

# Steven L Simon

## List of Publications by Year in descending order

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111  
papers

3,587  
citations

117625

34  
h-index

161849

54  
g-index

112  
all docs

112  
docs citations

112  
times ranked

2888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dose Estimation for Exposure to Radioactive Fallout from Nuclear Detonations. Health Physics, 2022, 122, 1-20.	0.5	10
2	A Methodology for Estimating External Doses to Individuals and Populations Exposed to Radioactive Fallout from Nuclear Detonations. Health Physics, 2022, 122, 54-83.	0.5	11
3	A Method for Estimating the Deposition Density of Fallout on the Ground and on Vegetation from a Low-yield, Low-altitude Nuclear Detonation. Health Physics, 2022, 122, 21-53.	0.5	9
4	Dose Coefficients for Internal Dose Assessments for Exposure to Radioactive Fallout. Health Physics, 2022, 122, 125-235.	0.5	5
5	Parameter Values for Estimation of Internal Doses from Ingestion of Radioactive Fallout from Nuclear Detonations. Health Physics, 2022, 122, 236-268.	0.5	4
6	A Methodology for Calculation of Internal Dose Following Exposure to Radioactive Fallout from the Detonation of a Nuclear Fission Device. Health Physics, 2022, 122, 84-124.	0.5	9
7	Fluoroscopy X-Ray Organ-Specific Dosimetry System (FLUXOR) for Estimation of Organ Doses and Their Uncertainties in the Canadian Fluoroscopy Cohort Study. Radiation Research, 2021, 195, 385-396.	1.5	1
8	Dose Estimation for the European Epidemiological Study on Pediatric Computed Tomography (EPI-CT). Radiation Research, 2021, 196, 74-99.	1.5	17
9	Estimated Radiation Doses and Projected Cancer Risks for New Mexico Residents from Exposure to Radioactive Fallout from the Trinity Nuclear Test. Nuclear Technology, 2021, 207, S380-S396.	1.2	0
10	Accounting for Unfissioned Plutonium from the Trinity Atomic Bomb Test. Health Physics, 2020, 119, 504-516.	0.5	10
11	Projected Cancer Risks to Residents of New Mexico from Exposure to Trinity Radioactive Fallout. Health Physics, 2020, 119, 478-493.	0.5	7
12	Introduction to the Trinity Nuclear Test Collection of Papers. Health Physics, 2020, 119, 389-389.	0.5	1
13	Methods and Findings on Diet and Lifestyle Used to Support Estimation of Radiation Doses from Radioactive Fallout from the Trinity Nuclear Test. Health Physics, 2020, 119, 390-399.	0.5	6
14	Estimated Radiation Doses Received by New Mexico Residents from the 1945 Trinity Nuclear Test. Health Physics, 2020, 119, 428-477.	0.5	18
15	The Methodology Used to Assess Doses from the First Nuclear Weapons Test (Trinity) to the Populations of New Mexico. Health Physics, 2020, 119, 400-427.	0.5	13
16	Occupational radiation and haematopoietic malignancy mortality in the retrospective cohort study of US radiologic technologists, 1983-2012. Occupational and Environmental Medicine, 2020, 77, 822-831.	2.8	11
17	Lung cancer mortality associated with protracted low-dose occupational radiation exposures and smoking behaviors in U.S. radiologic technologists, 1983-2012. International Journal of Cancer, 2020, 147, 3130-3138.	5.1	6
18	Association of Radioactive Iodine Treatment With Cancer Mortality in Patients With Hyperthyroidism. JAMA Internal Medicine, 2019, 179, 1034.	5.1	125

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19	Organ-specific dose coefficients derived from Monte Carlo simulations for historical (1930s to 1960s) fluoroscopic and radiographic examinations of tuberculosis patients. <i>Journal of Radiological Protection</i> , 2019, 39, 950-965.	1.1	11
20	Estimation of Radiation Doses to U.S. Military Test Participants from Nuclear Testing: A Comparison of Historical Film-Badge Measurements, Dose Reconstruction and Retrospective Biodosimetry. <i>Radiation Research</i> , 2019, 191, 297.	1.5	16
21	Cataract risk in US radiologic technologists assisting with fluoroscopically guided interventional procedures: a retrospective cohort study. <i>Occupational and Environmental Medicine</i> , 2019, 76, 317-325.	2.8	14
22	Chromosome Translocations, Inversions and Telomere Length for Retrospective Biodosimetry on Exposed U.S. Atomic Veterans. <i>Radiation Research</i> , 2019, 191, 311.	1.5	26
23	Occupational radiation exposure and thyroid cancer incidence in a cohort of U.S. radiologic technologists, 1983-2013. <i>International Journal of Cancer</i> , 2018, 143, 2145-2149.	5.1	30
24	Occupational radiation exposure and risk of cataract incidence in a cohort of US radiologic technologists. <i>European Journal of Epidemiology</i> , 2018, 33, 1179-1191.	5.7	59
25	Assessment of thyroid cancer risk associated with radiation dose from personal diagnostic examinations in a cohort study of US radiologic technologists, followed 1983-2014. <i>BMJ Open</i> , 2018, 8, e021536.	1.9	10
26	Photon energy readings in OSL dosimeter filters: an application to retrospective dose estimation for nuclear medicine workers. <i>Journal of Radiological Protection</i> , 2018, 38, 1053-1063.	1.1	1
27	Occupational radiation exposure and glaucoma and macular degeneration in the US radiologic technologists. <i>Scientific Reports</i> , 2018, 8, 10481.	3.3	15
28	Dose coefficients for ICRP reference pediatric phantoms exposed to idealised external gamma fields. <i>Journal of Radiological Protection</i> , 2017, 37, 127-146.	1.1	10
29	Occupational Radiation Exposure and Deaths From Malignant Intracranial Neoplasms of the Brain and CNS in U.S. Radiologic Technologists, 1983-2012. <i>American Journal of Roentgenology</i> , 2017, 208, 1278-1284.	2.2	38
30	Thyroid Radiation Dose to Patients from Diagnostic Radiology Procedures over Eight Decades. <i>Health Physics</i> , 2017, 113, 458-473.	0.5	16
31	LONG-TERM BIODOSIMETRY REDUX. <i>Radiation Protection Dosimetry</i> , 2016, 172, 244-247.	0.8	5
32	O10-4-...Ionizing radiation exposure and risks of cancer and circulatory disease in technologists performing nuclear medicine procedures. , 2016, , .		0
33	Bayesian dose-response analysis for epidemiological studies with complex uncertainty in dose estimation. <i>Statistics in Medicine</i> , 2016, 35, 399-423.	1.6	33
34	NCRP Program Area Committee 6. <i>Health Physics</i> , 2016, 110, 113-115.	0.5	1
35	Changing Patterns in the Performance of Fluoroscopically Guided Interventional Procedures and Adherence to Radiation Safety Practices in a U.S. Cohort of Radiologic Technologists. <i>American Journal of Roentgenology</i> , 2016, 207, 1350-1359.	2.2	5
36	$S$ values for $^{131}\text{I}$ based on the ICRP adult voxel phantoms. <i>Radiation Protection Dosimetry</i> , 2016, 168, 92-110.	0.8	20

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37	BODY SIZE-SPECIFIC EFFECTIVE DOSE CONVERSION COEFFICIENTS FOR CT SCANS. Radiation Protection Dosimetry, 2016, 172, 428-437.	0.8	32
38	Measurement of Fukushima-related radioactive contamination in aquatic species. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3720-3721.	7.1	17
39	Thyroid Dose Estimates for a Cohort of Belarusian Children Exposed to $^{131}\text{I}$ from the Chernobyl Accident: Assessment of Uncertainties. Radiation Research, 2015, 184, 203-218.	1.5	33
40	Organ Dose Estimates for Hyperthyroid Patients Treated with $^{131}\text{I}$ : An Update of the Thyrotoxicosis Follow-Up Study. Radiation Research, 2015, 184, 595.	1.5	22
41	Occupational ionising radiation and risk of basal cell carcinoma in US radiologic technologists (1983-2005). Occupational and Environmental Medicine, 2015, 72, 862-869.	2.8	25
42	Workshop Report on Atomic Bomb Dosimetry—Review of Dose Related Factors for the Evaluation of Exposures to Residual Radiation at Hiroshima and Nagasaki. Health Physics, 2015, 109, 582-600.	0.5	22
43	Biological Effectiveness of Photons and Electrons as a Function of Energy. Health Physics, 2015, 108, 143-144.	0.5	2
44	Accounting for Shared and Unshared Dosimetric Uncertainties in the Dose Response for Ultrasound-Detected Thyroid Nodules after Exposure to Radioactive Fallout. Radiation Research, 2015, 183, 159.	1.5	51
45	The Two-Dimensional Monte Carlo: A New Methodologic Paradigm for Dose Reconstruction for Epidemiological Studies. Radiation Research, 2015, 183, 27-41.	1.5	48
46	Health effects of nuclear weapons testing. Lancet, The, 2015, 386, 407-409.	13.7	11
47	Use of Radiopharmaceuticals in Diagnostic Nuclear Medicine in the United States. Health Physics, 2015, 108, 520-537.	0.5	25
48	Cancer and circulatory disease risks in US radiologic technologists associated with performing procedures involving radionuclides. Occupational and Environmental Medicine, 2015, 72, 770-776.	2.8	22
49	Radiation Organ Doses Received in a Nationwide Cohort of U.S. Radiologic Technologists: Methods and Findings. Radiation Research, 2014, 182, 507-528.	1.5	56
50	Work history and mortality risks in 90,268 US radiological technologists. Occupational and Environmental Medicine, 2014, 71, 819-835.	2.8	34
51	Association of Chromosome Translocation Rate with Low Dose Occupational Radiation Exposures in U.S. Radiologic Technologists. Radiation Research, 2014, 182, 1-17.	1.5	45
52	Guidelines for Exposure Assessment in Health Risk Studies Following a Nuclear Reactor Accident. Environmental Health Perspectives, 2014, 122, 1-5.	6.0	21
53	Nuclear Medicine Practices in the 1950s through the Mid-1970s and Occupational Radiation Doses to Technologists from Diagnostic Radioisotope Procedures. Health Physics, 2014, 107, 300-310.	0.5	10
54	Radiation-Exposed Populations. Health Physics, 2014, 106, 182-195.	0.5	10

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55	Risk of esophageal cancer following radiotherapy for Hodgkin lymphoma. <i>Haematologica</i> , 2014, 99, e193-e196.	3.5	37
56	Impact of Uncertainties in Exposure Assessment on Estimates of Thyroid Cancer Risk among Ukrainian Children and Adolescents Exposed from the Chernobyl Accident. <i>PLoS ONE</i> , 2014, 9, e85723.	2.5	44
57	A Prospective Study of Medical Diagnostic Radiography and Risk of Thyroid Cancer. <i>American Journal of Epidemiology</i> , 2013, 177, 800-809.	3.4	49
58	Recovery and Resilience After a Nuclear Power Plant Disaster: A Medical Decision Model for Managing an Effective, Timely, and Balanced Response. <i>Disaster Medicine and Public Health Preparedness</i> , 2013, 7, 136-145.	1.3	11
59	Occupational Radiation Doses to Operators Performing Fluoroscopically-Guided Procedures. <i>Health Physics</i> , 2012, 103, 80-99.	0.5	133
60	Response of the U.S. Department of Health and Human Services in Protecting Civilian Americans in Japan during the Fukushima Nuclear Crisis. <i>Health Physics</i> , 2012, 102, 570-579.	0.5	8
61	Comparison of internal dosimetry factors for three classes of adult computational phantoms with emphasis on I-131 in the thyroid. <i>Physics in Medicine and Biology</i> , 2011, 56, 7317-7335.	3.0	34
62	Mortality from Cardiovascular Diseases in the Semipalatinsk Historical Cohort, 1960–1999, and its Relationship to Radiation Exposure. <i>Radiation Research</i> , 2011, 176, 660-669.	1.5	32
63	RESPONSE TO MUSOLINO AND GREENHOUSE. <i>Health Physics</i> , 2011, 100, 229-230.	0.5	0
64	ORGAN-SPECIFIC EXTERNAL DOSE COEFFICIENTS AND PROTECTIVE APRON TRANSMISSION FACTORS FOR HISTORICAL DOSE RECONSTRUCTION FOR MEDICAL PERSONNEL. <i>Health Physics</i> , 2011, 101, 13-27.	0.5	28
65	Behavior and food consumption pattern of the population exposed in 1949–1962 to fallout from Semipalatinsk nuclear test site in Kazakhstan. <i>Radiation and Environmental Biophysics</i> , 2011, 50, 91-103.	1.4	17
66	CURRENT USE AND FUTURE NEEDS OF BIODOSIMETRY IN STUDIES OF LONG-TERM HEALTH RISK FOLLOWING RADIATION EXPOSURE. <i>Health Physics</i> , 2010, 98, 109-117.	0.5	25
67	ALIMENTARY TRACT ABSORPTION (f <sub>1</sub> VALUES) FOR RADIONUCLIDES IN LOCAL AND REGIONAL FALLOUT FROM NUCLEAR TESTS. <i>Health Physics</i> , 2010, 99, 233-251.	0.5	12
68	URINARY EXCRETION OF RADIONUCLIDES FROM MARSHALLESE EXPOSED TO FALLOUT FROM THE 1954 BRAVO NUCLEAR TEST. <i>Health Physics</i> , 2010, 99, 217-232.	0.5	12
69	PREDICTIONS OF DISPERSION AND DEPOSITION OF FALLOUT FROM NUCLEAR TESTING USING THE NOAA-HYSPLIT METEOROLOGICAL MODEL. <i>Health Physics</i> , 2010, 99, 252-269.	0.5	26
70	Polymorphisms in oxidative stress and inflammation pathway genes, low-dose ionizing radiation, and the risk of breast cancer among US radiologic technologists. <i>Cancer Causes and Control</i> , 2010, 21, 1857-1866.	1.8	34
71	RADIATION DOSES AND CANCER RISKS IN THE MARSHALL ISLANDS ASSOCIATED WITH EXPOSURE TO RADIOACTIVE FALLOUT FROM BIKINI AND ENEWETAK NUCLEAR WEAPONS TESTS: SUMMARY. <i>Health Physics</i> , 2010, 99, 105-123.	0.5	65
72	PROJECTED LIFETIME CANCER RISKS FROM EXPOSURE TO REGIONAL RADIOACTIVE FALLOUT IN THE MARSHALL ISLANDS. <i>Health Physics</i> , 2010, 99, 201-215.	0.5	35

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73	DOSES FROM EXTERNAL IRRADIATION TO MARSHALL ISLANDERS FROM BIKINI AND ENEWETAK NUCLEAR WEAPONS TESTS. Health Physics, 2010, 99, 143-156.	0.5	20
74	FALLOUT DEPOSITION IN THE MARSHALL ISLANDS FROM BIKINI AND ENEWETAK NUCLEAR WEAPONS TESTS. Health Physics, 2010, 99, 124-142.	0.5	30
75	ACUTE AND CHRONIC INTAKES OF FALLOUT RADIONUCLIDES BY MARSHALLESE FROM NUCLEAR WEAPONS TESTING AT BIKINI AND ENEWETAK AND RELATED INTERNAL RADIATION DOSES. Health Physics, 2010, 99, 157-200.	0.5	33
76	Novel Breast Cancer Risk Alleles and Interaction with Ionizing Radiation among U.S. Radiologic Technologists. Radiation Research, 2010, 173, 214-224.	1.5	32
77	Historical Review of Occupational Exposures and Cancer Risks in Medical Radiation Workers. Radiation Research, 2010, 174, 793-808.	1.5	146
78	Radiation Organ Doses Received by U.S. Radiologic Technologists:. Radiation Research, 2010, , .	1.5	1
79	Polymorphisms in estrogen biosynthesis and metabolism-related genes, ionizing radiation exposure, and risk of breast cancer among US radiologic technologists. Breast Cancer Research and Treatment, 2009, 118, 177-184.	2.5	18
80	Polymorphisms in DNA repair genes, ionizing radiation exposure and risk of breast cancer in U.S. Radiologic technologists. International Journal of Cancer, 2008, 122, 177-182.	5.1	58
81	Nucleotide excision repair polymorphisms may modify ionizing radiation-related breast cancer risk in US radiologic technologists. International Journal of Cancer, 2008, 123, 2713-2716.	5.1	54
82	Risk of Cataract after Exposure to Low Doses of Ionizing Radiation: A 20-Year Prospective Cohort Study among US Radiologic Technologists. American Journal of Epidemiology, 2008, 168, 620-631.	3.4	318
83	Increased Frequency of Chromosome Translocations Associated with Diagnostic X-Ray Examinations. Radiation Research, 2008, 170, 149-155.	1.5	26
84	Breast Cancer Risk Polymorphisms and Interaction with Ionizing Radiation among U.S. Radiologic Technologists. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 2007-2011.	2.5	32
85	OCCUPATIONAL RADIATION DOSES TO OPERATORS PERFORMING CARDIAC CATHETERIZATION PROCEDURES. Health Physics, 2008, 94, 211-227.	0.5	227
86	Polymorphisms in Apoptosis- and Proliferation-Related Genes, Ionizing Radiation Exposure, and Risk of Breast Cancer among U.S. Radiologic Technologists. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 2000-2007.	2.5	45
87	Retrospective Biodosimetry among United States Radiologic Technologists. Radiation Research, 2007, 167, 727-734.	1.5	36
88	EPR tooth dosimetry of SNTS area inhabitants. Radiation Measurements, 2007, 42, 1037-1040.	1.4	14
89	BiodosEPR-2006 consensus committee report on biodosimetric methods to evaluate radiation doses at long times after exposure. Radiation Measurements, 2007, 42, 948-971.	1.4	35
90	2004 Update of Dosimetry for the Utah Thyroid Cohort Study. Radiation Research, 2006, 165, 208-222.	1.5	22

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91	Estimating Historical Radiation Doses to a Cohort of U.S. Radiologic Technologists. Radiation Research, 2006, 166, 174-192.	1.5	72
92	Dosimetry for Epidemiological Studies: Learning from the Past, Looking to the Future. Radiation Research, 2006, 166, 313-318.	1.5	12
93	Retrospective Dose Assessment for the Population Living in Areas of Local Fallout from the Semipalatinsk Nuclear Test Site Part I: External Exposure. Journal of Radiation Research, 2006, 47, A129-A136.	1.6	32
94	External Dose Estimates for Dolon Village: Application of the U.S./Russian Joint Methodology. Journal of Radiation Research, 2006, 47, A143-A147.	1.6	24
95	Retrospective Dose Assessment for the Population Living in Areas of Local Fallout from the Semipalatinsk Nuclear Test Site Part II: Internal Exposure to Thyroid. Journal of Radiation Research, 2006, 47, A137-A141.	1.6	20
96	Thyroid Disease Associated With Exposure to the Nevada Nuclear Weapons Test Site Radiation. Epidemiology, 2006, 17, 604-614.	2.7	76
97	Uses of Dosimetry in Radiation Epidemiology. Radiation Research, 2006, 166, 125-127.	1.5	15
98	Review of Methods of Dose Estimation for Epidemiological Studies of the Radiological Impact of Nevada Test Site and Global Fallout. Radiation Research, 2006, 166, 209-218.	1.5	13
99	Fallout from Nuclear Weapons Tests and Cancer Risks. American Scientist, 2006, 94, 48.	0.1	38
100	Dosimetric considerations for environmental radiation and NORM. International Congress Series, 2005, 1276, 89-92.	0.2	0
101	The geographic distribution of radionuclide deposition across the continental US from atmospheric nuclear testing. Journal of Environmental Radioactivity, 2004, 74, 91-105.	1.7	49
102	A SUMMARY OF EVIDENCE ON RADIATION EXPOSURES RECEIVED NEAR TO THE SEMIPALATINSK NUCLEAR WEAPONS TEST SITE IN KAZAKHSTAN. Health Physics, 2003, 84, 718-725.	0.5	35
103	HEALTH EFFECTS FROM FALLOUT. Health Physics, 2002, 82, 726-735.	0.5	43
104	RADIATION DOSES TO LOCAL POPULATIONS NEAR NUCLEAR WEAPONS TEST SITES WORLDWIDE. Health Physics, 2002, 82, 706-725.	0.5	41
105	MOVEMENT OF RADIONUCLIDES IN TERRESTRIAL ECOSYSTEMS BY PHYSICAL PROCESSES. Health Physics, 2002, 82, 669-679.	0.5	57
106	TRANSFER OF <sup>131</sup> I INTO HUMAN BREAST MILK AND TRANSFER COEFFICIENTS FOR RADIOLOGICAL DOSE ASSESSMENTS. Health Physics, 2002, 82, 796-806.	0.5	40
107	ESTIMATES OF DOSES FROM GLOBAL FALLOUT. Health Physics, 2002, 82, 690-705.	0.5	28
108	Concentrations and spatial distribution of plutonium in the terrestrial environment of the Marshall Islands. Science of the Total Environment, 1999, 229, 21-39.	8.0	16

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109	Soil Ingestion by Humans. Health Physics, 1998, 74, 647-672.	0.5	57
110	A Brief History of People and Events Related to Atomic Weapons Testing in the Marshall Islands. Health Physics, 1997, 73, 5-20.	0.5	50
111	Findings of the First Comprehensive Radiological Monitoring Program of the Republic of the Marshall Islands. Health Physics, 1997, 73, 66-85.	0.5	35