

# Sergey Loiko

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,089  
citations

430442

18  
h-index

414034

32  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the effect of historical development on urban soils using microartifacts and geochemical indices. <i>Environmental Geochemistry and Health</i> , 2023, 45, 121-136.	1.8	5
2	Pollution status and human health risk assessment of potentially toxic elements and polycyclic aromatic hydrocarbons in urban street dust of Tyumen city, Russia. <i>Environmental Geochemistry and Health</i> , 2022, 44, 409-432.	1.8	29
3	Sizable pool of labile organic carbon in peat and mineral soils of permafrost peatlands, western Siberia. <i>Geoderma</i> , 2022, 409, 115601.	2.3	11
4	Organic carbon, and major and trace elements reside in labile low-molecular form in the ground ice of permafrost peatlands: a case study of colloids in peat ice of Western Siberia. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1443-1459.	1.7	9
5	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. <i>Chemosphere</i> , 2021, 266, 128953.	4.2	25
6	Colloidal organic carbon and trace elements in peat porewaters across a permafrost gradient in Western Siberia. <i>Geoderma</i> , 2021, 390, 114971.	2.3	26
7	Bacterial Number and Genetic Diversity in a Permafrost Peatland (Western Siberia): Testing a Link with Organic Matter Quality and Elementary Composition of a Peat Soil Profile. <i>Diversity</i> , 2021, 13, 328.	0.7	16
8	Lichen, moss and peat control of C, nutrient and trace metal regime in lakes of permafrost peatlands. <i>Science of the Total Environment</i> , 2021, 782, 146737.	3.9	20
9	Polycyclic aromatic hydrocarbons in permafrost peatlands. <i>Scientific Reports</i> , 2021, 11, 18878.	1.6	3
10	Elemental and Molecular Composition of Humic Acids Isolated from Soils of Tallgrass Temperate Rainforests (Chernevaya taiga) by 1H-13C HECTCOR NMR Spectroscopy. <i>Agronomy</i> , 2021, 11, 1998.	1.3	8
11	Vulnerability of the Ancient Peat Plateaus in Western Siberia. <i>Plants</i> , 2021, 10, 2813.	1.6	9
12	Evaluating the potential of capillary rise for the migration of Pt nanoparticles in Luvisols and Phaeozems (Western Siberia). <i>Soil Science Annual</i> , 2021, 72, 1-12.	0.4	1
13	Major and trace elements in suspended matter of western Siberian rivers: First assessment across permafrost zones and landscape parameters of watersheds. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 269, 429-450.	1.6	36
14	Lake Drainage in Permafrost Regions Produces Variable Plant Communities of High Biomass and Productivity. <i>Plants</i> , 2020, 9, 867.	1.6	21
15	Revised pan-Arctic permafrost soil Hg pool based on Western Siberian peat Hg and carbon observations. <i>Biogeosciences</i> , 2020, 17, 3083-3097.	1.3	26
16	Impact of Permafrost Thaw and Climate Warming on Riverine Export Fluxes of Carbon, Nutrients and Metals in Western Siberia. <i>Water (Switzerland)</i> , 2020, 12, 1817.	1.2	47
17	Composition and properties of soils developed within the ash disposal areas originated from peat combustion (Tyumen, Russia). <i>Soil Science Annual</i> , 2020, 71, 3-14.	0.4	10
18	Patterns of soil cover organization within the northern part of the Kondinskaya lowland (Western) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.1	2

#	ARTICLE	IF	CITATIONS
19	Microbiological characteristics of the profile of Cryic Fibric Histosol (Turbic) soil in Western Siberia. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012016.	0.2	0
20	Microtopography Controls of Carbon and Related Elements Distribution in the West Siberian Frozen Bogs. Geosciences (Switzerland), 2019, 9, 291.	1.0	21
21	Enhanced particulate Hg export at the permafrost boundary, western Siberia. Environmental Pollution, 2019, 254, 113083.	3.7	25
22	Properties and major element concentrations in peat profiles of the polygonal frozen bog in Western Siberia. IOP Conference Series: Earth and Environmental Science, 2019, 400, 012009.	0.2	4
23	Experimental modeling of the bacterial community translocation during freezing and thawing of peat permafrost soils of Western Siberia. IOP Conference Series: Earth and Environmental Science, 2019, 400, 012017.	0.2	3
24	First Findings of Buried Late-Glacial Paleosols within the Dune Fields of the Tomsk Priobye Region (SE) Tj ETQq0 0 0,rgBT /Overlock 10 TF	1.8	14
25	Mg-Rich Authigenic Carbonates in Coastal Facies of the Vtoroe Zasechnoe Lake (Southwest Siberia): First Assessment and Possible Mechanisms of Formation. Minerals (Basel, Switzerland), 2019, 9, 763.	0.8	3
26	Some aspects of soil formation on biogenic silicious rocks in Trans-Urals. Dokuchaev Soil Bulletin, 2019, , 64-85.	0.1	1
27	Permafrost thaw and climate warming may decrease the CO <sub>2</sub> , carbon, and metal concentration in peat soil waters of the Western Siberia Lowland. Science of the Total Environment, 2018, 634, 1004-1023.	3.9	57
28	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. Journal of Hydrology, 2018, 556, 279-293.	2.3	116
29	Some aspects of soil development in small sandy catchments of ancient river valleys (a case study of) Tj ETQq1 1 0,784314 rgBT /Overlock 10 TF	0.2	1
30	Riverine particulate C and N generated at the permafrost thaw front: case study of western Siberian rivers across a 1700 km latitudinal transect. Biogeosciences, 2018, 15, 6867-6884.	1.3	17
31	Holocene Soil Evolution in South Siberia Based on Phytolith Records and Genetic Soil Analysis (Russia). Geosciences (Switzerland), 2018, 8, 402.	1.0	4
32	Special features of soil development within overgrowing fly ash deposit sites of the solid fuel power plant. Vestnik Tomskogo Gosudarstvennogo Universiteta, Biologiya, 2018, , 6-12.	0.1	4
33	Investigation of Platinum and Nickel Nanoparticles Migration and Accumulation in Soils within the Southeastern Part of West Siberia. Nano Hybrids and Composites, 2017, 13, 115-122.	0.8	6
34	Influence of Nickel Nanoparticles on Biological Activity of Humus Layer of Subboreal Forest. Nano Hybrids and Composites, 2017, 13, 108-114.	0.8	1
35	Bacteria primarily metabolize at the active layer/permafrost border in the peat core from a permafrost region in western Siberia. Polar Biology, 2017, 40, 1645-1659.	0.5	29
36	Abrupt permafrost collapse enhances organic carbon, CO <sub>2</sub> , nutrient and metal release into surface waters. Chemical Geology, 2017, 471, 153-165.	1.4	55

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37	Dissolved organic carbon and major and trace elements in peat porewater of sporadic, discontinuous, and continuous permafrost zones of western Siberia. <i>Biogeosciences</i> , 2017, 14, 3561-3584.	1.3	58
38	Trace element transport in western Siberian rivers across a permafrost gradient. <i>Biogeosciences</i> , 2016, 13, 1877-1900.	1.3	69
39	Organic and organo-mineral colloids in discontinuous permafrost zone. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 1-20.	1.6	79
40	Seasonal dynamics of organic carbon and metals in thermokarst lakes from the discontinuous permafrost zone of western Siberia. <i>Biogeosciences</i> , 2015, 12, 3009-3028.	1.3	75
41	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. <i>Biogeosciences</i> , 2015, 12, 6301-6320.	1.3	78
42	Lithological sequence of soil formation on the low terraces of the Ob and the Tom rivers in the south of Tomsk Oblast. <i>International Journal of Environmental Studies</i> , 2015, 72, 1037-1046.	0.7	4
43	Morphogenetic diagnostics of soil formation on tailing dumps of coal quarries in Siberia. <i>Eurasian Soil Science</i> , 2015, 48, 95-105.	0.5	20
44	Soil cover patterns in the northern part of the area of aspen-fir taiga in the southeast of Western Siberia. <i>Eurasian Soil Science</i> , 2015, 48, 359-372.	0.5	6
45	Non-climatic causes for low productivity of Siberian tundra ecosystems. <i>International Journal of Environmental Studies</i> , 2014, 71, 605-610.	0.7	0
46	Thermokarst lakes of Western Siberia: a complex biogeochemical multidisciplinary approach. <i>International Journal of Environmental Studies</i> , 2014, 71, 733-748.	0.7	15
47	Soil cover patterns on flat interfluves in the Kamennaya Steppe. <i>Eurasian Soil Science</i> , 2010, 43, 1309-1321.	0.5	15