

Wei Bo Li

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

315
citations

840776

11
h-index

940533

16
g-index

30
all docs

30
docs citations

30
times ranked

487
citing authors

#	ARTICLE	IF	CITATIONS
1	Intercomparison of dose enhancement ratio and secondary electron spectra for gold nanoparticles irradiated by X-rays calculated using multiple Monte Carlo simulation codes. <i>Physica Medica</i> , 2020, 69, 147-163.	0.7	42
2	Internal microdosimetry of alpha-emitting radionuclides. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 29-62.	1.4	30
3	Determining dose enhancement factors of high-Z nanoparticles from simulations where lateral secondary particle disequilibrium exists. <i>Physics in Medicine and Biology</i> , 2019, 64, 155016.	3.0	25
4	Bayesian model selection validates a biokinetic model for zirconium processing in humans. <i>BMC Systems Biology</i> , 2012, 6, 95.	3.0	19
5	Influence of human biokinetics of strontium on internal ingestion dose of ⁹⁰ Sr and absorbed dose of ⁸⁹ Sr to organs and metastases. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 225-239.	1.4	17
6	Uncertainty and sensitivity analysis of biokinetic models for radiopharmaceuticals used in nuclear medicine. <i>Radiation Protection Dosimetry</i> , 2010, 139, 228-231.	0.8	14
7	Human biokinetic data and a new compartmental model of zirconium – A tracer study with enriched stable isotopes. <i>Science of the Total Environment</i> , 2011, 409, 3701-3710.	8.0	12
8	Uncertainty Quantification in Internal Dose Calculations for Seven Selected Radiopharmaceuticals. <i>Journal of Nuclear Medicine</i> , 2016, 57, 122-128.	5.0	12
9	<p>A New Pharmacokinetic Model Describing the Biodistribution of Intravenously and Intratumorally Administered Superparamagnetic Iron Oxide Nanoparticles (SPIONs) in a GL261 Xenograft Glioblastoma Model</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4677-4689.	6.7	12
10	Internal dose assessment of ²¹⁰ Po using biokinetic modeling and urinary excretion measurement. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 101-110.	1.4	11
11	Radiation dose assessment of exposure to depleted uranium. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2009, 19, 502-514.	3.9	11
12	Microdosimetry and nanodosimetry for internal emitters. <i>Radiation Measurements</i> , 2018, 115, 29-42.	1.4	11
13	Radiopharmacokinetic modelling and radiation dose assessment of ²²³ Ra used for treatment of metastatic castration-resistant prostate cancer. <i>EJNMMI Physics</i> , 2021, 8, 44.	2.7	10
14	Multi-scale Monte Carlo simulations of gold nanoparticle-induced DNA damages for kilovoltage X-ray irradiation in a xenograft mouse model using TOPAS-nBio. <i>Cancer Nanotechnology</i> , 2021, 12, .	3.7	9
15	Application of High-Z Gold Nanoparticles in Targeted Cancer Radiotherapy – Pharmacokinetic Modeling, Monte Carlo Simulation and Radiobiological Effect Modeling. <i>Cancers</i> , 2021, 13, 5370.	3.7	9
16	RELIABILITY OF A NEW BIOKINETIC MODEL OF ZIRCONIUM IN INTERNAL DOSIMETRY: PART I, PARAMETER UNCERTAINTY ANALYSIS. <i>Health Physics</i> , 2011, 101, 660-676.	0.5	8
17	The effect of attenuation map, scatter energy window width, and volume of interest on the calibration factor calculation in quantitative ¹⁷⁷ Lu SPECT imaging: Simulation and phantom study. <i>Physica Medica</i> , 2018, 56, 74-80.	0.7	8
18	RELIABILITY OF A NEW BIOKINETIC MODEL OF ZIRCONIUM IN INTERNAL DOSIMETRY: PART II, PARAMETER SENSITIVITY ANALYSIS. <i>Health Physics</i> , 2011, 101, 677-692.	0.5	7

#	ARTICLE	IF	CITATIONS
19	Biokinetic measurements and modelling of urinary excretion of cerium citrate in humans. Radiation and Environmental Biophysics, 2017, 56, 1-8.	1.4	7
20	Internal Dosimetry. Japanese Journal of Health Physics, 2018, 53, 72-99.	0.1	7
21	Finding sensitive parameters in internal dose calculations for radiopharmaceuticals commonly used in clinical nuclear medicine. Radiation and Environmental Biophysics, 2018, 57, 277-284.	1.4	4
22	A quantitative evaluation of deformable image registration based on MV cone beam CT images: Impact of deformation magnitudes and image modalities. Physica Medica, 2020, 71, 82-87.	0.7	4
23	Evaluation of the Biodistribution of Mesenchymal Stem Cells in a Pre-clinical Renal Tuberculosis Model by Non-linear Magnetic Response Measurements. Frontiers in Physics, 2021, 9, .	2.1	4
24	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
25	Measurement, model prediction and uncertainty quantification of plasma clearance of cerium citrate in humans. Radiation and Environmental Biophysics, 2020, 59, 121-130.	1.4	2
26	A Computational Model for Oxygen Depletion Hypothesis in FLASH Effect. Radiation Research, 2021, 197, .	1.5	2
27	Uncertainty analysis in internal dose calculations for cerium considering the uncertainties of biokinetic parameters and S values. Radiation and Environmental Biophysics, 2020, 59, 663-682.	1.4	1