HyunJoon Choi

List of Publications by Year
in descending order

14 papers	113 citations	1478505 6 h-index	1281871 11 g-index
14 all docs	14 docs citations	14 times ranked	136 citing authors

#	Article	IF	Citations
1	Experimental evaluation of fuel rod pattern analysis in fuel assembly using Yonsei single-photon emission computed tomography (YSECT). Nuclear Engineering and Technology, 2022, 54, 1982-1990.	2.3	3
2	Long-Term Feasibility of 13.56 MHz Modulated Electro-Hyperthermia-Based Preoperative Thermoradiochemotherapy in Locally Advanced Rectal Cancer. Cancers, 2022, 14, 1271.	3.7	1
3	Preliminary study of artificial intelligence-based fuel-rod pattern analysis of low-quality tomographic image of fuel assembly. Nuclear Engineering and Technology, 2022, , .	2.3	1
4	Development of a direction-sensitive gamma-ray monitoring system using a gamma camera with a dual-sided collimator: A Monte Carlo study. Applied Radiation and Isotopes, 2021, 178, 109937.	1.5	2
5	Radioisotope identification using an energy-weighted algorithm with a proof-of-principle radiation portal monitor based on plastic scintillators. Applied Radiation and Isotopes, 2020, 156, 109010.	1.5	10
6	Development of integrated prompt gamma imaging and positron emission tomography system for <i>in vivo</i> 3-D dose verification: a Monte Carlo study. Physics in Medicine and Biology, 2020, 65, 105005.	3.0	10
7	Evaluation of the influence of physical and chemical parameters on water radiolysis simulations under MeV electron irradiation using Geant4-DNA. Journal of Applied Physics, 2019, 126, .	2.5	34
8	Development of accurate dose evaluation technique of X-ray inspection for quality assurance of semiconductor with Monte Carlo simulation. Applied Radiation and Isotopes, 2019, 154, 108851.	1.5	1
9	Development of a Geant4â€based independent patient dose validation system with an elaborate multileaf collimator simulation model. Journal of Applied Clinical Medical Physics, 2019, 20, 94-106.	1.9	5
10	Determining the energy spectrum of clinical linear accelerator using an optimized photon beam transmission protocol. Medical Physics, 2019, 46, 3285-3297.	3.0	6
11	Development of a PMMA phantom as a practical alternative for quality control of gamma knifeÂ® dosimetry. Radiation Oncology, 2018, 13, 176.	2.7	10
12	Independent dose validation system for Gamma Knife radiosurgery, using a DICOM-RT interface and Geant4. Physica Medica, 2018, 51, 117-124.	0.7	6
13	An effective dose assessment technique with NORM added consumer products using skin-point source on computational human phantom. Applied Radiation and Isotopes, 2016, 118, 56-61.	1.5	9
14	Effective dose evaluation of NORM-added consumer products using Monte Carlo simulations and the ICRP computational human phantoms. Applied Radiation and Isotopes, 2016, 110, 230-235.	1.5	15