

Wei Bo Li

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

315
citations

949033

11
h-index

1051228

16
g-index

30
all docs

30
docs citations

30
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Biodistribution of Mesenchymal Stem Cells in a Pre-clinical Renal Tuberculosis Model by Non-linear Magnetic Response Measurements. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	4
2	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.	1.3	10
3	Development of Chinese mesh-type pediatric reference phantom series and application in dose assessment of Chinese undergoing computed tomography scanning. <i>Physics in Medicine and Biology</i> , 2021, 66, 195002.	1.6	4
4	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, .	1.9	9
5	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.	1.7	9
6	A Computational Model for Oxygen Depletion Hypothesis in FLASH Effect. <i>Radiation Research</i> , 2021, 197, .	0.7	2
7	Internal microdosimetry of alpha-emitting radionuclides. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 29-62.	0.6	30
8	Measurement, model prediction and uncertainty quantification of plasma clearance of cerium citrate in humans. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 121-130.	0.6	2
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.	3.3	12
10	Uncertainty analysis in internal dose calculations for cerium considering the uncertainties of biokinetic parameters and S values. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 663-682.	0.6	1
11	A quantitative evaluation of deformable image registration based on MV cone beam CT images: Impact of deformation magnitudes and image modalities. <i>Physica Medica</i> , 2020, 71, 82-87.	0.4	4
12	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.	0.4	42
13	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.	1.6	25
14	Internal Dosimetry. <i>Japanese Journal of Health Physics</i> , 2018, 53, 72-99.	0.1	7
15	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.	0.4	8
16	Microdosimetry and nanodosimetry for internal emitters. <i>Radiation Measurements</i> , 2018, 115, 29-42.	0.7	11
17	Finding sensitive parameters in internal dose calculations for radiopharmaceuticals commonly used in clinical nuclear medicine. <i>Radiation and Environmental Biophysics</i> , 2018, 57, 277-284.	0.6	4
18	Biokinetic measurements and modelling of urinary excretion of cerium citrate in humans. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 1-8.	0.6	7

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19	Uncertainty Quantification in Internal Dose Calculations for Seven Selected Radiopharmaceuticals. <i>Journal of Nuclear Medicine</i> , 2016, 57, 122-128.	2.8	12
20	Bayesian model selection validates a biokinetic model for zirconium processing in humans. <i>BMC Systems Biology</i> , 2012, 6, 95.	3.0	19
21	RELIABILITY OF A NEW BIOKINETIC MODEL OF ZIRCONIUM IN INTERNAL DOSIMETRY: PART II, PARAMETER SENSITIVITY ANALYSIS. <i>Health Physics</i> , 2011, 101, 677-692.	0.3	7
22	RELIABILITY OF A NEW BIOKINETIC MODEL OF ZIRCONIUM IN INTERNAL DOSIMETRY: PART I, PARAMETER UNCERTAINTY ANALYSIS. <i>Health Physics</i> , 2011, 101, 660-676.	0.3	8
23	Human biokinetic data and a new compartmental model of zirconium ⁹⁰ Zr A tracer study with enriched stable isotopes. <i>Science of the Total Environment</i> , 2011, 409, 3701-3710.	3.9	12
24	Uncertainty and sensitivity analysis of biokinetic models for radiopharmaceuticals used in nuclear medicine. <i>Radiation Protection Dosimetry</i> , 2010, 139, 228-231.	0.4	14
25	Radiation dose assessment of exposure to depleted uranium. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2009, 19, 502-514.	1.8	11
26	Internal dose assessment of ²¹⁰ Po using biokinetic modeling and urinary excretion measurement. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 101-110.	0.6	11
27	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.	0.6	17