

Tatsuhiko Sato

List of Publications by Year in descending order

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167
papers

5,278
citations

185998

28
h-index

95083

68
g-index

172
all docs

172
docs citations

172
times ranked

3811
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmark study of particle and heavy-ion transport code system using shielding integral benchmark archive and database for accelerator-shielding experiments. <i>Journal of Nuclear Science and Technology</i> , 2022, 59, 665-675.	0.7	7
2	Japanese pediatric and adult atomic bomb survivor dosimetry: potential improvements using the J45 phantom series and modern Monte Carlo transport. <i>Radiation and Environmental Biophysics</i> , 2022, 61, 73-86.	0.6	5
3	Theoretical and experimental estimation of the relative optically stimulated luminescence efficiency of an optical-fiber-based BaFBr:Eu detector for swift ions. <i>Journal of Nuclear Science and Technology</i> , 2022, 59, 915-924.	0.7	7
4	Improvements in the particle and heavy-ion transport code system (PHITS) for simulating neutron-response functions and detection efficiencies of a liquid organic scintillator. <i>Journal of Nuclear Science and Technology</i> , 2022, 59, 1047-1060.	0.7	6
5	Track-structure modes in particle and heavy ion transport code system (PHITS): application to radiobiological research. <i>International Journal of Radiation Biology</i> , 2022, 98, 148-157.	1.0	16
6	Inflammatory Signaling and DNA Damage Responses after Local Exposure to an Insoluble Radioactive Microparticle. <i>Cancers</i> , 2022, 14, 1045.	1.7	10
7	Transport model comparison studies of intermediate-energy heavy-ion collisions. <i>Progress in Particle and Nuclear Physics</i> , 2022, 125, 103962.	5.6	55
8	Microdosimetric Modeling of Relative Biological Effectiveness for Skin Reactions: Possible Linkage Between In Vitro and In Vivo Data. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 114, 153-162.	0.4	6
9	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.	1.6	2
10	Individual dosimetry system for targeted alpha therapy based on PHITS coupled with microdosimetric kinetic model. <i>EJNMMI Physics</i> , 2021, 8, 4.	1.3	19
11	Estimate of economic impact of atmospheric radiation storm associated with solar energetic particle events on aircraft operations. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	8
12	Verification of KURBUC-based ion track structure mode for proton and carbon ions in the PHITS code. <i>Physics in Medicine and Biology</i> , 2021, 66, 06NT02.	1.6	19
13	Oxygen enhancement ratios of cancer cells after exposure to intensity modulated x-ray fields: DNA damage and cell survival. <i>Physics in Medicine and Biology</i> , 2021, 66, 075014.	1.6	4
14	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.	0.8	2
15	Space weather benchmarks on Japanese society. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	12
16	Medical application of particle and heavy ion transport code system PHITS. <i>Radiological Physics and Technology</i> , 2021, 14, 215-225.	1.0	15
17	Implementation of simplified stochastic microdosimetric kinetic models into PHITS for application to radiation treatment planning. <i>International Journal of Radiation Biology</i> , 2021, 97, 1450-1460.	1.0	10
18	PSTEP: project for solar-terrestrial environment prediction. <i>Earth, Planets and Space</i> , 2021, 73, .	0.9	10

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19	Probabilistic risk assessment of solar particle events considering the cost of countermeasures to reduce the aviation radiation dose. <i>Scientific Reports</i> , 2021, 11, 17091.	1.6	6
20	Evaluation of RBE-weighted doses for various radiotherapy beams based on a microdosimetric function implemented in PHITS. <i>Journal of Physics: Conference Series</i> , 2020, 1662, 012004.	0.3	3
21	Impact of Hydrided and Non-Hydrided Materials Near Transistors on Neutron-Induced Single Event Upsets. , 2020, , .		4
22	Modernization of the DCHAIN-PHITS activation code with new features and updated data libraries. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2020, 484, 29-41.	0.6	14
23	208,207,206,natPb(p,x)207Bi and 209Bi (p,x)207Bi excitation functions in the energy range of 0.04 - 2.6 GeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 984, 164635.	0.7	3
24	Cost estimation for alternative aviation plans against potential radiation exposure associated with solar proton events for the airline industry. <i>Evolutionary and Institutional Economics Review</i> , 2020, 17, 487-499.	0.3	5
25	A theoretical cell-killing model to evaluate oxygen enhancement ratios at DNA damage and cell survival endpoints in radiation therapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 095006.	1.6	7
26	A Simplified Cluster Analysis of Electron Track Structure for Estimating Complex DNA Damage Yields. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1701.	1.8	15
27	Investigation of using a long-life electronic personal dosimeter for monitoring aviation doses of frequent flyers. <i>Radiation Measurements</i> , 2020, 134, 106309.	0.7	7
28	Real-time in vivo dosimetry system based on an optical fiber-coupled microsized photostimulable phosphor for stereotactic body radiation therapy. <i>Medical Physics</i> , 2020, 47, 5235-5249.	1.6	5
29	Development of a new microdosimetric biological weighting function for the RBE ₁₀ assessment in case of the V79 cell line exposed to ions from ¹ H to ²³⁸ U. <i>Physics in Medicine and Biology</i> , 2020, 65, 235010.	1.6	26
30	Dosimetric Impact of a New Computational Voxel Phantom Series for the Japanese Atomic Bomb Survivors: Methodological Improvements and Organ Dose Response Functions. <i>Radiation Research</i> , 2020, 194, 390-402.	0.7	5
31	Total cross section model with uncertainty evaluated by KALMAN. <i>EJP Web of Conferences</i> , 2020, 239, 03015.	0.1	0
32	Track Structure and Microdosimetry of Proton Beams. , 2020, , 61-72.		0
33	Rationale for Translational Research on Targeted Alpha Therapy in Japan –Renaissance of Radiopharmaceuticals Utilizing Astatine-211 and Actinium-225–. <i>Radioisotopes</i> , 2020, 69, 329-340.	0.1	0
34	DNA damage induction during localized chronic exposure to an insoluble radioactive microparticle. <i>Scientific Reports</i> , 2019, 9, 10365.	1.6	12
35	Intensity Modulated Radiation Fields Induce Protective Effects and Reduce Importance of Dose-Rate Effects. <i>Scientific Reports</i> , 2019, 9, 9483.	1.6	12
36	Impact of Stellar Superflares on Planetary Habitability. <i>Astrophysical Journal</i> , 2019, 881, 114.	1.6	36

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37	Transient ionization of the mesosphere during auroral breakup: Arase satellite and ground-based conjugate observations at Syowa Station. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	9
38	A biologically based mathematical model for spontaneous and ionizing radiation cataractogenesis. <i>PLoS ONE</i> , 2019, 14, e0221579.	1.1	10
39	Correction Notice to: Nowcast and forecast of galactic cosmic ray (GCR) and solar energetic particle (SEP) fluxes in magnetosphere and ionosphere – Extension of WASAVIES to Earth orbit. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A10.	1.1	1
40	Modeling of yield estimation for DNA strand breaks based on Monte Carlo simulations of electron track structure in liquid water. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	31
41	Nowcast and forecast of galactic cosmic ray (GCR) and solar energetic particle (SEP) fluxes in magnetosphere and ionosphere – Extension of WASAVIES to Earth orbit. <i>Journal of Space Weather and Space Climate</i> , 2019, 9, A9.	1.1	6
42	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
43	Estimation method of systematic uncertainties in Monte Carlo particle transport simulation based on analysis of variance. <i>Journal of Nuclear Science and Technology</i> , 2019, 56, 345-354.	0.7	7
44	Impact of Irradiation Side on Neutron-Induced Single-Event Upsets in 65-nm Bulk SRAMs. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1374-1380.	1.2	8
45	Dosimetric Impact of a New Computational Voxel Phantom Series for the Japanese Atomic Bomb Survivors: Pregnant Females. <i>Radiation Research</i> , 2019, 192, 538.	0.7	14
46	DEPTH DISTRIBUTIONS OF RBE-WEIGHTED DOSE and PHOTON-ISOEFFECTIVE DOSE FOR BORON NEUTRON CAPTURE THERAPY. <i>Radiation Protection Dosimetry</i> , 2019, 183, 247-250.	0.4	7
47	Dosimetric Impact of a New Computational Voxel Phantom Series for the Japanese Atomic Bomb Survivors: Children and Adults. <i>Radiation Research</i> , 2019, 191, 369.	0.7	17
48	Validation of the physical and RBE-weighted dose estimator based on PHITS coupled with a microdosimetric kinetic model for proton therapy. <i>Journal of Radiation Research</i> , 2018, 59, 91-99.	0.8	65
49	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.	0.7	915
50	Microdosimetric Modeling of Biological Effectiveness for Boron Neutron Capture Therapy Considering Intra- and Intercellular Heterogeneity in 10B Distribution. <i>Scientific Reports</i> , 2018, 8, 988.	1.6	53
51	Rational evaluation of the therapeutic effect and dosimetry of auger electrons for radionuclide therapy in a cell culture model. <i>Annals of Nuclear Medicine</i> , 2018, 32, 114-122.	1.2	8
52	COMPARISON OF COSMIC-RAY ENVIRONMENTS ON EARTH, MOON, MARS AND IN SPACECRAFT USING PHITS. <i>Radiation Protection Dosimetry</i> , 2018, 180, 146-149.	0.4	17
53	Analysis of scintillation light intensity by microscopic radiation transport calculation and FÄrster quenching model. <i>PLoS ONE</i> , 2018, 13, e0202011.	1.1	11
54	Radiation Dose Nowcast for the Ground Level Enhancement on 10â€“11 September 2017. <i>Space Weather</i> , 2018, 16, 917-923.	1.3	21

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55	Real Time and Automatic Analysis Program for WASAVIES: Warning System for Aviation Exposure to Solar Energetic Particles. <i>Space Weather</i> , 2018, 16, 924-936.	1.3	20
56	Internal doses from radionuclides and their health effects following the Fukushima accident. <i>Journal of Radiological Protection</i> , 2018, 38, 1253-1268.	0.6	7
57	Cutting-edge studies on Nuclear Data for Continuous and Emerging Need (7). <i>Atomos</i> , 2018, 60, 294-298.	0.0	0
58	Applicability of the two-angle differential method to response measurement of neutron-sensitive devices at the RCNP high-energy neutron facility. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 849, 94-101.	0.7	1
59	Benchmark study of the recent version of the PHITS code. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 617-635.	0.7	115
60	Implementation of tetrahedral-mesh geometry in Monte Carlo radiation transport code PHITS. <i>Physics in Medicine and Biology</i> , 2017, 62, 4798-4810.	1.6	16
61	Cosmic ray modulation and radiation dose of aircrews during the solar cycle 24/25. <i>Space Weather</i> , 2017, 15, 589-605.	1.3	20
62	Evaluation of the accuracy of mono-energetic electron and beta-emitting isotope dose-point kernels using particle and heavy ion transport code system: PHITS. <i>Applied Radiation and Isotopes</i> , 2017, 128, 199-203.	0.7	10
63	Ionization of protoplanetary disks by galactic cosmic rays, solar protons, and supernova remnants. <i>Geoscience Frontiers</i> , 2017, 8, 247-252.	4.3	6
64	Implementation of muon interaction models in PHITS. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 101-110.	0.7	10
65	Inter-comparison of Dose Distributions Calculated by FLUKA, GEANT4, MCNP, and PHITS for Proton Therapy. <i>EPJ Web of Conferences</i> , 2017, 153, 04011.	0.1	14
66	Dose Measurements through the Concrete and Iron Shields under the 100 to 400 MeV Quasi-Monoenergetic Neutron Field (at RCNP, Osaka Univ.). <i>EPJ Web of Conferences</i> , 2017, 153, 08022.	0.1	0
67	Experimental analysis of neutron and background gamma-ray energy spectra of 80-400 MeV ${}^7\text{Li}(p,n)$ reactions under the quasi-monoenergetic neutron field at RCNP, Osaka University. <i>EPJ Web of Conferences</i> , 2017, 153, 08019.	0.1	1
68	Recent Improvements of Particle and Heavy Ion Transport code System: PHITS. <i>EPJ Web of Conferences</i> , 2017, 153, 06008.	0.1	7
69	${}^{13}\text{C}$ Dose Heterogeneity from a Viewpoint of Microdosimetry. <i>Radioisotopes</i> , 2017, 66, 507-512.	0.1	1
70	Establishment of a Novel Detection System for Measuring Primary Knock-on Atoms. , 2017, , .		0
71	Analysis of angular distribution of fragments in relativistic heavy-ion collisions by quantum molecular dynamics. <i>EPJ Web of Conferences</i> , 2016, 117, 03011.	0.1	1
72	Application of JAERI quantum molecular dynamics model for collisions of heavy nuclei. <i>EPJ Web of Conferences</i> , 2016, 122, 04005.	0.1	0

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73	Review of the Microdosimetric Studies for High-Energy Charged Particle Beams Using a Tissue-Equivalent Proportional Counter. , 2016, , .		3
74	The Martian surface radiation environment – a comparison of models and MSL/RAD measurements. Journal of Space Weather and Space Climate, 2016, 6, A13.	1.1	70
75	Feasibility study of nuclear transmutation by negative muon capture reaction using the PHITS code. EPJ Web of Conferences, 2016, 122, 04002.	0.1	0
76	Evaluation of World Population-Weighted Effective Dose due to Cosmic Ray Exposure. Scientific Reports, 2016, 6, 33932.	1.6	18
77	Cataractogenesis following high-LET radiation exposure. Mutation Research - Reviews in Mutation Research, 2016, 770, 262-291.	2.4	37
78	Shielding effect on secondary cosmic-ray neutron- and muon-induced soft errors. , 2016, , .		2
79	Development of general nuclear resonance fluorescence model. Journal of Nuclear Science and Technology, 2016, 53, 1766-1773.	0.7	7
80	Impact of PHITS spallation models on the neutronics design of an accelerator-driven system. Journal of Nuclear Science and Technology, 2016, 53, 1585-1594.	0.7	18
81	Soft error rate analysis based on multiple sensitive volume model using PHITS. Journal of Nuclear Science and Technology, 2016, 53, 451-458.	0.7	11
82	Analytical Model for Estimating the Zenith Angle Dependence of Terrestrial Cosmic Ray Fluxes. PLoS ONE, 2016, 11, e0160390.	1.1	86
83	Characterization of high-energy quasi-monoenergetic neutron energy spectra and ambient dose equivalents of 80–389 MeV ${}^7\text{Li}(p,n)$ reactions using a time-of-flight method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment. 2015, 804, 50-58.	0.7	24
84	Space Radiation Dosimetry to Evaluate the Effect of Polyethylene Shielding in the Russian Segment of the International Space Station. Physics Procedia, 2015, 80, 25-35.	1.2	16
85	Interplanetary particle transport simulation for warning system for aviation exposure to solar energetic particles. Earth, Planets and Space, 2015, 67, .	0.9	16
86	Analytical Model for Estimating Terrestrial Cosmic Ray Fluxes Nearly Anytime and Anywhere in the World: Extension of PARMA/EXPACS. PLoS ONE, 2015, 10, e0144679.	1.1	121
87	Improvement of photonuclear reaction model below 140 MeV in the PHITS code. Journal of Nuclear Science and Technology, 2015, 52, 57-62.	0.7	16
88	Estimation of relative biological effectiveness for boron neutron capture therapy using the PHITS code coupled with a microdosimetric kinetic model. Journal of Radiation Research, 2015, 56, 382-390.	0.8	24
89	Extension of TOPAS for the simulation of proton radiation effects considering molecular and cellular endpoints. Physics in Medicine and Biology, 2015, 60, 5053-5070.	1.6	56
90	Radial dependence of lineal energy distribution of 290-MeV/u carbon and 500-MeV/u iron ion beams using a wall-less tissue-equivalent proportional counter. Journal of Radiation Research, 2015, 56, 197-204.	0.8	3

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91	Overview of particle and heavy ion transport code system PHITS. <i>Annals of Nuclear Energy</i> , 2015, 82, 110-115.	0.9	39
92	Model Assembly for Estimating Cell Surviving Fraction for Both Targeted and Nontargeted Effects Based on Microdosimetric Probability Densities. <i>PLoS ONE</i> , 2014, 9, e114056.	1.1	17
93	Scaling in situ cosmogenic nuclide production rates using analytical approximations to atmospheric cosmic-ray fluxes. <i>Earth and Planetary Science Letters</i> , 2014, 386, 149-160.	1.8	542
94	Air shower simulation for WASAVIES: warning system for aviation exposure to solar energetic particles. <i>Radiation Protection Dosimetry</i> , 2014, 161, 274-278.	0.4	21
95	Method for the prediction of the effective dose equivalent to the crew of the International Space Station. <i>Advances in Space Research</i> , 2014, 53, 810-817.	1.2	2
96	The Nebula Winter: The united view of the snowball Earth, mass extinctions, and explosive evolution in the late Neoproterozoic and Cambrian periods. <i>Gondwana Research</i> , 2014, 25, 1153-1163.	3.0	31
97	Radiation dose forecast of WASAVIES during ground-level enhancement. <i>Space Weather</i> , 2014, 12, 380-386.	1.3	21
98	Microdosimetric Analysis Confirms Similar Biological Effectiveness of External Exposure to Gamma-Rays and Internal Exposure to ¹³⁷ Cs, ¹³⁴ Cs, and ¹³¹ I. <i>PLoS ONE</i> , 2014, 9, e99831.	1.1	10
99	New approach for describing nuclear reactions based on intra-nuclear cascade coupled with DWBA. <i>Progress in Nuclear Science and Technology</i> , 2014, 4, 418-421.	0.3	4
100	Response measurement of various neutron dose equivalent monitors in 134-387 MeV neutron fields. <i>Progress in Nuclear Science and Technology</i> , 2014, 4, 704-708.	0.3	4
101	Overview of the PHITS code and its application to medical physics. <i>Progress in Nuclear Science and Technology</i> , 2014, 4, 879-882.	0.3	19
102	Application of new nuclear de-excitation model of PHITS for prediction of isomer yield and prompt gamma-ray production. , 2014, , .		0
103	Overview of Particle and Heavy Ion Transport Code System PHITS. , 2014, , .		0
104	Application of General-Purpose Radiation Transport Code into Study for Laser-Produced Plasma Ions Acceleration. <i>The Review of Laser Engineering</i> , 2014, 42, 163.	0.0	0
105	Neutron Dosimetry in Quasi-Monoenergetic Fields of 244 and 387 MeV. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 299-304.	1.2	12
106	ISSCREM: International Space Station cosmic radiation exposure model. , 2013, , .		5
107	Analysis of linear energy transfers and quality factors of charged particles produced by spontaneous fission neutrons from ²⁵² Cf and ²⁴⁴ Pu in the human body. <i>Radiation Protection Dosimetry</i> , 2013, 154, 142-147.	0.4	5
108	A comparative study of space radiation organ doses and associated cancer risks using PHITS and HZETRN. <i>Physics in Medicine and Biology</i> , 2013, 58, 7183-7207.	1.6	13

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109	Particle and Heavy Ion Transport code System, PHITS, version 2.52. Journal of Nuclear Science and Technology, 2013, 50, 913-923.	0.7	700
110	Cell Survival Fraction Estimation Based on the Probability Densities of Domain and Cell Nucleus Specific Energies Using Improved Microdosimetric Kinetic Models. Radiation Research, 2012, 178, 341-356.	0.7	79
111	Response Measurement of a Bonner Sphere Spectrometer for High-Energy Neutrons. IEEE Transactions on Nuclear Science, 2012, 59, 161-166.	1.2	14
112	Comparison of fluence-to-dose conversion coefficients for deuterons, tritons and helions. Radiation Protection Dosimetry, 2012, 148, 344-351.	0.4	2
113	Applications of the microdosimetric function implemented in the macroscopic particle transport simulation code PHITS. International Journal of Radiation Biology, 2012, 88, 143-150.	1.0	26
114	Systematic Measurement of Lineal Energy Distributions for Proton, He and Si Ion Beams Over a Wide Energy Range Using a Wall-less Tissue Equivalent Proportional Counter. Journal of Radiation Research, 2012, 53, 264-271.	0.8	15
115	Neutron Dose Rate Measurements in J-PARC MLF. Progress in Nuclear Science and Technology, 2012, 3, 76-78.	0.3	3
116	Predicting Radiation Dose on Aircraft From Solar Energetic Particles. Space Weather, 2011, 9, .	1.3	9
117	Explosive volcanic eruptions triggered by cosmic rays: Volcano as a bubble chamber. Gondwana Research, 2011, 19, 1054-1061.	3.0	6
118	Dose estimation for astronauts using dose conversion coefficients calculated with the PHITS code and the ICRP/ICRU adult reference computational phantoms. Radiation and Environmental Biophysics, 2011, 50, 115-123.	0.6	18
119	Upgrades of DARWIN, a dose and spectrum monitoring system applicable to various types of radiation over wide energy ranges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 149-157.	0.7	6
120	Quasi-monoenergetic neutron energy spectra for 246 and 389MeV ${}^7\text{Li}(p,n)$ reactions at angles from 0° to 30° . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 629, 43-49.	0.7	25
121	Management of cosmic radiation exposure for aircraft crew in Japan. Radiation Protection Dosimetry, 2011, 146, 123-125.	0.4	16
122	Impact of the introduction of ICRP Publication 103 on neutron dosimetry. Radiation Protection Dosimetry, 2011, 146, 183-185.	0.4	1
123	Analysis of cell-survival fractions for heavy-ion irradiations based on microdosimetric kinetic model implemented in the particle and heavy ion transport code system. Radiation Protection Dosimetry, 2011, 143, 491-496.	0.4	34
124	Fluence-to-dose conversion coefficients for aircrew dosimetry based on the new ICRP Recommendations. Progress in Nuclear Science and Technology, 2011, 1, 134-137.	0.3	19
125	Characterization of the WENDI-II REM Counter for its Application at MedAustron. Progress in Nuclear Science and Technology, 2011, 2, 258-262.	0.3	8
126	Fluence-to-Dose Conversion Coefficients for Muons and Pions Calculated Based on ICRP Publication 103 Using the PHITS Code. Progress in Nuclear Science and Technology, 2011, 2, 432-436.	0.3	8

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127	New Features of the Particle and Heavy Ion Transport Code System; PHITS. Progress in Nuclear Science and Technology, 2011, 2, 923-926.	0.3	29
128	Application and Validation of Event Generator in the PHITS Code for the Low-Energy Neutron-Induced Reactions. Progress in Nuclear Science and Technology, 2011, 2, 931-935.	0.3	11
129	Development of Cosmic Radiation and Energetic Particle Analyzing System: CREPAS. Progress in Nuclear Science and Technology, 2011, 1, 356-359.	0.3	0
130	Experimental Method for Neutron Elastic Scattering Cross-Section Measurement in Intermediate Energy Region at RCNP. Progress in Nuclear Science and Technology, 2011, 1, 20-23.	0.3	2
131	Response measurement of a Bonner sphere spectrometer for high-energy neutrons. , 2010, , .		0
132	Measurement of microdosimetric spectra with a wall-less tissue-equivalent proportional counter for a 290 MeV/u ¹² C beam. Physics in Medicine and Biology, 2010, 55, 5089-5101.	1.6	28
133	Measurement of Atmospheric Neutron and Photon Energy Spectra at Aviation Altitudes using a Phoswich-Type Neutron Detector. Journal of Nuclear Science and Technology, 2010, 47, 932-944.	0.7	5
134	Measurements of Cosmic-Ray Neutron Energy Spectra from Thermal to 15 MeV with Bonner Ball Neutron Detector in Aircraft. Journal of Nuclear Science and Technology, 2010, 47, 31-39.	0.7	43
135	Fluence-to-dose conversion coefficients for heavy ions calculated using the PHITS code and the ICRP/ICRU adult reference computational phantoms. Physics in Medicine and Biology, 2010, 55, 2235-2246.	1.6	30
136	Measurements of Cosmic-Ray Neutron Energy Spectra from Thermal to 15 MeV with Bonner Ball Neutron Detector in Aircraft. Journal of Nuclear Science and Technology, 2010, 47, 31-39.	0.7	4
137	Measurement of Atmospheric Neutron and Photon Energy Spectra at Aviation Altitudes using a Phoswich-Type Neutron Detector. Journal of Nuclear Science and Technology, 2010, 47, 932-944.	0.7	1
138	Calculation of energy-deposition distributions and microdosimetric estimation of the biological effect of a 9C beam. Radiation and Environmental Biophysics, 2009, 48, 135-143.	0.6	1
139	An estimation of Canadian population exposure to cosmic rays. Radiation and Environmental Biophysics, 2009, 48, 317-322.	0.6	13
140	Simulations of the radiation environment at ISS altitudes. Acta Astronautica, 2009, 65, 279-288.	1.7	7
141	Biological Dose Estimation for Charged-Particle Therapy Using an Improved PHITS Code Coupled with a Microdosimetric Kinetic Model. Radiation Research, 2009, 171, 107-117.	0.7	100
142	Fluence-to-dose conversion coefficients for neutrons and protons calculated using the PHITS code and ICRP/ICRU adult reference computational phantoms. Physics in Medicine and Biology, 2009, 54, 1997-2014.	1.6	73
143	RESPONSES OF SELECTED NEUTRON MONITORS TO COSMIC RADIATION AT AVIATION ALTITUDES. Health Physics, 2009, 96, 655-660.	0.3	14
144	The Recent Improvement and Verification of DARWIN: Development of a New DAQ System and Results of Flight Experiment. Nuclear Technology, 2009, 168, 113-117.	0.7	1

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145	Development of PARMA: PHITS-based Analytical Radiation Model in the Atmosphere. Radiation Research, 2008, 170, 244-259.	0.7	191
146	PARMA: PHITS-based Analytical Radiation Model in the Atmosphere—Verification of Its Accuracy in Estimating Cosmic Radiation Doses. AIP Conference Proceedings, 2008, , .	0.3	1
147	Microdosimetric study for secondary neutrons in phantom produced by a carbon beam. Medical Physics, 2007, 34, 3571-3578.	1.6	8
148	Calculation of energy-deposition distributions of a ^{12}C beam using the PHITS code. Journal of Physics: Conference Series, 2007, 74, 021011.	0.3	0
149	Darwin: dose monitoring system applicable to various radiations with wide energy ranges. Radiation Protection Dosimetry, 2007, 126, 501-505.	0.4	3
150	PHITS — benchmark of partial charge-changing cross sections for intermediate-mass systems. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 30-38.	0.6	17
151	Present Status and Research Subject of Medical Facility Design and Irradiation Field Dose Evaluation with Monte Carlo Method. Atomos, 2007, 49, 750-754.	0.0	0
152	Development of a calculation method for estimating specific energy distribution in complex radiation fields. Radiation Protection Dosimetry, 2006, 122, 41-45.	0.4	73
153	Analytical Functions to Predict Cosmic-Ray Neutron Spectra in the Atmosphere. Radiation Research, 2006, 166, 544-555.	0.7	137
154	Measurement of Response Functions of a Liquid Organic Scintillator for Neutrons up to 800 Me V. Journal of Nuclear Science and Technology, 2006, 43, 714-719.	0.7	27
155	PHITS—a particle and heavy ion transport code system. Radiation Measurements, 2006, 41, 1080-1090.	0.7	263
156	Applicability of particle and heavy ion transport code PHITS to the shielding design of spacecrafts. Radiation Measurements, 2006, 41, 1142-1146.	0.7	31
157	New Scope covered by PHITS—Particle and Heavy Ion Transport Code System. Nippon Genshiryoku Gakkaishi/Journal of the Atomic Energy Society of Japan, 2006, 48, 949-954.	0.0	0
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