

Steven L Simon

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,813
citations

29
h-index

46
g-index

112
ext. papers

3,199
ext. citations

3.3
avg, IF

4.86
L-index

#	Paper	IF	Citations
108	Risk of cataract after exposure to low doses of ionizing radiation: a 20-year prospective cohort study among US radiologic technologists. <i>American Journal of Epidemiology</i> , 2008 , 168, 620-31	3.8	254
107	Occupational radiation doses to operators performing cardiac catheterization procedures. <i>Health Physics</i> , 2008 , 94, 211-27	2.3	192
106	Historical review of occupational exposures and cancer risks in medical radiation workers. <i>Radiation Research</i> , 2010 , 174, 793-808	3.1	113
105	Occupational radiation doses to operators performing fluoroscopically-guided procedures. <i>Health Physics</i> , 2012 , 103, 80-99	2.3	105
104	Association of Radioactive Iodine Treatment With Cancer Mortality in Patients With Hyperthyroidism. <i>JAMA Internal Medicine</i> , 2019 , 179, 1034-1042	11.5	85
103	Thyroid disease associated with exposure to the Nevada nuclear weapons test site radiation: a reevaluation based on corrected dosimetry and examination data. <i>Epidemiology</i> , 2006 , 17, 604-14	3.1	66
102	Estimating historical radiation doses to a cohort of U.S. radiologic technologists. <i>Radiation Research</i> , 2006 , 166, 174-92	3.1	63
101	Polymorphisms in DNA repair genes, ionizing radiation exposure and risk of breast cancer in U.S. Radiologic technologists. <i>International Journal of Cancer</i> , 2008 , 122, 177-82	7.5	53
100	Radiation organ doses received in a nationwide cohort of U.S. radiologic technologists: methods and findings. <i>Radiation Research</i> , 2014 , 182, 507-28	3.1	51
99	Nucleotide excision repair polymorphisms may modify ionizing radiation-related breast cancer risk in US radiologic technologists. <i>International Journal of Cancer</i> , 2008 , 123, 2713-6	7.5	51
98	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, 105-23	2.3	46
97	Movement of radionuclides in terrestrial ecosystems by physical processes. <i>Health Physics</i> , 2002 , 82, 669-79	2.3	45
96	Soil ingestion by humans: a review of history, data, and etiology with application to risk assessment of radioactively contaminated soil. <i>Health Physics</i> , 1998 , 74, 647-72	2.3	43
95	The geographic distribution of radionuclide deposition across the continental US from atmospheric nuclear testing. <i>Journal of Environmental Radioactivity</i> , 2004 , 74, 91-105	2.4	40
94	A prospective study of medical diagnostic radiography and risk of thyroid cancer. <i>American Journal of Epidemiology</i> , 2013 , 177, 800-9	3.8	39
93	A brief history of people and events related to atomic weapons testing in the Marshall Islands. <i>Health Physics</i> , 1997 , 73, 5-20	2.3	38
92	Polymorphisms in apoptosis- and proliferation-related genes, ionizing radiation exposure, and risk of breast cancer among U.S. Radiologic Technologists. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2007 , 16, 2000-7	4	38

91	Health effects from fallout. <i>Health Physics</i> , 2002 , 82, 726-35	2.3	38
90	Association of chromosome translocation rate with low dose occupational radiation exposures in U.S. radiologic technologists. <i>Radiation Research</i> , 2014 , 182, 1-17	3.1	36
89	Accounting for shared and unshared dosimetric uncertainties in the dose response for ultrasound-detected thyroid nodules after exposure to radioactive fallout. <i>Radiation Research</i> , 2015 , 183, 159-173	3.1	35
88	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	12.1	35
87	Retrospective biodosimetry among United States radiologic technologists. <i>Radiation Research</i> , 2007 , 167, 727-34	3.1	34
86	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 ³¹	5.4	31
85	The two-dimensional Monte Carlo: a new methodologic paradigm for dose reconstruction for epidemiological studies. <i>Radiation Research</i> , 2015 , 183, 27-41	3.1	31
84	BiodosEPR-2006 consensus committee report on biodosimetric methods to evaluate radiation doses at long times after exposure. <i>Radiation Measurements</i> , 2007 , 42, 948-971	1.5	31
83	A summary of evidence on radiation exposures received near to the Semipalatinsk nuclear weapons test site in Kazakhstan. <i>Health Physics</i> , 2003 , 84, 718-25	2.3	30
82	Radiation doses to local populations near nuclear weapons test sites worldwide. <i>Health Physics</i> , 2002 , 82, 706-25	2.3	30
81	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	3.7	30
80	Risk of esophageal cancer following radiotherapy for Hodgkin lymphoma. <i>Haematologica</i> , 2014 , 99, e19366	3.6	29
79	Work history and mortality risks in 90,268 US radiological technologists. <i>Occupational and Environmental Medicine</i> , 2014 , 71, 819-35	2.1	29
78	Projected lifetime cancer risks from exposure to regional radioactive fallout in the Marshall Islands. <i>Health Physics</i> , 2010 , 99, 201-15	2.3	29
77	Breast cancer risk polymorphisms and interaction with ionizing radiation among U.S. radiologic technologists. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2008 , 17, 2007-11	4	29
76	Retrospective dose assessment for the population living in areas of local fallout from the Semipalatinsk nuclear test site Part I: External exposure. <i>Journal of Radiation Research</i> , 2006 , 47 Suppl A, A129-36	2.4	29
75	Transfer of 131I into human breast milk and transfer coefficients for radiological dose assessments. <i>Health Physics</i> , 2002 , 82, 796-806	2.3	29
74	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, 1857-66	2.8	28

73	Mortality from cardiovascular diseases in the Semipalatinsk historical cohort, 1960-1999, and its relationship to radiation exposure. <i>Radiation Research</i> , 2011 , 176, 660-9	3.1	27
72	Novel breast cancer risk alleles and interaction with ionizing radiation among U.S. radiologic technologists. <i>Radiation Research</i> , 2010 , 173, 214-24	3.1	27
71	Findings of the first comprehensive radiological monitoring program of the Republic of the Marshall Islands. <i>Health Physics</i> , 1997 , 73, 66-85	2.3	27
70	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, 7317-35	3.8	26
69	Acute and chronic intakes of fallout radionuclides by Marshallese from nuclear weapons testing at Bikini and Enewetak and related internal radiation doses. <i>Health Physics</i> , 2010 , 99, 157-200	2.3	26
68	Increased frequency of chromosome translocations associated with diagnostic x-ray examinations. <i>Radiation Research</i> , 2008 , 170, 149-55	3.1	25
67	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	2.3	24
66	Fallout deposition in the Marshall Islands from Bikini and Enewetak nuclear weapons tests. <i>Health Physics</i> , 2010 , 99, 124-42	2.3	24
65	Bayesian dose-response analysis for epidemiological studies with complex uncertainty in dose estimation. <i>Statistics in Medicine</i> , 2016 , 35, 399-423	2.3	23
64	Thyroid Dose Estimates for a Cohort of Belarusian Children Exposed to (131)I from the Chernobyl Accident: Assessment of Uncertainties. <i>Radiation Research</i> , 2015 , 184, 203-18	3.1	22
63	Current use and future needs of biodosimetry in studies of long-term health risk following radiation exposure. <i>Health Physics</i> , 2010 , 98, 109-17	2.3	22
62	Predictions of dispersion and deposition of fallout from nuclear testing using the NOAA-HYSPLIT meteorological model. <i>Health Physics</i> , 2010 , 99, 252-69	2.3	22
61	Chromosome Translocations, Inversions and Telomere Length for Retrospective Biodosimetry on Exposed U.S. Atomic Veterans. <i>Radiation Research</i> , 2019 , 191, 311-322	3.1	21
60	Occupational ionising radiation and risk of basal cell carcinoma in US radiologic technologists (1983-2005). <i>Occupational and Environmental Medicine</i> , 2015 , 72, 862-9	2.1	21
59	2004 update of dosimetry for the Utah Thyroid Cohort Study. <i>Radiation Research</i> , 2006 , 165, 208-22	3.1	21
58	External dose estimates for Dolon village: application of the U.S./Russian joint methodology. <i>Journal of Radiation Research</i> , 2006 , 47 Suppl A, A143-7	2.4	21
57	Estimates of doses from global fallout. <i>Health Physics</i> , 2002 , 82, 690-705	2.3	21
56	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	7.5	19

55	Fallout from Nuclear Weapons Tests and Cancer Risks. <i>American Scientist</i> , 2006 , 94, 48	2.7	19
54	Doses from external irradiation to Marshall Islanders from Bikini and Enewetak nuclear weapons tests. <i>Health Physics</i> , 2010 , 99, 143-56	2.3	18
53	Cancer and circulatory disease risks in US radiologic technologists associated with performing procedures involving radionuclides. <i>Occupational and Environmental Medicine</i> , 2015 , 72, 770-6	2.1	17
52	BODY SIZE-SPECIFIC EFFECTIVE DOSE CONVERSION COEFFICIENTS FOR CT SCANS. <i>Radiation Protection Dosimetry</i> , 2016 , 172, 428-437	0.9	17
51	Organ Dose Estimates for Hyperthyroid Patients Treated with (131)I: An Update of the Thyrotoxicosis Follow-Up Study. <i>Radiation Research</i> , 2015 , 184, 595-610	3.1	17
50	Workshop Report on Atomic Bomb Dosimetry--Review of Dose Related Factors for the Evaluation of Exposures to Residual Radiation at Hiroshima and Nagasaki. <i>Health Physics</i> , 2015 , 109, 582-600	2.3	17
49	Use of radiopharmaceuticals in diagnostic nuclear medicine in the United States: 1960-2010. <i>Health Physics</i> , 2015 , 108, 520-37	2.3	16
48	Polymorphisms in estrogen biosynthesis and metabolism-related genes, ionizing radiation exposure, and risk of breast cancer among US radiologic technologists. <i>Breast Cancer Research and Treatment</i> , 2009 , 118, 177-84	4.4	16
47	Estimated Radiation Doses Received by New Mexico Residents from the 1945 Trinity Nuclear Test. <i>Health Physics</i> , 2020 , 119, 428-477	2.3	14
46	S values for 131I based on the ICRP adult voxel phantoms. <i>Radiation Protection Dosimetry</i> , 2016 , 168, 92-110	0.9	13
45	EPR TOOTH DOSIMETRY OF SNTS AREA INHABITANTS. <i>Radiation Measurements</i> , 2007 , 42, 1037-1040	1.5	13
44	Review of methods of dose estimation for epidemiological studies of the radiological impact of nevada test site and global fallout. <i>Radiation Research</i> , 2006 , 166, 209-18	3.1	13
43	Retrospective dose assessment for the population living in areas of local fallout from the Semipalatinsk Nuclear Test Site Part II: Internal exposure to thyroid. <i>Journal of Radiation Research</i> , 2006 , 47 Suppl A, A137-41	2.4	13
42	Concentrations and spatial distribution of plutonium in the terrestrial environment of the Marshall Islands. <i>Science of the Total Environment</i> , 1999 , 229, 21-39	10.2	13
41	Occupational radiation exposure and glaucoma and macular degeneration in the US radiologic technologists. <i>Scientific Reports</i> , 2018 , 8, 10481	4.9	12
40	Guidelines for exposure assessment in health risk studies following a nuclear reactor accident. <i>Environmental Health Perspectives</i> , 2014 , 122, 1-5	8.4	12
39	Urinary excretion of radionuclides from Marshallese exposed to fallout from the 1954 Bravo nuclear test. <i>Health Physics</i> , 2010 , 99, 217-32	2.3	12
38	Uses of dosimetry in radiation epidemiology. <i>Radiation Research</i> , 2006 , 166, 125-7	3.1	12

37	Thyroid Radiation Dose to Patients from Diagnostic Radiology Procedures over Eight Decades: 1930-2010. <i>Health Physics</i> , 2017 , 113, 458-473	2.3	11
36	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, 297-310	3.1	11
35	Dosimetry for epidemiological studies: learning from the past, looking to the future. <i>Radiation Research</i> , 2006 , 166, 313-8	3.1	11
34	The Methodology Used to Assess Doses from the First Nuclear Weapons Test (Trinity) to the Populations of New Mexico. <i>Health Physics</i> , 2020 , 119, 400-427	2.3	11
33	Measurement of Fukushima-related radioactive contamination in aquatic species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3720-1	11.5	10
32	Alimentary tract absorption (f1 values) for radionuclides in local and regional fallout from nuclear tests. <i>Health Physics</i> , 2010 , 99, 233-51	2.3	10
31	Accounting for Unfissioned Plutonium from the Trinity Atomic Bomb Test. <i>Health Physics</i> , 2020 , 119, 504-516	2.3	10
30	Nuclear medicine practices in the 1950s through the mid-1970s and occupational radiation doses to technologists from diagnostic radioisotope procedures. <i>Health Physics</i> , 2014 , 107, 300-10	2.3	9
29	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	2	9
28	Dose coefficients for ICRP reference pediatric phantoms exposed to idealised external gamma fields. <i>Journal of Radiological Protection</i> , 2017 , 37, 127-146	1.2	8
27	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, 136-45	2.8	8
26	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,	2.3	8
25	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	2.1	7
24	Health effects of nuclear weapons testing. <i>Lancet, The</i> , 2015 , 386, 407-9	4.0	7
23	Occupational radiation and haematopoietic malignancy mortality in the retrospective cohort study of US radiologic technologists, 1983-2012. <i>Occupational and Environmental Medicine</i> , 2020 , 77, 822-831	2.1	7
22	Dose Estimation for Exposure to Radioactive Fallout from Nuclear Detonations.. <i>Health Physics</i> , 2022 , 122, 1-20	2.3	7
21	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	3	7
20	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	1.2	6

19	Radiation-exposed populations: who, why, and how to study. <i>Health Physics</i> , 2014 , 106, 182-95	2.3	6
18	A Methodology for Estimating External Doses to Individuals and Populations Exposed to Radioactive Fallout from Nuclear Detonations.. <i>Health Physics</i> , 2022 , 122, 54-83	2.3	6
17	A Method for Estimating the Deposition Density of Fallout on the Ground and on Vegetation from a Low-yield, Low-altitude Nuclear Detonation.. <i>Health Physics</i> , 2022 , 122, 21-53	2.3	6
16	A Methodology for Calculation of Internal Dose Following Exposure to Radioactive Fallout from the Detonation of a Nuclear Fission Device.. <i>Health Physics</i> , 2022 , 122, 84-124	2.3	6
15	Methods and Findings on Diet and Lifestyle Used to Support Estimation of Radiation Doses from Radioactive Fallout from the Trinity Nuclear Test. <i>Health Physics</i> , 2020 , 119, 390-399	2.3	6
14	Lung cancer mortality associated with protracted low-dose occupational radiation exposures and smoking behaviors in U.S. radiologic technologists, 1983-2012. <i>International Journal of Cancer</i> , 2020 , 147, 3130-3138	7.5	5
13	Projected Cancer Risks to Residents of New Mexico from Exposure to Trinity Radioactive Fallout. <i>Health Physics</i> , 2020 , 119, 478-493	2.3	5
12	LONG-TERM BIODOSIMETRY REDUX. <i>Radiation Protection Dosimetry</i> , 2016 , 172, 244-247	0.9	5
11	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	5.4	5
10	Dose Coefficients for Internal Dose Assessments for Exposure to Radioactive Fallout.. <i>Health Physics</i> , 2022 , 122, 125-235	2.3	4
9	Parameter Values for Estimation of Internal Doses from Ingestion of Radioactive Fallout from Nuclear Detonations.. <i>Health Physics</i> , 2022 , 122, 236-268	2.3	4
8	Biological effectiveness of photons and electrons as a function of energy. <i>Health Physics</i> , 2015 , 108, 143-43		2
7	Dose Estimation for the European Epidemiological Study on Pediatric Computed Tomography (EPI-CT). <i>Radiation Research</i> , 2021 , 196, 74-99	3.1	2
6	NCRP Program Area Committee 6: Radiation Measurements and Dosimetry. <i>Health Physics</i> , 2016 , 110, 113-5	2.3	1
5	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	1.2	0
4	Fluoroscopy X-Ray Organ-Specific Dosimetry System (FLUXOR) for Estimation of Organ Doses and Their Uncertainties in the Canadian Fluoroscopy Cohort Study. <i>Radiation Research</i> , 2021 , 195, 385-396	3.1	0
3	RESPONSE TO MUSOLINO AND GREENHOUSE. <i>Health Physics</i> , 2011 , 100, 229-230	2.3	
2	Dosimetric considerations for environmental radiation and NORM. <i>International Congress Series</i> , 2005 , 1276, 89-92		

- 1 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 1.4