

Aleksei Konoplev

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

2,211
citations

257450

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233421

45
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96
all docs

96
docs citations

96
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors Controlling the Dissolved ¹³⁷ Cs Seasonal Fluctuations in the Abukuma River Under the Influence of the Fukushima Nuclear Power Plant Accident. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, e2021JG006591.	3.0	6
2	A comparative study of riverine ¹³⁷ Cs dynamics during high-flow events at three contaminated river catchments in Fukushima. <i>Science of the Total Environment</i> , 2022, 821, 153408.	8.0	5
3	Erosion and Redeposition of Sediments and Sediment-Associated Radiocesium on River Floodplains (the Niida River Basin and the Abukuma River as an Example). , 2022, , 97-133.		2
4	Reconstruction of the Long-Term Dynamics of Particulate Concentrations and Solidâ€“Liquid Distribution of Radiocesium in Three Severely Contaminated Water Bodies of the Chernobyl Exclusion Zone Based on Current Depth Distribution in Bottom Sediments. <i>Land</i> , 2022, 11, 29.	2.9	0
5	Mid- to long-term radiocesium wash-off from contaminated catchments at Chernobyl and Fukushima. <i>Water Research</i> , 2021, 188, 116514.	11.3	20
6	Radiocesium distribution and mid-term dynamics in the ponds of the Fukushima Dai-ichi nuclear power plant exclusion zone in 2015â€“2019. <i>Chemosphere</i> , 2021, 265, 129058.	8.2	25
7	Erosion as a Factor of Transformation of Soil Radioactive Contamination in the Basin of the Shchekino Reservoir (Tula Region). <i>Eurasian Soil Science</i> , 2021, 54, 291-303.	1.6	9
8	Using reservoir sediment deposits to determine the longer-term fate of chernobyl-derived ¹³⁷ Cs fallout in the fluvial system. <i>Environmental Pollution</i> , 2021, 274, 116588.	7.5	13
9	Transformation of Radiocesium Speciation in Ponds at the Vicinity of Fukushima Dai-ichi Nuclear Power Plant and Dynamics of Its Distribution in Sedimentâ€“Water System. <i>Russian Meteorology and Hydrology</i> , 2021, 46, 312-318.	1.3	0
10	Semi-Empirical Diffusional Model of Radionuclide Wash-Off from Contaminated Watersheds and Its Testing Using Monitoring Data for Fukushima and Chernobyl Rivers. <i>Geochemistry International</i> , 2021, 59, 607-617.	0.7	1
11	Importance of desorption process from Abukuma River's suspended particles in increasing dissolved ¹³⁷ Cs in coastal water during river-flood caused by typhoons. <i>Chemosphere</i> , 2021, 281, 130751.	8.2	11
12	Reconstruction of time changes in radiocesium concentrations in the river of the Fukushima Dai-ichi NPP contaminated area based on its depth distribution in dam reservoir's bottom sediments. <i>Environmental Research</i> , 2021, 206, 112307.	7.5	2
13	Impact of wildfire on ¹³⁷ Cs and ⁹⁰ Sr wash-off in heavily contaminated forests in the Chernobyl exclusion zone. <i>Environmental Pollution</i> , 2020, 259, 113764.	7.5	16
14	Simulating dissolved ⁹⁰ Sr concentrations within a small catchment in the Chernobyl Exclusion Zone using a parametric hydrochemical model. <i>Scientific Reports</i> , 2020, 10, 9818.	3.3	4
15	Behavior of Radionuclides in the Environment II. , 2020, , .		9
16	Distribution and Dynamics of Radionuclides in the Chernobyl Cooling Pond. , 2020, , 349-405.		2
17	Long-Term Dynamics of the Chernobyl-Derived Radionuclides in Rivers and Lakes. , 2020, , 323-348.		4
18	Mobility and Bioavailability of the Chernobyl-Derived Radionuclides in Soilâ€“Water Environment: Review. , 2020, , 157-193.		7

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19	Strong contrast of cesium radioactivity between marine and freshwater fish in Fukushima. <i>Journal of Environmental Radioactivity</i> , 2019, 204, 132-142.	1.7	71
20	Assessment of gamma radiation from a limited area of forest floor using a cumulative personal dosimeter. <i>Journal of Environmental Radioactivity</i> , 2019, 204, 95-103.	1.7	6
21	Natural attenuation of Fukushima-derived radiocesium in soils due to its vertical and lateral migration. <i>Journal of Environmental Radioactivity</i> , 2018, 186, 23-33.	1.7	31
22	Radioactive and stable cesium isotope distributions and dynamics in Japanese cedar forests. <i>Journal of Environmental Radioactivity</i> , 2018, 186, 34-44.	1.7	30
23	Application of bomb- and Chernobyl-derived radiocaesium for reconstructing changes in erosion rates and sediment fluxes from croplands in areas of European Russia with different levels of Chernobyl fallout. <i>Journal of Environmental Radioactivity</i> , 2018, 186, 78-89.	1.7	20
24	Consequences of the river valley bottom transformation after extreme flood (on the example of the) Tj ETQq0 0 0 rgBT /Overlock 10 TF 5	0.3	0
25	Radiocesium in Ponds in the Near Zone of Fukushima Dai-ichi NPP. <i>Water Resources</i> , 2018, 45, 589-597.	0.9	18
26	Radiocesium distribution and fluxes in the typical <i>Cryptomeria japonica</i> forest at the late stage after the accident at Fukushima Dai-ichi Nuclear Power Plant. <i>Journal of Environmental Radioactivity</i> , 2017, 166, 45-55.	1.7	50
27	Behavior of ¹³⁷ Cs in ponds in the vicinity of the Fukushima Dai-ichi nuclear power plant. <i>Journal of Environmental Radioactivity</i> , 2017, 178-179, 367-376.	1.7	33
28	Vertical distribution of radiocesium in soils of the area affected by the Fukushima Dai-ichi nuclear power plant accident. <i>Eurasian Soil Science</i> , 2016, 49, 570-580.	1.6	30
29	Implementation of Hydrological Dispersion Module of JRODOS for the assessment of ¹³⁷ Cs transport and fate in rivers, reservoirs and ponds of the Fukushima Prefecture. <i>Radioprotection</i> , 2016, 51, S145-S148.	1.0	1
30	Thirty years after the Chernobyl accident: What lessons have we learnt?. <i>Journal of Environmental Radioactivity</i> , 2016, 157, 77-89.	1.7	151
31	Comparative analysis of radioactive cesium wash-off from contaminated catchment areas after accidents at the Fukushima Dai-ichi and Chernobyl nuclear power plants. <i>Geochemistry International</i> , 2016, 54, 522-528.	0.7	14
32	Thirty years after the Chernobyl accident – 30 key papers published in the <i>Journal of Environmental Radioactivity</i> . <i>Journal of Environmental Radioactivity</i> , 2016, 157, 38-40.	1.7	8
33	Behavior of accidentally released radiocesium in soil–water environment: Looking at Fukushima from a Chernobyl perspective. <i>Journal of Environmental Radioactivity</i> , 2016, 151, 568-578.	1.7	87
34	Distribution of radiocesium of accidental origin between the suspended alluvium and solution in rivers: Comparison of Fukushima and Chernobyl. <i>Radiochemistry</i> , 2015, 57, 552-556.	0.7	16
35	Migration of ⁹⁰ Sr in the solid phase of the soil-soil solution-plant systems and ways to reduce it. <i>Radiochemistry</i> , 2014, 56, 222-225.	0.7	4
36	Analysis of the data of long-term monitoring of atmospheric mercury content and meteorological parameters at Amderma polar station. <i>Russian Meteorology and Hydrology</i> , 2013, 38, 405-413.	1.3	6

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37	Fate and transport of radiocesium, radiostrontium and radiocobalt on urban building materials. <i>Journal of Environmental Radioactivity</i> , 2013, 125, 74-80.	1.7	14
38	Monitoring of persistent organic pollutants in the ambient air as an element of implementation of the Stockholm Convention on persistent organic pollutants. <i>Russian Journal of Physical Chemistry B</i> , 2012, 6, 652-658.	1.3	5
39	Indications of decreasing human PTS concentrations in North West Russia. <i>Global Health Action</i> , 2011, 4, 8427.	1.9	7
40	Fate and transport of radiocesium in urban building materials. <i>Radioprotection</i> , 2011, 46, S265-S269.	1.0	6
41	Watershed wash-off of atmospherically deposited radionuclides: a review of normalized entrainment coefficients. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 774-778.	1.7	44
42	Migration and bioavailability of ¹³⁷ Cs in forest soil of southern Germany. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 315-321.	1.7	61
43	Fuel particles in the Chernobyl cooling pond: current state and prediction for remediation options. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 329-332.	1.7	18
44	Influence of fertilizing on the ¹³⁷ Cs soil-plant transfer in a spruce forest of Southern Germany. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 489-496.	1.7	13
45	Combining data sets of organochlorines (OCs) in human plasma for the Russian Arctic. <i>Science of the Total Environment</i> , 2009, 407, 5216-5222.	8.0	11
46	Development of amendments for rehabilitation of soils, contaminated by radionuclides, and assessment of their application efficacy. <i>Radioprotection</i> , 2009, 44, 135-139.	1.0	1
47	The Influence of Hot Particle Contamination on Models for Radiation Exposures Via the Aquatic Pathway. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2009, , 249-258.	0.2	1
48	A circumpolar perspective of atmospheric organochlorine pesticides (OCPs): Results from six Arctic monitoring stations in 2000-2003. <i>Atmospheric Environment</i> , 2008, 42, 4682-4698.	4.1	69
49	Measuring the specific caesium sorption capacity of soils, sediments and clay minerals. <i>Applied Geochemistry</i> , 2007, 22, 219-229.	3.0	50
50	Spatial and Seasonal Variations of Hexachlorocyclohexanes (HCHs) and Hexachlorobenzene (HCB) in the Arctic Atmosphere. <i>Environmental Science & Technology</i> , 2006, 40, 6601-6607.	10.0	94
51	THE AQUASCOPE SIMPLIFIED MODEL FOR PREDICTING ^{89,90} Sr, ¹³¹ I, and ^{134,137} Cs IN SURFACE WATERS AFTER A LARGE-SCALE RADIOACTIVE FALLOUT. <i>Health Physics</i> , 2005, 89, 628-644.	0.5	51
52	Radionuclide migration in forest ecosystems - results of a model validation study. <i>Journal of Environmental Radioactivity</i> , 2005, 84, 285-296.	1.7	35
53	Mercury in the Arctic atmosphere: An analysis of eight years of measurements of GEM at Alert (Canada) and a comparison with observations at Amderma (Russia) and Kuujjuarapik (Canada). <i>Science of the Total Environment</i> , 2005, 342, 185-198.	8.0	123
54	Temporal and spatial variabilities of atmospheric polychlorinated biphenyls (PCBs), organochlorine (OC) pesticides and polycyclic aromatic hydrocarbons (PAHs) in the Canadian Arctic: Results from a decade of monitoring. <i>Science of the Total Environment</i> , 2005, 342, 119-144.	8.0	259

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55	Comparative study of ¹³⁷ Cs partitioning between solid and liquid phases in Lakes Constance, Lugano and Vorse. <i>Journal of Environmental Radioactivity</i> , 2002, 58, 1-11.	1.7	34
56	Modelling the long-term dynamics of radiocaesium in closed lakes. <i>Journal of Environmental Radioactivity</i> , 2002, 61, 41-53.	1.7	27
57	Title is missing!. <i>Atomic Energy</i> , 2002, 93, 689-691.	0.4	0
58	⁹⁰ Sr and ¹³⁷ Cs exchange distribution coefficient in soil-water systems. <i>Atomic Energy</i> , 2000, 88, 158-163.	0.4	14
59	Transformation of the forms of ⁹⁰ Sr and ¹³⁷ Cs in soil and bottom deposits. <i>Atomic Energy</i> , 2000, 88, 56-60.	0.4	11
60	Phytoremediation of Chernobyl Contaminated Land. <i>Radiation Protection Dosimetry</i> , 2000, 92, 59-64.	0.8	18
61	Quantitative assessment of radiocaesium bioavailability in forest soils. <i>Radiochimica Acta</i> , 2000, 88, 789-792.	1.2	10
62	Validation of models of radionuclide wash-off from contaminated watersheds using Chernobyl data. <i>Journal of Environmental Radioactivity</i> , 1999, 42, 131-141.	1.7	8
63	Effects of model complexity on uncertainty estimates. <i>Journal of Environmental Radioactivity</i> , 1999, 42, 255-270.	1.7	11
64	Kinetics of the leaching of ⁹⁰ Sr from fuel particles in soil in the near zone of the chernobyl nuclear power plant. <i>Atomic Energy</i> , 1999, 86, 136-141.	0.4	15
65	Modelling Radiocaesium Bioavailability in Forest Soils. , 1999, , 217-229.		4
66	A comparative study of radiocesium mobility measurements in soils and sediments from the catchment of a small upland oligotrophic lake (Devoke Water, U.K.) ¹ In memoriam: This paper is dedicated to the memory of Dr. Vladimir Borzilov. A good friend and an enthusiastic initiator of our joint research. ¹ <i>Water Research</i> , 1998, 32, 2846-2855.	11.3	27
67	Long-term kinetics of radiocesium fixation by soils. <i>Studies in Environmental Science</i> , 1997, , 173-182.	0.0	6
68	Prediction of solid/liquid distribution coefficients of radiocaesium in soils and sediments. Part one: a simplified procedure for the solid phase characterisation. <i>Applied Geochemistry</i> , 1996, 11, 589-594.	3.0	172
69	Long-Term Investigation of ¹³⁷ Cs Fixation by Soils. <i>Radiation Protection Dosimetry</i> , 1996, 64, 15-18.	0.8	22
70	Modeling the Washoff of ⁹⁰ Sr and ¹³⁷ Cs from an Experimental Plot Established in the Vicinity of the Chernobyl Reactor. <i>Health Physics</i> , 1996, 71, 896-909.	0.5	7
71	Model Testing Using Chernobyl Data. <i>Health Physics</i> , 1996, 70, 8-12.	0.5	17
72	Diffusional Modelling of Radiocaesium Fixation by Soils. <i>Radiation Protection Dosimetry</i> , 1996, 64, 11-13.	0.8	6

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73	Influence of agricultural countermeasures on the ratio of different chemical forms of radionuclides in soil and soil solution. Science of the Total Environment, 1993, 137, 147-162.	8.0	70
74	Application of fertilisers and ameliorants to reduce soil to plant transfer of radiocaesium and radiostrontium in the medium to long term “ a summary. Science of the Total Environment, 1993, 137, 173-182.	8.0	52
75	A Model for Prediction and Assessment of Surface Water Contamination in Emergency Situations and Methodology of Determining its Parameters. Radiation Protection Dosimetry, 1993, 50, 349-351.	0.8	0
76	Behaviour of long-lived Chernobyl radionuclides in a soil“water system. Analyst, The, 1992, 117, 1041-1047.	3.5	88
77	Temporal trends of ^{137}Cs activity concentration in pond waters in the vicinity of Fukushima Dai-ichi nuclear power plant. Proceedings of the International Association of Hydrological Sciences, 0, 381, 101-106.	1.0	7
78	Reconstruction of long-term dynamics of Chernobyl-derived ^{137}Cs in the Upa River using bottom sediments in the Scheckino reservoir and semi-empirical modelling. Proceedings of the International Association of Hydrological Sciences, 0, 381, 95-99.	1.0	4
79	Time changes of dose equivalent rate above the soil surface as indication of natural attenuation processes. Proceedings of the International Association of Hydrological Sciences, 0, 381, 121-126.	1.0	0