

Rui Qiu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Women in radiation (WiR)â€™a perspective for the strengthening of radiation protection. Journal of Radiological Protection, 2022, 42, 010502.	1.1	0
2	Intercomparison of micro- and nanodosimetry Monte Carlo simulations: An approach to assess the influence of different cross-sections for low-energy electrons on the dispersion of results. Radiation Measurements, 2022, 150, 106675.	1.4	5
3	Analysis of Chloroplast Genomes Provides Insights Into the Evolution of Agropyron. Frontiers in Genetics, 2022, 13, 832809.	2.3	10
4	CPU-GPU coupling independent reaction times method in NASIC and application in water radiolysis by FLASH irradiation. Biomedical Physics and Engineering Express, 2022, 8, 025015.	1.2	3
5	An encoder-decoder network for direct image reconstruction on sinograms of a long axial field of view PET. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 4464-4477.	6.4	11
6	THUBrachy: fast Monte Carlo dose calculation tool accelerated by heterogeneous hardware for high-dose-rate brachytherapy. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	4
7	Total-Body PET Images Reconstruction Optimization Using Deep Learning. Nuklearmedizin - NuclearMedicine, 2021, 60, .	0.7	0
8	A Newly Designed Seed-Loading Device for Verifying the Safety of 125I Implants to the Canine Carotid Artery. Radiation Research, 2021, 196, 175-182.	1.5	0
9	Development of a DNA damage model that accommodates different cellular oxygen concentrations and radiation qualities. Medical Physics, 2021, 48, 5511-5521.	3.0	5
10	Consistency checks of results from a Monte Carlo code intercomparison for emitted electron spectra and energy deposition around a single gold nanoparticle irradiated by X-rays. Radiation Measurements, 2021, 147, 106637.	1.4	7
11	Modeling of cellular response after FLASH irradiation: a quantitative analysis based on the radiolytic oxygen depletion hypothesis. Physics in Medicine and Biology, 2021, 66, 185009.	3.0	13
12	Development of Chinese mesh-type pediatric reference phantom series and application in dose assessment of Chinese undergoing computed tomography scanning. Physics in Medicine and Biology, 2021, 66, 195002.	3.0	4
13	Research on X-ray Fluorescence Enhanced Fluoroscopy Imaging Technology. Photonics, 2021, 8, 441.	2.0	3
14	Application of High-Z Gold Nanoparticles in Targeted Cancer Radiotherapyâ€™Pharmacokinetic Modeling, Monte Carlo Simulation and Radiobiological Effect Modeling. Cancers, 2021, 13, 5370.	3.7	9
15	A Computational Model for Oxygen Depletion Hypothesis in FLASH Effect. Radiation Research, 2021, 197, .	1.5	2
16	CMGC: a CAD to Monte Carlo geometry conversion code. Nuclear Science and Techniques/Hewuli, 2020, 31, 1.	3.4	9
17	Intercomparison of dose enhancement ratio and secondary electron spectra for gold nanoparticles irradiated by X-rays calculated using multiple Monte Carlo simulation codes. Physica Medica, 2020, 69, 147-163.	0.7	42
18	New mesh-type phantoms and their dosimetric applications, including emergencies. Annals of the ICRP, 2018, 47, 45-62.	3.8	45

#	ARTICLE	IF	CITATIONS
19	DOSE DISTRIBUTION IN A BREAST UNDERGOING MAMMOGRAPHY BASED ON A 3D DETAILED BREAST MODEL FOR CHINESE WOMEN. Radiation Protection Dosimetry, 2018, 181, 221-228.	0.8	3
20	Multi-scale Dosimetry with Multi-scale Chinese Reference Phantoms. , 2018, , .		0
21	Modelling of Cellular Survival Following Radiation-Induced DNA Double-Strand Breaks. Scientific Reports, 2018, 8, 16202.	3.3	21
22	Establishment of the Detailed Breast Model of Chinese Adult Female and Application in External Radiation Protection. Radiation Protection Dosimetry, 2017, 174, 113-120.	0.8	5
23	Measurements of X-ray doses and spectra produced by picosecond laser-irradiated solid targets. Applied Radiation and Isotopes, 2017, 123, 41-48.	1.5	8
24	ELECTRON ABSORBED FRACTIONS IN AN IMAGE-BASED MICROSCOPIC SKELETAL DOSIMETRY MODEL OF CHINESE ADULT MALE. Radiation Protection Dosimetry, 2017, 175, 450-459.	0.8	4
25	Dose conversion coefficients for Chinese reference adult male and female voxel phantoms from idealized neutron exposures. Journal of Nuclear Science and Technology, 2017, 54, 921-932.	1.3	0
26	Monte Carlo calculation of conversion coefficients for dose estimation in mammography based on a 3D detailed breast model. Medical Physics, 2017, 44, 2503-2514.	3.0	16
27	Characterization of a broad-energy germanium detector for its use in CJPL. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	12
28	Physical Dosimetric Reconstruction of a Radiological Accident at Nanjing (China) for Clinical Treatment Using Thudose. Health Physics, 2017, 113, 327-334.	0.5	15
29	DOSIMETRIC EVALUATION OF LASER-DRIVEN X-RAY AND NEUTRON SOURCES UTILIZING XG-III PS LASER WITH PEAK POWER OF 300 TERAWATT. Radiation Protection Dosimetry, 2017, 177, 302-309.	0.8	3
30	ESTABLISHMENT OF DETAILED EYE MODEL OF ADULT CHINESE MALE AND DOSE CONVERSION COEFFICIENTS CALCULATION UNDER NEUTRON EXPOSURE. Radiation Protection Dosimetry, 2017, 177, 295-301.	0.8	6
31	DNA strand breaks induced by electrons simulated with Nanodosimetry Monte Carlo Simulation Code: NASIC. Radiation Protection Dosimetry, 2015, 166, 38-43.	0.8	24
32	Development of 1-year-old computational phantom and calculation of organ doses during CT scans using Monte Carlo simulation. Physics in Medicine and Biology, 2014, 59, 5243-5260.	3.0	5
33	Comparison of direct DNA strand break simulated with different DNA models. Radiation Protection Dosimetry, 2013, 156, 283-288.	0.8	11
34	Comparison of direct DNA strand breaks induced by low energy electrons with different inelastic cross sections. Nuclear Instruments & Methods in Physics Research B, 2013, 311, 27-36.	1.4	13
35	Organ dose conversion coefficients for external neutron irradiation based on the Chinese mathematical phantom (CMP). Journal of Nuclear Science and Technology, 2012, 49, 263-271.	1.3	3
36	An ICRP-based Chinese adult male voxel model and its absorbed dose for idealized photon exposures—the skeleton. Physics in Medicine and Biology, 2009, 54, 6675-6690.	3.0	13

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37	Dose conversion coefficients based on the Chinese mathematical phantom and MCNP code for external photon irradiation. Radiation Protection Dosimetry, 2009, 134, 3-12.	0.8	7
38	Demagnetization of Nd-Fe-B Permanent Magnet at 2.5 GeV Electron Accelerator. Journal of Nuclear Science and Technology, 2008, 45, 46-49.	1.3	4
39	PHOTON SAF CALCULATION BASED ON THE CHINESE MATHEMATICAL PHANTOM AND COMPARISON WITH THE ORNL PHANTOMS. Health Physics, 2008, 95, 716-724.	0.5	18