

Valeriy Stepanenko

List of Publications by Year in descending order

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82
papers

1,834
citations

236612

25
h-index

276539

41
g-index

112
all docs

112
docs citations

112
times ranked

686
citing authors

#	ARTICLE	IF	CITATIONS
1	The second international intercomparison on EPR tooth dosimetry. Radiation Measurements, 2000, 32, 549-557.	0.7	111
2	Iodine deficiency, radiation dose, and the risk of thyroid cancer among children and adolescents in the Bryansk region of Russia following the Chernobyl power station accident. International Journal of Epidemiology, 2003, 32, 584-591.	0.9	111
3	Risk of Thyroid Cancer in the Bryansk Oblast of the Russian Federation after the Chernobyl Power Station Accident. Radiation Research, 2004, 162, 241-248.	0.7	100
4	Wide Scale EPR Retrospective Dosimetry: Results and Problems. Radiation Protection Dosimetry, 1997, 71, 175-180.	0.4	80
5	The first international intercomparison of EPR-dosimetry with teeth: First results. Applied Radiation and Isotopes, 1996, 47, 1281-1286.	0.7	77
6	The 3rd international intercomparison on EPR tooth dosimetry: Part 1, general analysis. Applied Radiation and Isotopes, 2005, 62, 163-171.	0.7	70
7	Childhood leukaemia in Belarus, Russia, and Ukraine following the Chernobyl power station accident: results from an international collaborative population-based case-control study. International Journal of Epidemiology, 2006, 35, 386-396.	0.9	70
8	The 4th international comparison on EPR dosimetry with tooth enamel. Radiation Measurements, 2011, 46, 765-771.	0.7	65
9	Application of EPR retrospective dosimetry for large-scale accidental situation. Applied Radiation and Isotopes, 2000, 52, 1275-1282.	0.7	49
10	EPR TOOTH ENAMEL DOSIMETRY. Health Physics, 2001, 81, 124-137.	0.3	48
11	INDIVIDUAL DOSE RECONSTRUCTION AMONG RESIDENTS LIVING IN THE VICINITY OF THE SEMIPALATINSK NUCLEAR TEST SITE USING EPR SPECTROSCOPY OF TOOTH ENAMEL. Health Physics, 2002, 83, 183-196.	0.3	48
12	Childhood Thyroid Cancer, Radiation Dose from Chernobyl, and Dose Uncertainties in Bryansk Oblast, Russia: A Population-Based Case-Control Study. Radiation Research, 2006, 166, 367-374.	0.7	44
13	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 1, general view. Radiation Measurements, 2007, 42, 1005-1014.	0.7	42
14	Comparison of sample preparation and signal evaluation methods for EPR analysis of tooth enamel. Applied Radiation and Isotopes, 2000, 52, 1059-1064.	0.7	41
15	THE APPLICATION OF RETROSPECTIVE LUMINESCENCE DOSIMETRY IN AREAS AFFECTED BY FALLOUT FROM THE SEMIPALATINSK NUCLEAR TEST SITE: AN EVALUATION OF POTENTIAL. Health Physics, 2004, 87, 625-641.	0.3	41
16	COMPARISON OF RETROSPECTIVE LUMINESCENCE DOSIMETRY WITH COMPUTATIONAL MODELING IN TWO HIGHLY CONTAMINATED SETTLEMENTS DOWNWIND OF THE CHERNOBYL NPP. Health Physics, 2004, 86, 25-41.	0.3	41
17	Optimisation of Recording Conditions for the Electron Paramagnetic Resonance Signal used in Dental Enamel Dosimetry. Radiation Protection Dosimetry, 2002, 101, 531-538.	0.4	39
18	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 2, Effects of spectrum processing. Radiation Measurements, 2007, 42, 1015-1020.	0.7	39

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19	Results of EPR Dosimetry for Population in the Vicinity of the Most Contaminating Radioactive Fallout Trace After the First Nuclear Test in the Semipalatinsk Test Site. <i>Journal of Radiation Research</i> , 2006, 47, A39-A46.	0.8	38
20	Tooth enamel EPR dosimetry: sources of errors and their correction. <i>Applied Radiation and Isotopes</i> , 2000, 52, 1291-1296.	0.7	35
21	RETROSPECTIVE LUMINESCENCE DOSIMETRY: DEVELOPMENT OF APPROACHES TO APPLICATION IN POPULATED AREAS DOWNWIND OF THE CHERNOBYL NPP. <i>Health Physics</i> , 2005, 89, 233-246.	0.3	33
22	Tooth Enamel EPR Dosimetry: Optimization of EPR Spectra Recording Parameters and Effect of Sample Mass on Spectral Sensitivity. <i>Journal of Radiation Research</i> , 2005, 46, 435-442.	0.8	30
23	DOSE RECONSTRUCTION BY EPR SPECTROSCOPY OF TOOTH ENAMEL: APPLICATION TO THE POPULATION OF ZABORIE VILLAGE EXPOSED TO HIGH RADIOACTIVE CONTAMINATION AFTER THE CHERNOBYL ACCIDENT. <i>Health Physics</i> , 2004, 86, 121-134.	0.3	28
24	Radiation Exposure Does Not Significantly Contribute to the Risk of Recurrence of Chernobyl Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 385-393.	1.8	28
25	Estimating individual thyroid doses for a case-control study of childhood thyroid cancer in Bryansk Oblast, Russia. <i>Radiation Protection Dosimetry</i> , 2004, 108, 143-160.	0.4	24
26	Elimination of the background signal in tooth enamel samples for EPR-dosimetry by means of physical chemical treatment. <i>Applied Radiation and Isotopes</i> , 2001, 55, 701-705.	0.7	22
27	Calibration of EPR signal dose response of tooth enamel to photons: experiment and Monte Carlo simulation. <i>Radiation Protection Dosimetry</i> , 2004, 108, 303-315.	0.4	22
28	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.	0.3	22
29	A Gradient of Radioactive Contamination in Dolon Village Near the SNTS and Comparison of Computed Dose Values with Instrumental Estimates for the 29 August, 1949 Nuclear Test. <i>Journal of Radiation Research</i> , 2006, 47, A149-A158.	0.8	21
30	Results of tooth enamel EPR dosimetry for population living in the vicinity of the Semipalatinsk nuclear test site. <i>Radiation Measurements</i> , 2007, 42, 1049-1052.	0.7	21
31	Internal exposure to neutron-activated ⁵⁶ Mn dioxide powder in Wistar rats – Part 2: pathological effects. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 55-61.	0.6	19
32	Intercomparison of Luminescence Measurements of Bricks from Dolon' Village: Experimental Methodology and Results of European Study Group. <i>Journal of Radiation Research</i> , 2006, 47, A29-A37.	0.8	18
33	DENTAL ENAMEL EPR DOSIMETRY: COMPARATIVE TESTING OF THE SPECTRA PROCESSING METHODS FOR DETERMINATION OF RADIATION-INDUCED SIGNAL AMPLITUDE. <i>Health Physics</i> , 2010, 98, 345-351.	0.3	17
34	ESR dosimetry study on population of settlements nearby Ust-Kamenogorsk city, Kazakhstan. <i>Radiation and Environmental Biophysics</i> , 2009, 48, 419-425.	0.6	15
35	Internal exposure to neutron-activated ⁵⁶ Mn dioxide powder in Wistar rats: part 1: dosimetry. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 47-54.	0.6	15
36	International Intercomparison of Retrospective Luminescence Dosimetry Method: Sampling and Distribution of the Brick Samples from Dolon' Village, Kazakhstan. <i>Journal of Radiation Research</i> , 2006, 47, A15-A21.	0.8	14

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37	ESR dosimetry study of population in the vicinity of the Semipalatinsk Nuclear Test Site. Journal of Radiation Research, 2013, 54, 775-779.	0.8	14
38	The Chernobyl childhood leukemia study: background & lessons learned. Environmental Health, 2004, 3, 12.	1.7	12
39	Thyroid and Whole-Body Dose Reconstruction in Russia Following the Chernobyl Accident: Review of Progress and Results. Radiation Protection Dosimetry, 1998, 77, 101-106.	0.4	11
40	The 1st Nuclear Test in the former USSR of 29 August 1949: Comparison of individual dose estimates by modeling with EPR retrospective dosimetry and luminescence retrospective dosimetry data for Dolon village, Kazakhstan. Radiation Measurements, 2007, 42, 1041-1048.	0.7	11
41	Spectra processing at tooth enamel dosimetry: Analytical description of EPR spectrum at different microwave power. Radiation Measurements, 2006, 41, 410-417.	0.7	10
42	Complex experimental research on internal tooth dosimetry for the Techa River region: A model for ⁹⁰ Sr accumulation in human teeth formed by time of intakes. Radiation Measurements, 2006, 41, 565-576.	0.7	10
43	Low-Dose Radiation Exposure with ⁵⁶ MnO ₂ Powder Changes Gene Expressions in the Testes and the Prostate in Rats. International Journal of Molecular Sciences, 2020, 21, 4989.	1.8	10
44	Biological impacts on the lungs in rats internally exposed to radioactive ⁵⁶ MnO ₂ particle. Scientific Reports, 2021, 11, 11055.	1.6	10
45	Measurement of absorbed doses from X-ray baggage examinations to tooth enamel by means of ESR and glass dosimetry. Radiation and Environmental Biophysics, 2008, 47, 541-545.	0.6	9
46	Comparative analysis between radiation doses obtained by EPR dosimetry using tooth enamel and established analytical methods for the population of radioactively contaminated territories. Radiation Protection Dosimetry, 2014, 159, 125-129.	0.4	9
47	Internal doses in experimental mice and rats following exposure to neutron-activated ⁵⁶ MnO ₂ powder: results of an international, multicenter study. Radiation and Environmental Biophysics, 2020, 59, 683-692.	0.6	9
48	Effects of Internal Exposure to ⁵⁶ MnO ₂ Powder on Blood Parameters in Rats. Eurasian Journal of Medicine, 2020, 52, 52-56.	0.2	9
49	Title is missing!. Atomic Energy, 2003, 95, 503-509.	0.1	8
50	ELEVATED EXPOSURE RATES UNDER INCLINED BIRCH TREES INDICATE THE OCCURRENCE OF RAINFALL DURING RADIOACTIVE FALLOUT FROM CHERNOBYL. Health Physics, 2002, 82, 240-243.	0.3	7
51	Determination of the Average Native Background and the Light-Induced EPR Signals and their Variation in the Teeth Enamel Based on Large-Scale Survey of the Population. Radiation Protection Dosimetry, 2016, 172, 265-274.	0.4	7
52	Impact of Local High Doses of Radiation by Neutron Activated Mn Dioxide Powder in Rat Lungs: Protracted Pathologic Damage Initiated by Internal Exposure. Biomedicines, 2020, 8, 171.	1.4	6
53	Dosimetry studies in Zaborie village. Applied Radiation and Isotopes, 2000, 52, 1165-1169.	0.7	5
54	Taking into account absorbed doses in tooth enamel due to internal irradiation of human body by radioactive cesium isotopes at analysis EPR dosimetry data: Calculation by Monte-Carlo method. Radiation Measurements, 2007, 42, 1190-1195.	0.7	5

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55	ESR dosimetry study for the residents of Kazakhstan exposed to radioactive fallout on 24, August 1956. Radiation Measurements, 2011, 46, 793-796.	0.7	5
56	Calculation of dose conversion factors for doses in the fingernails to organ doses at external gamma irradiation in air. Radiation Measurements, 2015, 82, 1-7.	0.7	5
57	Estimation of Dose Absorbed Fraction for ¹³¹ I-beta rays in Rat Thyroid.. Journal of Radiation Research, 1998, 39, 223-230.	0.8	4
58	Considerations Regarding the Implementation of EPR Dosimetry for the Population in the Vicinity of Semipalatinsk Nuclear Test Site Based on Experience from Other Radiation Accidents. Journal of Radiation Research, 2006, 47, A61-A69.	0.8	4
59	THE NEUTRON DOSE CONVERSION COEFFICIENTS CALCULATION IN HUMAN TOOTH ENAMEL IN AN ANTHROPOMORPHIC PHANTOM. Health Physics, 2010, 98, 369-377.	0.3	4
60	The influence of the Lop Nor Nuclear Weapons Test Base to the population of the Republic of Kazakhstan. Radiation Measurements, 2011, 46, 425-429.	0.7	4
61	EPR pilot study on the population of Stepnogorsk city living in the vicinity of a uranium processing plant. Radiation and Environmental Biophysics, 2015, 54, 145-149.	0.6	4
62	Comparison of calculated beta- and gamma-ray doses after the Fukushima accident with data from single-grain luminescence retrospective dosimetry of quartz inclusions in a brick sample. Journal of Radiation Research, 2018, 59, 286-290.	0.8	4
63	Hepatic Gene Expression Changes in Rats Internally Exposed to Radioactive ⁵⁶ MnO ₂ Particles at Low Doses. Current Issues in Molecular Biology, 2021, 43, 758-766.	1.0	4
64	ESR and TL dosimetry systems: comparative measurements for human phantom. Applied Radiation and Isotopes, 1996, 47, 1359-1363.	0.7	3
65	EPR DOSIMETRY STUDY FOR POPULATION RESIDING IN THE VICINITY OF FALLOUT TRACE FOR NUCLEAR TEST ON 7 AUGUST 1962. Radiation Protection Dosimetry, 2016, 172, 260-264.	0.4	3
66	I-129 and I-131 ground deposition densities are correlated in Belorussian settlements contaminated following the Chernobyl accident. International Congress Series, 2002, 1234, 115-120.	0.2	2
67	Tooth enamel EPR dosimetry of neutrons: Enhancement of the apparent sensitivity at irradiation in the human head phantom. Radiation Measurements, 2007, 42, 1171-1177.	0.7	2
68	Estimate of the Natural Irradiation Dose in Retrospective Luminescence Dosimetry. Atomic Energy, 2003, 94, 363-365.	0.1	1
69	Monte-Carlo Calculation of the ¹³⁷ Cs-Ray Dose Distribution Inside a Wall of a Building and in Air. Atomic Energy, 2003, 94, 428-433.	0.1	1
70	Radiation dose to providers of brachytherapy with microspheres of ¹²⁵ I for prostate cancer. Atomic Energy, 2007, 103, 641-646.	0.1	1
71	Effective dose of internal irradiation for residents of the most contaminated areas of Bryansk and Kaluga oblasts. Atomic Energy, 2007, 103, 725-730.	0.1	1
72	Irradiation dose for personnel during brachytherapy of malignant neoplasms with ³² P microspheres. Atomic Energy, 2008, 105, 298-302.	0.1	1

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73	Evaluation of external and internal irradiation on uranium mining enterprise staff by tooth enamel EPR spectroscopy. E3S Web of Conferences, 2017, 22, 00201.	0.2	1
74	Application of UV-Vis Optical Spectroscopy and X-ray Diffraction Methods to Describe the Effect of Alpha-Emitting Radionuclides (Radon) When They Are Detected by Solid-State Film Detectors. Polymers, 2022, 14, 2731.	2.0	1
75	Response of the pituitary-adrenocortical system to prolonged action of small doses released from an internal depot of [75Se] selenomethionine. Bulletin of Experimental Biology and Medicine, 1978, 85, 22-25.	0.3	0
76	Possibility of using porcelain samples of high-voltage line insulators for radiation dose reconstruction by EPR spectroscopy. Applied Radiation and Isotopes, 2001, 55, 843-848.	0.7	0
77	Re-evaluation of thyroid doses in Russia after the Chernobyl accident. International Congress Series, 2002, 1234, 321-328.	0.2	0
78	Accuracy of Irradiation Dose Determinations in Cohort Radiation-Epidemiological Investigations. Atomic Energy, 2003, 94, 286-289.	0.1	0
79	Calculation of the characteristics of the external irradiation of a human being as a result of ¹³⁷ Cs contamination of soil. Atomic Energy, 2008, 104, 149-155.	0.1	0
80	Internal irradiation of the thyroid gland in residents of Kaluga Oblast from results of ¹³¹ I content measurements performed in May 1986. Atomic Energy, 2008, 105, 124-132.	0.1	0
81	Radiation Dose Measurement by Electron Spin Resonance Studies of Tooth Enamel in Lime and Non-lime Consuming Individuals from the Silchar Region of Northeast India. Journal of Radiation Research, 2009, 50, 559-565.	0.8	0
82	Dosimetry study of East Kazakhstan residents by tooth enamel EPR spectroscopy. E3S Web of Conferences, 2017, 22, 00202.	0.2	0