

Sergey Loiko

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,089
citations

430874

18
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414414

32
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48
all docs

48
docs citations

48
times ranked

1281
citing authors

#	ARTICLE	IF	CITATIONS
1	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. <i>Journal of Hydrology</i> , 2018, 556, 279-293.	5.4	116
2	Organic and organo-mineral colloids in discontinuous permafrost zone. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 1-20.	3.9	79
3	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. <i>Biogeosciences</i> , 2015, 12, 6301-6320.	3.3	78
4	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.	3.3	75
5	Trace element transport in western Siberian rivers across a permafrost gradient. <i>Biogeosciences</i> , 2016, 13, 1877-1900.	3.3	69
6	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.	3.3	58
7	Permafrost thaw and climate warming may decrease the CO ₂ , carbon, and metal concentration in peat soil waters of the Western Siberia Lowland. <i>Science of the Total Environment</i> , 2018, 634, 1004-1023.	8.0	57
8	Abrupt permafrost collapse enhances organic carbon, CO ₂ , nutrient and metal release into surface waters. <i>Chemical Geology</i> , 2017, 471, 153-165.	3.3	55
9	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.	2.7	47
10	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.	3.9	36
11	Bacteria primarily metabolize at the active layer/permafrost border in the peat core from a permafrost region in western Siberia. <i>Polar Biology</i> , 2017, 40, 1645-1659.	1.2	29
12	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.	3.4	29
13	A revised pan-Arctic permafrost soil Hg pool based on Western Siberian peat Hg and carbon observations. <i>Biogeosciences</i> , 2020, 17, 3083-3097.	3.3	26
14	Colloidal organic carbon and trace elements in peat porewaters across a permafrost gradient in Western Siberia. <i>Geoderma</i> , 2021, 390, 114971.	5.1	26
15	Enhanced particulate Hg export at the permafrost boundary, western Siberia. <i>Environmental Pollution</i> , 2019, 254, 113083.	7.5	25
16	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. <i>Chemosphere</i> , 2021, 266, 128953.	8.2	25
17	Microtopography Controls of Carbon and Related Elements Distribution in the West Siberian Frozen Bogs. <i>Geosciences (Switzerland)</i> , 2019, 9, 291.	2.2	21
18	Lake Drainage in Permafrost Regions Produces Variable Plant Communities of High Biomass and Productivity. <i>Plants</i> , 2020, 9, 867.	3.5	21

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19	Morphogenetic diagnostics of soil formation on tailing dumps of coal quarries in Siberia. Eurasian Soil Science, 2015, 48, 95-105.	1.6	20
20	Lichen, moss and peat control of C, nutrient and trace metal regime in lakes of permafrost peatlands. Science of the Total Environment, 2021, 782, 146737.	8.0	20
21	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.	3.3	17
22	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. Diversity, 2021, 13, 328.	1.7	16
23	Soil cover patterns on flat interfluvies in the Kamennaya Steppe. Eurasian Soil Science, 2010, 43, 1309-1321.	1.6	15
24	Thermokarst lakes of Western Siberia: a complex biogeochemical multidisciplinary approach. International Journal of Environmental Studies, 2014, 71, 733-748.	1.6	15
25	First Findings of Buried Late-Glacial Paleosols within the Dune Fields of the Tomsk Priobye Region (SE) Tj ETQq1 1 0,784314 rgBT /Overl	2.2	14
26	Sizable pool of labile organic carbon in peat and mineral soils of permafrost peatlands, western Siberia. Geoderma, 2022, 409, 115601.	5.1	11
27	Composition and properties of soils developed within the ash disposal areas originated from peat combustion (Tyumen, Russia). Soil Science Annual, 2020, 71, 3-14.	0.8	10
28	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. Environmental Sciences: Processes and Impacts, 2022, 24, 1443-1459.	3.5	9
29	Vulnerability of the Ancient Peat Plateaus in Western Siberia. Plants, 2021, 10, 2813.	3.5	9
30	Elemental and Molecular Composition of Humic Acids Isolated from Soils of Tallgrass Temperate Rainforests (Chernevaya taiga) by 1H-13C HECTCOR NMR Spectroscopy. Agronomy, 2021, 11, 1998.	3.0	8
31	Soil cover patterns in the northern part of the area of aspen-fir taiga in the southeast of Western Siberia. Eurasian Soil Science, 2015, 48, 359-372.	1.6	6
32	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
33	Evaluating the effect of historical development on urban soils using microartifacts and geochemical indices. Environmental Geochemistry and Health, 2023, 45, 121-136.	3.4	5
34	Lithological sequence of soil formation on the low terraces of the Ob and the Tom rivers in the south of Tomsk Oblast. International Journal of Environmental Studies, 2015, 72, 1037-1046.	1.6	4
35	Holocene Soil Evolution in South Siberia Based on Phytolith Records and Genetic Soil Analysis (Russia). Geosciences (Switzerland), 2018, 8, 402.	2.2	4
36	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.	0.3	4

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37	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.	0.3	4
38	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.	0.3	3
39	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.	2.0	3
40	Polycyclic aromatic hydrocarbons in permafrost peatlands. Scientific Reports, 2021, 11, 18878.	3.3	3
41	Patterns of soil cover organization within the northern part of the Kondinskaya lowland (Western) Tj ETQq1 1 0.784314 rgBT /Overlook	0.3	2
42	Influence of Nickel Nanoparticles on Biological Activity of Humus Layer of Subboreal Forest. Nano Hybrids and Composites, 2017, 13, 108-114.	0.8	1
43	Some aspects of soil development in small sandy catchments of ancient river valleys (a case study of) Tj ETQq1 1 0.784314 rgBT /Overlook	0.3	1
44	Some aspects of soil formation on biogenic silicious rocks in Trans-Urals. Dokuchaev Soil Bulletin, 2019, , 64-85.	0.6	1
45	Evaluating the potential of capillary rise for the migration of Pt nanoparticles in Luvisols and Phaeozems (Western Siberia). Soil Science Annual, 2021, 72, 1-12.	0.8	1
46	Non-climatic causes for low productivity of Siberian tundra ecosystems. International Journal of Environmental Studies, 2014, 71, 605-610.	1.6	0
47	Microbiological characteristics of the profile of Cryic Fibric Histosol (Turbic) soil in Western Siberia. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012016.	0.3	0