

Sergey Loiko

List of Publications by Year in descending order

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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	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.	2.3	116
2	Organic and organo-mineral colloids in discontinuous permafrost zone. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 1-20.	1.6	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.	1.3	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.	1.3	75
5	Trace element transport in western Siberian rivers across a permafrost gradient. <i>Biogeosciences</i> , 2016, 13, 1877-1900.	1.3	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.	1.3	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.	3.9	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.	1.4	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.	1.2	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.	1.6	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.	0.5	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.	1.8	29
13	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
14	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
15	Enhanced particulate Hg export at the permafrost boundary, western Siberia. <i>Environmental Pollution</i> , 2019, 254, 113083.	3.7	25
16	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. <i>Chemosphere</i> , 2021, 266, 128953.	4.2	25
17	Microtopography Controls of Carbon and Related Elements Distribution in the West Siberian Frozen Bogs. <i>Geosciences (Switzerland)</i> , 2019, 9, 291.	1.0	21
18	Lake Drainage in Permafrost Regions Produces Variable Plant Communities of High Biomass and Productivity. <i>Plants</i> , 2020, 9, 867.	1.6	21

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19	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
20	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
21	Riverine particulate C and N generated at the permafrost thaw front: case study of western Siberian rivers across a 1700 km latitudinal transect. <i>Biogeosciences</i> , 2018, 15, 6867-6884.	1.3	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. <i>Diversity</i> , 2021, 13, 328.	0.7	16
23	Soil cover patterns on flat interfluves in the Kamennaya Steppe. <i>Eurasian Soil Science</i> , 2010, 43, 1309-1321.	0.5	15
24	Thermokarst lakes of Western Siberia: a complex biogeochemical multidisciplinary approach. <i>International Journal of Environmental Studies</i> , 2014, 71, 733-748.	0.7	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 P4	1.0	14
26	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
27	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
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. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1443-1459.	1.7	9
29	Vulnerability of the Ancient Peat Plateaus in Western Siberia. <i>Plants</i> , 2021, 10, 2813.	1.6	9
30	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
31	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
32	Investigation of Platinum and Nickel Nanoparticles Migration and Accumulation in Soils within the Southeastern Part of West Siberia. <i>Nano Hybrids and Composites</i> , 2017, 13, 115-122.	0.8	6
33	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
34	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
35	Holocene Soil Evolution in South Siberia Based on Phytolith Records and Genetic Soil Analysis (Russia). <i>Geosciences (Switzerland)</i> , 2018, 8, 402.	1.0	4
36	Properties and major element concentrations in peat profiles of the polygonal frozen bog in Western Siberia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 400, 012009.	0.2	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.	0.1	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.	0.2	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.	0.8	3
40	Polycyclic aromatic hydrocarbons in permafrost peatlands. Scientific Reports, 2021, 11, 18878.	1.6	3
41	Patterns of soil cover organization within the northern part of the Kondinskaya lowland (Western) Tj ETQq1 1 0.784314 rgBT ₂ /Overlook	0.1	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 ₂ /Overlook	0.2	1
44	Some aspects of soil formation on biogenic silicious rocks in Trans-Urals. Dokuchaev Soil Bulletin, 2019, , 64-85.	0.1	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.	0.4	1
46	Non-climatic causes for low productivity of Siberian tundra ecosystems. International Journal of Environmental Studies, 2014, 71, 605-610.	0.7	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.	0.2	0