

# Takuya Furuta

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,904  
citations

933447

10  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1515  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of the DICOM-based Monte Carlo dose reconstruction system for a retrospective study on the secondary cancer risk in carbon ion radiotherapy. <i>Physics in Medicine and Biology</i> , 2022, 67, 145002.	3.0	2
2	Re-evaluation of Radiation-Energy Transfer to an Extraction Solvent in a Minor-Actinide-Separation Process Based on Consideration of Radiation Permeability. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 74-89.	2.0	2
3	Individual dosimetry system for targeted alpha therapy based on PHITS coupled with microdosimetric kinetic model. <i>EJNMMI Physics</i> , 2021, 8, 4.	2.7	19
4	Simulation code for estimating external gamma-ray doses from a radioactive plume and contaminated ground using a local-scale atmospheric dispersion model. <i>PLoS ONE</i> , 2021, 16, e0245932.	2.5	1
5	Technical Note: validation of a material assignment method for a retrospective study of carbon-ion radiotherapy using Monte Carlo simulation. <i>Journal of Radiation Research</i> , 2021, 62, 846-855.	1.6	2
6	Medical application of particle and heavy ion transport code system PHITS. <i>Radiological Physics and Technology</i> , 2021, 14, 215-225.	1.9	15
7	Influence of distant scatterer on air kerma measurement in the evaluation of diagnostic X-rays using Monte Carlo simulation. <i>Radiological Physics and Technology</i> , 2021, 14, 381-389.	1.9	0
8	Dosimetric dependence of ocular structures on eye size and shape for external radiation fields of electrons, photons, and neutrons. <i>Journal of Radiological Protection</i> , 2019, 39, 825-837.	1.1	2
9	PARaDIM: A PHITS-Based Monte Carlo Tool for Internal Dosimetry with Tetrahedral Mesh Computational Phantoms. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1802-1811.	5.0	27
10	Computation Speeds and Memory Requirements of Mesh-Type ICRP Reference Computational Phantoms in Geant4, MCNP6, and PHITS. <i>Health Physics</i> , 2019, 116, 664-676.	0.5	8
11	Features of Particle and Heavy Ion Transport code System (PHITS) version 3.02. <i>Journal of Nuclear Science and Technology</i> , 2018, 55, 684-690.	1.3	915
12	A scalable and deformable stylized model of the adult human eye for radiation dose assessment. <i>Physics in Medicine and Biology</i> , 2018, 63, 105017.	3.0	12
13	Benchmark study of the recent version of the PHITS code. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 617-635.	1.3	115
14	Implementation of tetrahedral-mesh geometry in Monte Carlo radiation transport code PHITS. <i>Physics in Medicine and Biology</i> , 2017, 62, 4798-4810.	3.0	16
15	Simulation study of personal dose equivalent for external exposure to radioactive cesium distributed in soil. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 1018-1027.	1.3	10
16	Age-dependent dose conversion coefficients for external exposure to radioactive cesium in soil. <i>Journal of Nuclear Science and Technology</i> , 2016, 53, 69-81.	1.3	23
17	A computational approach using reflection boundaries for dose calculation in infinitely expanded radiation field. <i>Radiation Protection Dosimetry</i> , 2015, 167, 392-398.	0.8	9
18	Study of radiation dose reduction of buildings of different sizes and materials. <i>Journal of Nuclear Science and Technology</i> , 2015, 52, 897-904.	1.3	25

#	ARTICLE	IF	CITATIONS
19	Particle and Heavy Ion Transport code System, PHITS, version 2.52. Journal of Nuclear Science and Technology, 2013, 50, 913-923.	1.3	700