

# Chansoo Choi

## List of Publications by Year in descending order

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29  
papers

285  
citations

932766

10  
h-index

996533

15  
g-index

29  
all docs

29  
docs citations

29  
times ranked

174  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.8	27
2	Inclusion of thin target and source regions in alimentary and respiratory tract systems of mesh-type ICRP adult reference phantoms. <i>Physics in Medicine and Biology</i> , 2017, 62, 2132-2152.	1.6	25
3	Development of skeletal system for mesh-type ICRP reference adult phantoms. <i>Physics in Medicine and Biology</i> , 2016, 61, 7054-7073.	1.6	24
4	New small-intestine modeling method for surface-based computational human phantoms. <i>Journal of Radiological Protection</i> , 2016, 36, 230-245.	0.6	18
5	Mesh-type reference Korean phantoms (MRKPs) for adult male and female for use in radiation protection dosimetry. <i>Physics in Medicine and Biology</i> , 2019, 64, 085020.	1.6	17
6	Body-size-dependent phantom library constructed from ICRP mesh-type reference computational phantoms. <i>Physics in Medicine and Biology</i> , 2020, 65, 125014.	1.6	15
7	Dose coefficients of mesh-type ICRP reference computational phantoms for idealized external exposures of photons and electrons. <i>Nuclear Engineering and Technology</i> , 2019, 51, 843-852.	1.1	14
8	Posture-dependent dose coefficients of mesh-type ICRP reference computational phantoms for photon external exposures. <i>Physics in Medicine and Biology</i> , 2019, 64, 075018.	1.6	14
9	Percentile-specific computational phantoms constructed from ICRP mesh-type reference computational phantoms (MRCPs). <i>Physics in Medicine and Biology</i> , 2019, 64, 045005.	1.6	14
10	Development of skeletal systems for ICRP pediatric mesh-type reference computational phantoms. <i>Journal of Radiological Protection</i> , 2021, 41, 139-161.	0.6	12
11	Construction of new skin models and calculation of skin dose coefficients for electron exposures. <i>Journal of the Korean Physical Society</i> , 2016, 69, 512-517.	0.3	9
12	Dose coefficients of mesh-type ICRP reference computational phantoms for external exposures of neutrons, protons, and helium ions. <i>Nuclear Engineering and Technology</i> , 2020, 52, 1545-1556.	1.1	9
13	Korean anatomical reference data for adults for use in radiological protection. <i>Journal of the Korean Physical Society</i> , 2018, 72, 183-191.	0.3	8
14	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.	0.3	8
15	POLY2TET: a computer program for conversion of computational human phantoms from polygonal mesh to tetrahedral mesh. <i>Journal of Radiological Protection</i> , 2020, 40, 962-979.	0.6	8
16	Patient Size-Dependent Dosimetry Methodology Applied to <sup>18</sup> F-FDG Using New ICRP Mesh Phantoms. <i>Journal of Nuclear Medicine</i> , 2021, 62, 1805-1814.	2.8	7
17	Development of paediatric mesh-type reference computational phantom series of International Commission on Radiological Protection. <i>Journal of Radiological Protection</i> , 2021, 41, S160-S170.	0.6	7
18	TET2MCNP: A Conversion Program to Implement Tetrahedral-mesh Models in MCNP. <i>Journal of Radiation Protection and Research</i> , 2016, 41, 389-394.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Implications of using a 50- $\mu$ m-thick skin target layer in skin dose coefficient calculation for photons, protons, and helium ions. Nuclear Engineering and Technology, 2017, 49, 1495-1504.	1.1	6
20	Dose coefficients of percentile-specific computational phantoms for photon external exposures. Radiation and Environmental Biophysics, 2020, 59, 151-160.	0.6	6
21	Detailed tooth models for ICRP mesh-type reference computational phantoms. Journal of Radiological Protection, 2021, 41, .	0.6	5
22	Development of detailed pediatric eye models for lens dose calculations. Journal of Radiological Protection, 2021, 41, 305-325.	0.6	5
23	Development of Detailed Korean Adult Eye Model for Lens Dose Calculation. Journal of Radiation Protection and Research, 2020, 45, 45-52.	0.3	5
24	Calculation of local skin doses with ICRP adult mesh-type reference computational phantoms. Journal of the Korean Physical Society, 2018, 72, 177-182.	0.3	4
25	Dose conversion coefficients for neutron external exposures with five postures: walking, sitting, bending, kneeling, and squatting. Radiation and Environmental Biophysics, 2021, 60, 317-328.	0.6	3
26	Body-size-dependent Iodine-131 S values. Journal of Radiological Protection, 2020, 40, 1311-1320.	0.6	3
27	Dosimetric considerations of <sup>99m</sup> Tc-MDP uptake within the epiphyseal plates of the long bones of pediatric patients. Physics in Medicine and Biology, 2020, 65, 235025.	1.6	3
28	Iodine-131 S values for use in organ dose estimation of Korean patients in radioiodine therapy. Nuclear Engineering and Technology, 2022, 54, 689-700.	1.1	1
29	Validation of $\sigma_{\text{pair}}$ Pair Production Total Cross Sections for Monte Carlo Particle Transport. IEEE Transactions on Nuclear Science, 2022, 69, 858-870.	1.2	1