

Sergii Gashchak

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,234
citations

361413

20
h-index

414414

32
g-index

62
all docs

62
docs citations

62
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual evolution of tree frog populations in the Chernobyl exclusion zone. <i>Evolutionary Applications</i> , 2022, 15, 203-219.	3.1	12
2	Current ionising radiation doses in the Chernobyl Exclusion Zone do not directly impact on soil biological activity. <i>PLoS ONE</i> , 2022, 17, e0263600.	2.5	5
3	Wildfires in the Chornobyl exclusion zone—Risks and consequences. <i>Integrated Environmental Assessment and Management</i> , 2021, 17, 1141-1150.	2.9	20
4	Impacts of radiation exposure on the bacterial and fungal microbiome of small mammals in the Chernobyl Exclusion Zone. <i>Journal of Animal Ecology</i> , 2021, 90, 2172-2187.	2.8	12
5	Lack of impact of radiation on blood physiology biomarkers of Chernobyl tree frogs. <i>Frontiers in Zoology</i> , 2021, 18, 33.	2.0	5
6	Radionuclide transfer to wildlife at a “Reference site”™ in the Chernobyl Exclusion Zone and resultant radiation exposures. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 105661.	1.7	57
7	Towards solving a scientific controversy “ The effects of ionising radiation on the environment. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 106033.	1.7	46
8	More than thirty years after the Chernobyl accident: What do we know about the effects of radiation on the environment?. <i>Journal of Environmental Radioactivity</i> , 2020, 211, 106108.	1.7	9
9	Analysis of 129I and 127I in soils of the Chernobyl Exclusion Zone, 29 years after the deposition of 129I. <i>Science of the Total Environment</i> , 2019, 692, 966-974.	8.0	9
10	Genetic, epigenetic and microbiome characterisation of an earthworm species (<i>Octolasion lacteum</i>) along a radiation exposure gradient at Chernobyl. <i>Environmental Pollution</i> , 2019, 255, 113238.	7.5	19
11	Variation in chronic radiation exposure does not drive life history divergence among <i>Daphnia</i> populations across the Chernobyl Exclusion Zone. <i>Ecology and Evolution</i> , 2019, 9, 2640-2650.	1.9	16
12	Przewalski's horse (<i>Equus ferus przewalskii</i>) in the Chornobyl Exclusion Zone after 20 years of introduction. <i>Theriologia Ukrainica</i> , 2019, 2019, 80-100.	0.2	5
13	Genome-wide DNA methylation changes in two Brassicaceae species sampled alongside a radiation gradient in Chernobyl and Fukushima. <i>Journal of Environmental Radioactivity</i> , 2018, 192, 405-416.	1.7	24
14	Elevated mitochondrial genome variation after 50 generations of radiation exposure in a wild rodent. <i>Evolutionary Applications</i> , 2017, 10, 784-791.	3.1	40
15	European bison (<i>Bison bonasus</i>) in the Chornobyl Exclusion Zone (Ukraine) and prospects for its revival. <i>Theriologia Ukrainica</i> , 2017, 2017, 58-66.	0.1	10
16	Effects of radionuclide contamination on leaf litter decomposition in the Chernobyl exclusion zone. <i>Science of the Total Environment</i> , 2016, 562, 596-603.	8.0	36
17	The transfer of 137 Cs, Pu isotopes and 90 Sr to bird, bat and ground-dwelling small mammal species within the Chernobyl exclusion zone. <i>Journal of Environmental Radioactivity</i> , 2016, 153, 231-236.	1.7	15
18	Inter-cultivar variation in soil-to-plant transfer of radiocaesium and radiostrontium in Brassica oleracea. <i>Journal of Environmental Radioactivity</i> , 2016, 155-156, 112-121.	1.7	14

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19	Brown bear (<i>Ursus arctos</i> L.) in the Chernobyl Exclusion Zone. <i>Environmental Monitoring and Assessment</i> , 2014, 184, 1-10.		20
20	Soil nematode assemblages as bioindicators of radiation impact in the Chernobyl Exclusion Zone. <i>Science of the Total Environment</i> , 2014, 490, 161-170.	8.0	22
21	The IAEA handbook on radionuclide transfer to wildlife. <i>Journal of Environmental Radioactivity</i> , 2013, 121, 55-74.	1.7	92
22	Radioadaptive Response Following In Utero Low-Dose Irradiation. <i>Radiation Research</i> , 2012, 179, 29.	1.5	8
23	RADIATION ECOLOGY ISSUES ASSOCIATED WITH MURINE RODENTS AND SHREWS IN THE CHERNOBYL EXCLUSION ZONE. <i>Health Physics</i> , 2011, 101, 416-430.	0.5	16
24	OVERVIEW OF THE COOPERATION BETWEEN THE CHERNOBYL CENTER'S INTERNATIONAL RADIOECOLOGY LABORATORY IN SLAVUTYCH, UKRAINE, AND U.S. RESEARCH CENTERS BETWEEN 2000 AND 2010. <i>Health Physics</i> , 2011, 101, 338-348.	0.5	0
25	RADIATION DOSE ASSESSMENT FOR THE BIOTA OF TERRESTRIAL ECOSYSTEMS IN THE SHORELINE ZONE OF THE CHERNOBYL NUCLEAR POWER PLANT COOLING POND. <i>Health Physics</i> , 2011, 101, 349-361.	0.5	9
26	ENVIRONMENTAL RADIATION MONITORING IN THE CHERNOBYL EXCLUSION ZONE—HISTORY AND RESULTS 25 YEARS AFTER. <i>Health Physics</i> , 2011, 101, 442-485.	0.5	21
27	ASSESSMENT OF BETA PARTICLE FLUX FROM SURFACE CONTAMINATION AS A RELATIVE INDICATOR FOR RADIONUCLIDE DISTRIBUTION ON EXTERNAL SURFACES OF A MULTISTORY BUILDING IN PRIPYAT. <i>Health Physics</i> , 2011, 100, 221-227.	0.5	3
28	ASSESSMENT OF ⁹⁰ Sr AND ¹³⁷ Cs PENETRATION INTO REINFORCED CONCRETE (EXTENT OF "DEEPENING") UNDER NATURAL ATMOSPHERIC CONDITIONS. <i>Health Physics</i> , 2011, 101, 311-320.	0.5	8
29	METHOD FOR SIMULTANEOUS ⁹⁰ Sr AND ¹³⁷ Cs IN-VIVO MEASUREMENTS OF SMALL ANIMALS AND OTHER ENVIRONMENTAL MEDIA DEVELOPED FOR THE CONDITIONS OF THE CHERNOBYL EXCLUSION ZONE. <i>Health Physics</i> , 2011, 101, 383-392.	0.5	18
30	FREQUENCY DISTRIBUTIONS OF ⁹⁰ Sr AND ¹³⁷ Cs CONCENTRATIONS IN AN ECOSYSTEM OF THE "RED FOREST" AREA IN THE CHERNOBYL EXCLUSION ZONE. <i>Health Physics</i> , 2011, 101, 409-415.	0.5	11
31	The effects of environmental low-dose irradiation on tolerance to chemotherapeutic agents. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 640-649.	4.3	4
32	ENVIRONMENTAL PROBLEMS ASSOCIATED WITH DECOMMISSIONING THE CHERNOBYL NUCLEAR POWER PLANT COOLING POND. <i>Health Physics</i> , 2010, 99, 639-648.	0.5	3
33	Strontium-90 and caesium-137 activity concentrations in bats in the Chernobyl exclusion zone. <i>Radiation and Environmental Biophysics</i> , 2010, 49, 635-644.	1.4	22
34	Predicting the radiation exposure of terrestrial wildlife in the Chernobyl exclusion zone: an international comparison of approaches. <i>Journal of Radiological Protection</i> , 2010, 30, 341-373.	1.1	64
35	XIV Theriological School-Seminar: summary of the workshop (Chernobyl 2007). <i>Environmental Monitoring and Assessment</i> , 2010, 184, 1-10.		20
36	Radionuclide activity concentrations in two species of reptiles from the Chernobyl exclusion zone. <i>Radioprotection</i> , 2009, 44, 537-542.	1.0	13

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37	Findings and recommendations from an international comparison of models and approaches for the estimation of radiological exposure to non-human biota. <i>Radioprotection</i> , 2009, 44, 565-570.	1.0	26
38	Half-lives of self-purification for various isotopes in soils of the Chernobyl Exclusion Zone. <i>Radioprotection</i> , 2009, 44, 909-911.	1.0	4
39	Modelling of a large-scale urban contamination situation and remediation alternatives. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 413-421.	1.7	10
40	UNDERSTANDING THE GENETIC CONSEQUENCES OF ENVIRONMENTAL TOXICANT EXPOSURE: CHERNOBYL AS A MODEL SYSTEM. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 1982.	4.3	18
41	Assessment of radionuclide export from Chernobyl zone via birds 18 years following the accident. <i>Radioprotection</i> , 2009, 44, 849-852.	1.0	5
42	Estimating the exposure of small mammals at three sites within the Chernobyl exclusion zone – a test application of the ERICA Tool. <i>Journal of Environmental Radioactivity</i> , 2008, 99, 1496-1502.	1.7	56
43	Improvement of modelling capabilities for assessing urban contamination: The EMRAS Urban Remediation Working Group. <i>Applied Radiation and Isotopes</i> , 2008, 66, 1741-1744.	1.5	11
44	New Information for Systematics, Taxonomy, and Phylogeography of the Rodent Genus <i>Apodemus</i> (<i>Sylvaemus</i>) in Ukraine. <i>Journal of Mammalogy</i> , 2007, 88, 330-342.	1.3	19
45	Long-term dynamics of radioactive ⁹⁰ Sr and ¹³⁷ Cs contamination of small mammals in the Chernobyl zone. <i>Russian Journal of Ecology</i> , 2007, 38, 181-189.	0.9	2
46	The transfer of ^{239/240} Pu to cow milk. <i>Journal of Environmental Radioactivity</i> , 2007, 98, 191-204.	1.7	13
47	VARIATION IN MITOCHONDRIAL DNA CONTROL REGION HAPLOTYPES IN POPULATIONS OF THE BANK VOLE, <i>CLETHRIONOMYS GLAREOLUS</i> , LIVING IN THE CHERNOBYL ENVIRONMENT, UKRAINE. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 503.	4.3	11
48	Predicting radionuclide transfer to wild animals: an application of a proposed environmental impact assessment framework to the Chernobyl exclusion zone. <i>Radiation and Environmental Biophysics</i> , 2005, 44, 161-168.	1.4	14
49	High levels of fluctuating asymmetry in populations of <i>Apodemus flavicollis</i> from the most contaminated areas in Chernobyl. <i>Journal of Environmental Radioactivity</i> , 2004, 73, 1-20.	1.7	42
50	Exposure to chronic, low-dose rate γ -radiation at Chernobyl does not induce point mutations in Big Blue $\frac{1}{2}$ mice. <i>Environmental and Molecular Mutagenesis</i> , 2003, 42, 11-18.	2.2	27
51	Comments on the Paper by Wickliffe et al. (<i>Radiat. Res.</i> 159, 458-464, 2003). <i>Radiation Research</i> , 2003, 160, 610-610.	1.5	3
52	Mitochondrial DNA Heteroplasmy in Laboratory Mice Experimentally Enclosed in the Radioactive Chernobyl Environment. <i>Radiation Research</i> , 2003, 159, 458-464.	1.5	22
53	Frequency distributions of ¹³⁷ Cs in fish and mammal populations. <i>Journal of Environmental Radioactivity</i> , 2002, 61, 55-74.	1.7	16
54	Accumulation of ¹³⁷ Cesium and ⁹⁰ Strontium from abiotic and biotic sources in rodents at Chernobyl, Ukraine. <i>Environmental Toxicology and Chemistry</i> , 2001, 20, 1927-1935.	4.3	33

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55	Consequences of polluted environments on population structure: the bank vole (<i>Clethrionomys</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	47
56	Concentrations and dose rate estimates of ¹³⁴ cesium and ⁹⁰ strontium in small mammals at chornobyl, Ukraine. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 305-312.	4.3	68
57	The transfer of ¹³⁷ Cs and ⁹⁰ Sr to dairy cattle fed fresh herbage collected 3.5 km from the Chernobyl nuclear power plant. <i>Journal of Environmental Radioactivity</i> , 2000, 47, 157-170.	1.7	20
58	Small Mammals from the Most Radioactive Sites Near the Chernobyl Nuclear Power Plant. <i>Journal of Mammalogy</i> , 1996, 77, 155-170.	1.3	81
59	Ratios of Transfer Coefficients for Radiocesium Transport in Ruminants. <i>Health Physics</i> , 1995, 69, 410-414.	0.5	6