Sergii Gashchak

List of Publications by Year
in descending order

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	The IAEA handbook on radionuclide transfer to wildlife. Journal of Environmental Radioactivity, 2013, 121, 55-74.	1.7	92
2	Small Mammals from the Most Radioactive Sites Near the Chornobyl Nuclear Power Plant. Journal of Mammalogy, 1996, 77, 155-170.	1.3	81
3	Concentrations and dose rate estimates of ¹³⁴¹³⁷cesium and ⁹⁰strontium in small mammals at chornobyl, Ukraine. Environmental Toxicology and Chemistry, 2000, 19, 305-312.	4.3	68
4	Predicting the radiation exposure of terrestrial wildlife in the Chernobyl exclusion zone: an international comparison of approaches. Journal of Radiological Protection, 2010, 30, 341-373.	1.1	64
5	Radionuclide transfer to wildlife at a â€˜Reference siteâ€™ in the Chernobyl Exclusion Zone and resultant radiation exposures. Journal of Environmental Radioactivity, 2020, 211, 105661.	1.7	57
6	Estimating the exposure of small mammals at three sites within the Chernobyl exclusion zone â€“ a test application of the ERICA Tool. Journal of Environmental Radioactivity, 2008, 99, 1496-1502.	1.7	56
7	Consequences of polluted environments on population structure: the bank vole (Clethrionomys) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	47
8	Towards solving a scientific controversy â€“ The effects of ionising radiation on the environment. Journal of Environmental Radioactivity, 2020, 211, 106033.	1.7	46
9	High levels of fluctuating asymmetry in populations of Apodemus flavicollis from the most contaminated areas in Chornobyl. Journal of Environmental Radioactivity, 2004, 73, 1-20.	1.7	42
10	Elevated mitochondrial genome variation after 50 generations of radiation exposure in a wild rodent. Evolutionary Applications, 2017, 10, 784-791.	3.1	40
11	Effects of radionuclide contamination on leaf litter decomposition in the Chernobyl exclusion zone. Science of the Total Environment, 2016, 562, 596-603.	8.0	36
12	Accumulation of ¹³⁷Cesium and ⁹⁰Strontium from abiotic and biotic sources in rodents at Chornobyl, Ukraine. Environmental Toxicology and Chemistry, 2001, 20, 1927-1935.	4.3	33
13	Exposure to chronic, low-dose rate ?-radiation at Chornobyl does not induce point mutations in Big Blueï¿½ mice. Environmental and Molecular Mutagenesis, 2003, 42, 11-18.	2.2	27
14	Findings and recommendations from an international comparison of models and approaches for the estimation of radiological exposure to non-human biota. Radioprotection, 2009, 44, 565-570.	1.0	26
15	Genome-wide DNA methylation changes in two Brassicaceae species sampled alongside a radiation gradient in Chernobyl and Fukushima. Journal of Environmental Radioactivity, 2018, 192, 405-416.	1.7	24
16	Mitochondrial DNA Heteroplasmy in Laboratory Mice Experimentally Enclosed in the Radioactive Chernobyl Environment. Radiation Research, 2003, 159, 458-464.	1.5	22
17	Strontium-90 and caesium-137 activity concentrations in bats in the Chernobyl exclusion zone. Radiation and Environmental Biophysics, 2010, 49, 635-644.	1.4	22
18	Soil nematode assemblages as bioindicators of radiation impact in the Chernobyl Exclusion Zone. Science of the Total Environment, 2014, 490, 161-170.	8.0	22

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19	ENVIRONMENTAL RADIATION MONITORING IN THE CHERNOBYL EXCLUSION ZONEâ€"HISTORY AND RESULTS 25 YEARS AFTER. Health Physics, 2011, 101, 442-485.	0.5	21
20	The transfer of 137Cs and 90Sr to dairy cattle fed fresh herbage collected 3.5 km from the Chernobyl nuclear power plant. Journal of Environmental Radioactivity, 2000, 47, 157-170.	1.7	20
21	Wildfires in the Chornobyl exclusion zoneâ€"Risks and consequences. Integrated Environmental Assessment and Management, 2021, 17, 1141-1150.	2.9	20
22	New Information for Systematics, Taxonomy, and Phylogeography of the Rodent GenusApodemus(Sylvaemus) in Ukraine. Journal of Mammalogy, 2007, 88, 330-342.	1.3	19
23	Genetic, epigenetic and microbiome characterisation of an earthworm species (Octolasion lacteum) along a radiation exposure gradient at Chernobyl. Environmental Pollution, 2019, 255, 113238.	7.5	19
24	UNDERSTANDING THE GENETIC CONSEQUENCES OF ENVIRONMENTAL TOXICANT EXPOSURE: CHERNOBYL AS A MODEL SYSTEM. Environmental Toxicology and Chemistry, 2009, 28, 1982.	4.3	18
25	METHOD FOR SIMULTANEOUS 90SR AND 137CS IN-VIVO MEASUREMENTS OF SMALL ANIMALS AND OTHER ENVIRONMENTAL MEDIA DEVELOPED FOR THE CONDITIONS OF THE CHERNOBYL EXCLUSION ZONE. Health Physics, 2011, 101, 383-392.	0.5	18
26	Frequency distributions of 137Cs in fish and mammal populations. Journal of Environmental Radioactivity, 2002, 61, 55-74.	1.7	16
27	RADIATION ECOLOGY ISSUES ASSOCIATED WITH MURINE RODENTS AND SHREWS IN THE CHERNOBYL EXCLUSION ZONE. Health Physics, 2011, 101, 416-430.	0.5	16
28	Variation in chronic radiation exposure does not drive life history divergence among <i>Daphnia </i>populations across the Chernobyl Exclusion Zone. Ecology and Evolution, 2019, 9, 2640-2650.	1.9	16
29	The transfer of 137 Cs, Pu isotopes and 90 Sr to bird, bat and ground-dwelling small mammal species within the Chernobyl exclusion zone. Journal of Environmental Radioactivity, 2016, 153, 231-236.	1.7	15
30	Predicting radionuclide transfer to wild animals: an application of a proposed environmental impact assessment framework to the Chernobyl exclusion zone. Radiation and Environmental Biophysics, 2005, 44, 161-168.	1.4	14
31	Inter-cultivar variation in soil-to-plant transfer of radiocaesium and radiostrontium in Brassica oleracea. Journal of Environmental Radioactivity, 2016, 155-156, 112-121.	1.7	14
32	The transfer of 239/240Pu to cow milk. Journal of Environmental Radioactivity, 2007, 98, 191-204.	1.7	13
33	Radionuclide activity concentrations in two species of reptiles from the Chernobyl exclusion zone. Radioprotection, 2009, 44, 537-542.	1.0	13
34	Impacts of radiation exposure on the bacterial and fungal microbiome of small mammals in the Chernobyl Exclusion Zone. Journal of Animal Ecology, 2021, 90, 2172-2187.	2.8	12
35	Unusual evolution of tree frog populations in the Chernobyl exclusion zone. Evolutionary Applications, 2022, 15, 203-219.	3.1	12
36	VARIATION IN MITOCHONDRIAL DNA CONTROL REGION HAPLOTYPES IN POPULATIONS OF THE BANK VOLE, CLETHRIONOMYS GLAREOLUS, LIVING IN THE CHERNOBYL ENVIRONMENT, UKRAINE. Environmental Toxicology and Chemistry, 2006, 25, 503.	4.3	11

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37	Improvement of modelling capabilities for assessing urban contamination: The EMRAS Urban Remediation Working Group. Applied Radiation and Isotopes, 2008, 66, 1741-1744.	1.5	11
38	FREQUENCY DISTRIBUTIONS OF 90SR AND 137CS CONCENTRATIONS IN AN ECOSYSTEM OF THE â€œRED FORESTâ€•AREA IN THE CHERNOBYL EXCLUSION ZONE. Health Physics, 2011, 101, 409-415.	0.5	11
39	Brown bear (Ursus arctos L.) in the Chornobyl Exclusion Zone. ÐŸÑ€Ð°Ñ†Ñ– Ð¢ÐµÑ€Ñ–Ð¾Ð»Ð¾Ð³Ñ–Ñ‡Ð½Ð¾Ñ— ÑˆÐºÐ¾Ð»Ð¸, 20	0.1	11
40	Modelling of a large-scale urban contamination situation and remediation alternatives. Journal of Environmental Radioactivity, 2009, 100, 413-421.	1.7	10
41	European bison (Bison bonasus) in the Chornobyl Exclusion Zone (Ukraine) and prospects for its revival. ÐŸÑ€Ð°Ñ†Ñ– Ð¢ÐµÑ€Ñ–Ð¾Ð»Ð¾Ð³Ñ–Ñ‡Ð½Ð¾Ñ— ÑˆÐºÐ¾Ð»Ð¸, 2017, 2017, 58-66.	0.1	10
42	RADIATION DOSE ASSESSMENT FOR THE BIOTA OF TERRESTRIAL ECOSYSTEMS IN THE SHORELINE ZONE OF THE CHERNOBYL NUCLEAR POWER PLANT COOLING POND. Health Physics, 2011, 101, 349-361.	0.5	9
43	Analysis of 129I and 127I in soils of the Chernobyl Exclusion Zone, 29â€¯years after the deposition of 129I. Science of the Total Environment, 2019, 692, 966-974.	8.0	9
44	More than thirty years after the Chernobyl accident: What do we know about the effects of radiation on the environment?. Journal of Environmental Radioactivity, 2020, 211, 106108.	1.7	9
45	ASSESSMENT OF 90SR AND 137CS PENETRATION INTO REINFORCED CONCRETE (EXTENT OF â€œDEEPENINGâ€) UNDER NATURAL ATMOSPHERIC CONDITIONS. Health Physics, 2011, 101, 311-320.	0.5	8
46	Radioadaptive Response Following In Utero Low-Dose Irradiation. Radiation Research, 2012, 179, 29.	1.5	8
47	Ratios of Transfer Coefficients for Radiocesium Transport in Ruminants. Health Physics, 1995, 69, 410-414.	0.5	6
48	Lack of impact of radiation on blood physiology biomarkers of Chernobyl tree frogs. Frontiers in Zoology, 2021, 18, 33.	2.0	5
49	Assessment of radionuclide export from Chernobyl zone via birds 18 years following the accident. Radioprotection, 2009, 44, 849-852.	1.0	5
50	Przewalski`s horse (Equus ferus przewalskii) in the Chornobyl Exclusion Zone after 20 years of introduction. Theriologia Ukrainica, 2019, 2019, 80-100.	0.2	5
51	Current ionising radiation doses in the Chernobyl Exclusion Zone do not directly impact on soil biological activity. PLoS ONE, 2022, 17, e0263600.	2.5	5
52	Half-lives of self-purification for various isotopes in soils of the Chernobyl Exclusion Zone. Radioprotection, 2009, 44, 909-911.	1.0	4
53	The effects of environmental lowâ€dose irradiation on tolerance to chemotherapeutic agents. Environmental Toxicology and Chemistry, 2011, 30, 640-649.	4.3	4
54	Comments on the Paper by Wickliffeet al.(Radiat. Res.159, 458â€“464, 2003). Radiation Research, 2003, 160, 610-610.	1.5	3

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55	ENVIRONMENTAL PROBLEMS ASSOCIATED WITH DECOMMISSIONING THE CHERNOBYL NUCLEAR POWER PLANT COOLING POND. Health Physics, 2010, 99, 639-648.	0.5	3
56	ASSESSMENT OF BETA PARTICLE FLUX FROM SURFACE CONTAMINATION AS A RELATIVE INDICATOR FOR RADIONUCLIDE DISTRIBUTION ON EXTERNAL SURFACES OF A MULTISTORY BUILDING IN PRIPYAT. Health Physics, 2011, 100, 221-227.	0.5	3
57	Long-term dynamics of radioactive 90Sr and 137Cs contamination of small mammals in the Chernobyl zone. Russian Journal of Ecology, 2007, 38, 181-189.	0.9	2
58	OVERVIEW OF THE COOPERATION BETWEEN THE CHERNOBYL CENTER'S INTERNATIONAL RADIOECOLOGY LABORATORY IN SLAVUTYCH, UKRAINE, AND U.S. RESEARCH CENTERS BETWEEN 2000 AND 2010. Health Physics, 2011, 101, 338-348.	0.5	0
59	XIV Theriological School-Seminar: summary of the workshop (Chornobyl 2007). ĐŸÑ€Đ°Ñ†Ñ– Đ¢ĐµÑ€Ñ–Đ¾Đ»Đ¾Đ³Ñ–Ñ‡Đ½Đ¾Ñ—	0.1	0