

Sergey I Spiridonov

List of Publications by Year in descending order

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37
papers

495
citations

759233

12
h-index

642732

23
g-index

40
all docs

40
docs citations

40
times ranked

315
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of processes governing long-term accumulation of ¹³⁷ Cs by forest trees following the Chernobyl accident. <i>Radiation and Environmental Biophysics</i> , 2001, 40, 105-113.	1.4	58
2	¹³⁷ Cs availability for soil to understory transfer in different types of forest ecosystems. <i>Science of the Total Environment</i> , 2001, 269, 87-103.	8.0	57
3	Effects of radioactive contamination on Scots pines in the remote period after the Chernobyl accident. <i>Ecotoxicology</i> , 2011, 20, 1195-1208.	2.4	57
4	Dynamics of ¹³⁷ Cs bioavailability in a soil-plant system in areas of the Chernobyl Nuclear Power Plant accident zone with a different physico-chemical composition of radioactive fallout. <i>Journal of Environmental Radioactivity</i> , 1997, 34, 287-313.	1.7	39
5	Comparative radiation impact on biota and man in the area affected by the accident at the Chernobyl nuclear power plant. <i>Journal of Environmental Radioactivity</i> , 2005, 80, 1-25.	1.7	39
6	¹³⁷ Cs distribution among annual rings of different tree species contaminated after the Chernobyl accident. <i>Journal of Environmental Radioactivity</i> , 2003, 65, 19-28.	1.7	35
7	Radionuclide migration in forest ecosystems – results of a model validation study. <i>Journal of Environmental Radioactivity</i> , 2005, 84, 285-296.	1.7	35
8	Dynamics of ¹³⁷ Cs Concentration in Agricultural Products in Areas of Russia Contaminated as a Result of the Accident at the Chernobyl Nuclear Power Plant. <i>Radiation Protection Dosimetry</i> , 1995, 60, 155-166.	0.8	31
9	CHERNOBYL RADIONUCLIDE DISTRIBUTION, MIGRATION, AND ENVIRONMENTAL AND AGRICULTURAL IMPACTS. <i>Health Physics</i> , 2007, 93, 418-426.	0.5	30
10	Analysis of the contribution of forest pathways to the radiation exposure of different population groups in the Bryansk region of Russia. <i>Radiation and Environmental Biophysics</i> , 2000, 39, 291-300.	1.4	23
11	Effects of chronic exposure in populations of <i>Koeleria gracilis</i> Pers. from the Semipalatinsk nuclear test site, Kazakhstan. <i>Journal of Environmental Radioactivity</i> , 2012, 104, 55-63.	1.7	22
12	Decision making framework for application of forest countermeasures in the long term after the Chernobyl accident. <i>Journal of Environmental Radioactivity</i> , 2005, 82, 143-166.	1.7	20
13	Genetic variability in Scotch pine populations of the Bryansk Region radioactively contaminated in the Chernobyl accident. <i>Biophysics (Russian Federation)</i> , 2010, 55, 324-331.	0.7	9
14	Radiation Balance of Spent Nuclear Fuel from Thermal Reactors and the Equivalent Uranium Mass for Natural Organisms. <i>Atomic Energy</i> , 2014, 116, 428-432.	0.4	6
15	Title is missing!. <i>Russian Journal of Ecology</i> , 2003, 34, 104-109.	0.9	5
16	Radioecological Assessment of a Uranium Deposit for Validation of the Radiation-Migration Balance of Long-Lived Wastes. <i>Atomic Energy</i> , 2013, 114, 43-50.	0.4	5
17	Analysis of the Human Biohazard of Long-Lived Fission Products and Actinides for BREST-OD-300 Spent Fuel. <i>Atomic Energy</i> , 2017, 123, 122-126.	0.4	4
18	The use of cluster analysis to assess potential impact of atmospheric discharges from NPP on biota. <i>Radiation and Risk</i> , 2018, 27, 43-52.	0.2	3

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19	Generalized Approach to Comparative Assessment of the Effect of Radiation from Nuclear Fuel Cycles on Biota. Atomic Energy, 2015, 118, 425-430.	0.4	2
20	Environmental Aspects of a Pilot Power Complex in Project Breakthrough. Atomic Energy, 2016, 120, 380-387.	0.4	2
21	Radioecological Validation of the Extraction Parameters of Fission Products and Actinides from Spent Nuclear Fuel from the BREST-OD-300 Reactor. Atomic Energy, 2017, 121, 214-219.	0.4	2
22	Comparative Radioecological Assessment of Serious-Accident Scenarios in NPP on the Basis of the Risk for Natural Communities. Atomic Energy, 2019, 125, 198-203.	0.4	2
23	Model for assessing the irradiation doses of pasture vegetation. Russian Agricultural Sciences, 2009, 35, 244-248.	0.2	1
24	Estimation of the Radiation Dose to the Public Due to Atmospheric Emissions from the Rostov NPP. Atomic Energy, 2014, 115, 197-200.	0.4	1
25	Integral Indices of the Radiological Effect of Open and Closed Fuel Cycle Objects on the General Population. Atomic Energy, 2015, 118, 64-71.	0.4	1
26	Irradiation Dose of the Woody Tier of a Coniferous Forest Due to Accidental Emissions from NPP. Atomic Energy, 2018, 123, 202-208.	0.4	1
27	Assessment of the effect of discharges from the novovoronezh atomic power plant on forest stands. Atomic Energy, 1993, 75, 819-824.	0.4	0
28	Analysis of Factors Determining Accumulation of ¹³⁷ Cs by Woody Plants. Russian Journal of Ecology, 2003, 34, 309-313.	0.9	0
29	Regulatory radiation risks for the population and natural objects within the semipalatinsk test site. Radioprotection, 2009, 44, 251-257.	1.0	0
30	Estimation of radiation non-regulatory stochastic risks for meadow plants of the semipalatinsk test site. Radioprotection, 2009, 44, 259-264.	1.0	0
31	Systems radioecology: Modeling of ecological processes and assessment of radiation risks. Biophysics (Russian Federation), 2010, 55, 484-490.	0.7	0
32	Evaluation of the Effect of Radiation on the Biota Within the Regions of the Leningradskaya and Beloyarskaya NPPs. Atomic Energy, 2016, 119, 213-217.	0.4	0
33	Prediction of the exposure of atmospheric releases from Baltic nuclear power plant to members of the public and non-human biota. Journal of Physics: Conference Series, 2020, 1701, 012007.	0.4	0
34	Software for estimating radiation dose to reference organisms following long-term exposure to radioactive fallouts. Radiation and Risk, 2017, 26, 75-89.	0.2	0
35	Radioecological balance of long-lived wastes of fast reactor and radioactive raw materials. Regional Ecology, 2018, 51, 11.	0.1	0
36	Estimated radiation doses to the population from exposure to routine atmospheric releases during long-term operation of the Leningrad NPP-2. Radiation and Risk, 2018, 27, 20-27.	0.2	0

#	ARTICLE	IF	CITATIONS
37	The effects of acute irradiation on a forest biogeocenosis; experimental data, model and practical applications for accidental cases. Science of the Total Environment, 1994, 157, 357-369.	8.0	0