

# Syed Ahmad

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

269  
citations

1162367

8  
h-index

940134

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. <i>Physics in Medicine and Biology</i> , 2020, 65, 045012.	1.6	9
2	Quantifying the impact of lead doping on plastic scintillator response to radiation. <i>Medical Physics</i> , 2019, 46, 4215-4223.	1.6	4
3	Evaluating the biological impact of increased scattered radiation in single and composite field radiation beams. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 035016.	0.6	1
4	The radiobiological impact of motion tracking of liver, pancreas and kidney SBRT tumors in a MR-linac. <i>Physics in Medicine and Biology</i> , 2018, 63, 215022.	1.6	23
5	Comparison of dosimeter response of TLD-100 and ionization chamber for high energy photon beams at KIRAN Karachi in Pakistan. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2017, 48, 479-483.	0.3	3
6	The dosimetric impact of gadolinium-based contrast media in GBM brain patient plans for a MRI-Linac. <i>Physics in Medicine and Biology</i> , 2017, 62, N362-N374.	1.6	9
7	Magnetic field dose effects on different radiation beam geometries for hypofractionated partial breast irradiation. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 62-70.	0.8	23
8	Experimental evaluation of a GPU-based Monte Carlo dose calculation algorithm in the Monaco treatment planning system. <i>Journal of Applied Clinical Medical Physics</i> , 2016, 17, 230-241.	0.8	36
9	Evaluation of a commercial MRI Linac based Monte Carlo dose calculation algorithm with <code>geant4</code> . <i>Medical Physics</i> , 2016, 43, 894-907.	1.6	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. <i>Medical Physics</i> , 2016, 43, 4665-4673.	1.6	10
11	TH-AB-BRA-10: The Physics of Interface Effects for Radiation Treatments in a MRI-Linac: A Monte Carlo Study. <i>Medical Physics</i> , 2016, 43, 3855-3856.	1.6	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. <i>Medical Physics</i> , 2016, 43, 3854-3854.	1.6	0
13	SU-F-T-374: Dosimetric Effects of Irradiation Through a Bilateral Hip Prosthesis in a MRI Linac. <i>Medical Physics</i> , 2016, 43, 3549-3549.	1.6	0
14	Poster - 12: Radiological assessment of the secondary barrier shielding for IMRT treatments delivered through patient inhomogeneities. <i>Medical Physics</i> , 2016, 43, 4938-4938.	1.6	0
15	Sci-Sat AM: Radiation Dosimetry and Practical Therapy Solutions - 10: Towards LET detection: A study on the effects of scintillator doping. <i>Medical Physics</i> , 2016, 43, 4961-4961.	1.6	0
16	Factors affecting ultraviolet-A photon emission from $\alpha$ -irradiated human keratinocyte cells. <i>Physics in Medicine and Biology</i> , 2015, 60, 6371-6389.	1.6	18
17	Determination of age specific $^{131}\text{I}$ S-factor values for thyroid using anthropomorphic phantom in <code>geant4</code> simulations. <i>Applied Radiation and Isotopes</i> , 2014, 90, 15-22.	0.7	2
18	Quantification of ultraviolet photon emission from interaction of charged particles in materials of interest in radiation biology research. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 319, 48-54.	0.6	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.	0.6	4
20	Ultra-Violet Light Emission from HPV-C Cells Irradiated with Low Let Radiation from $^{90}\text{Y}$ ; Consequences for Radiation Induced Bystander Effects. Dose-Response, 2013, 11, dose-response.1.	0.7	29
21	Ion beam induced luminescence: Relevance to radiation induced bystander effects. Nuclear Instruments & Methods in Physics Research B, 2012, 288, 81-88.	0.6	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.	0.7	2