic scintillator response to radiation. Medical Physics, 2019, 46, 4215-4223.	3.0	4
3	Evaluating the biological impact of increased scattered radiation in single and composite field radiation beams. Biomedical Physics and Engineering Express, 2018, 4, 035016.	1.2	1
4	The radiobiological impact of motion tracking of liver, pancreas and kidney SBRT tumors in a MR-linac. Physics in Medicine and Biology, 2018, 63, 215022.	3.0	23
5	Comparison of dosimeter response of TLD-100 and ionization chamber for high energy photon beams at KIRAN Karachi in Pakistan. Egyptian Journal of Radiology and Nuclear Medicine, 2017, 48, 479-483.	0.6	3
6	The dosimetric impact of gadolinium-based contrast media in GBM brain patient plans for a MRI-Linac. Physics in Medicine and Biology, 2017, 62, N362-N374.	3.0	9
7	Magnetic field dose effects on different radiation beam geometries for hypofractionated partial breast irradiation. Journal of Applied Clinical Medical Physics, 2017, 18, 62-70.	1.9	23
8	Experimental evaluation of a GPUâ€based Monte Carlo dose calculation algorithm in the Monaco treatment planning system. Journal of Applied Clinical Medical Physics, 2016, 17, 230-241.	1.9	36
9	Evaluation of a commercial MRI Linac based Monte Carlo dose calculation algorithm with <scp>geant</scp> 4. Medical Physics, 2016, 43, 894-907.	3.0	82
10	Backscatter dose effects for high atomic number materials being irradiated in the presence of a magnetic field: A Monte Carlo study for the MRI linac. Medical Physics, 2016, 43, 4665-4673.	3.0	10
11	TH-AB-BRA-10: The Physics of Interface Effects for Radiation Treatments in a MRI-Linac: A Monte Carlo Study. Medical Physics, 2016, 43, 3855-3856.	3.0	0
12	TH-AB-BRA-03: Backscatter Dose Factors Re-Evaluated for Inhomogeneities in the Presence of a 1.5 T Magnetic Field Using the GPUMCD Monte Carlo Algorithm. Medical Physics, 2016, 43, 3854-3854.	3.0	0
13	SU-F-T-374: Dosimetric Effects of Irradiation Through a Bilateral Hip Prosthesis in a MRI Linac. Medical Physics, 2016, 43, 3549-3549.	3.0	0
14	Poster - 12: Radiological assessment of the secondary barrier shielding for IMRT treatments delivered through patient inhomogeneities. Medical Physics, 2016, 43, 4938-4938.	3.0	0
15	Sci-Sat AM: Radiation Dosimetry and Practical Therapy Solutions - 10: Towards LET detection: A study on the effects of scintillator doping. Medical Physics, 2016, 43, 4961-4961.	3.0	0
16	Factors affecting ultraviolet-A photon emission from Î²-irradiated human keratinocyte cells. Physics in Medicine and Biology, 2015, 60, 6371-6389.	3.0	18
17	Determination of age specific 131I S-factor values for thyroid using anthropomorphic phantom in geant4 simulations. Applied Radiation and Isotopes, 2014, 90, 15-22.	1.5	2
18	Quantification of ultraviolet photon emission from interaction of charged particles in materials of interest in radiation biology research. Nuclear Instruments & Methods in Physics Research B, 2014, 319, 48-54.	1.4	4

#	Article	IF	Citations
19	Particle induced X-ray emission and ion dose distribution in a biological micro-beam: Geant4 Monte Carlo simulations. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 30-37.	1.4	4
20	Ultra-Violet Light Emission from HPV-G Cells Irradiated with Low Let Radiation from ⁹⁰Y; Consequences for Radiation Induced Bystander Effects. Dose-Response, 2013, 11, dose-response.1.	1.6	29
21	Ion beam induced luminescence: Relevance to radiation induced bystander effects. Nuclear Instruments & Methods in Physics Research B, 2012, 288, 81-88.	1.4	10
22	Epidemiology of the breast cancer patients registered at Institute of Radiotherapy and Nuclear Medicine, Peshawar, Pakistan. European Journal of Cancer Care, 2008, 17, 469-476.	1.5	2