

Anatoly Prokushkin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83
papers

2,436
citations

24
h-index

48
g-index

105
ext. papers

2,905
ext. citations

3.7
avg, IF

4.92
L-index

#	Paper	IF	Citations
83	The ABCflux database: ArcticBoreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022 , 14, 179-208	10.5	3
82	Evidence that modern fires may be unprecedented during the last 3400 years in permafrost zone of Central Siberia, Russia. <i>Environmental Research Letters</i> , 2022 , 17, 025004	6.2	4
81	Fire as a Major Factor in Dynamics of Tree-Growth and Stable ¹³ C and ¹⁸ O Variations in Larch in the Permafrost Zone. <i>Forests</i> , 2022 , 13, 725	2.8	0
80	Winter CO ₂ Fluxes in Ecosystems of Central Siberia: Comparative Estimates Using Three Different Approaches. <i>Russian Journal of Ecology</i> , 2021 , 52, 126-135	0.7	0
79	Temperature Control of Spring CO ₂ Fluxes at a Coniferous Forest and a Peat Bog in Central Siberia. <i>Atmosphere</i> , 2021 , 12, 984	2.7	1
78	Continuous CO ₂ and CH ₄ Observations in the Coastal Arctic Atmosphere of the Western Taimyr Peninsula, Siberia: The First Results from a New Measurement Station in Dikson. <i>Atmosphere</i> , 2021 , 12, 876	2.7	3
77	Phytomass Reserves and Distribution of Biogenic Elements in Gmelin Larch Stands in Central Evenkia (Using the Example of a Small Drainage Basin). <i>Biology Bulletin</i> , 2021 , 48, 84-93	0.5	
76	Distribution of Tracheid Lumen Areas within Annual Rings at Different Heights of Larch Stem under Permafrost Conditions. Crown Dieback. <i>Russian Journal of Ecology</i> , 2021 , 52, 391-398	0.7	
75	The Impact of Climatic Factors on CO ₂ Emissions from Soils of Middle-Taiga Forests in Central Siberia: Emission as a Function of Soil Temperature and Moisture. <i>Russian Journal of Ecology</i> , 2020 , 51, 46-56	0.7	7
74	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020 , 10, 555-560	21.4	44
73	Wildfires lead to decreased carbon and increased nitrogen concentrations in upland arctic streams. <i>Scientific Reports</i> , 2020 , 10, 8722	4.9	15
72	Weak impact of landscape parameters and rock lithology on Mg isotope composition of the Yenisey River and its tributaries. <i>Chemical Geology</i> , 2020 , 540, 119547	4.2	4
71	Long-term ecological consequences of forest fires in the continuous permafrost zone of Siberia. <i>Environmental Research Letters</i> , 2020 , 15, 034061	6.2	35
70	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020 , 15, 104004	6.2	11
69	Wildfire effects on BVOC emissions from boreal forest floor on permafrost soil in Siberia. <i>Science of the Total Environment</i> , 2020 , 711, 134851	10.2	12
68	Ecological and conceptual consequences of Arctic pollution. <i>Ecology Letters</i> , 2020 , 23, 1827-1837	10	14
67	Soil respiration in larch and pine ecosystems of the Krasnoyarsk region (Russian Federation): a latitudinal comparative study. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	3

66	Sapwood biomass carbon in northern boreal and temperate forests. <i>Global Ecology and Biogeography</i> , 2019 , 28, 640-660	6.1	5
65	Water and energy transfer modeling in a permafrost-dominated, forested catchment of Central Siberia: The key role of rooting depth. <i>Permafrost and Periglacial Processes</i> , 2019 , 30, 75-89	4.2	17
64	Intraseasonal Dynamics of River Discharge and Burned Forest Areas in Siberia. <i>Water (Switzerland)</i> , 2019 , 11, 1146	3	5
63	Influence of the Underlying Surface on Greenhouse Gas Concentrations in the Atmosphere Over Central Siberia. <i>Geography and Natural Resources</i> , 2019 , 40, 221-229	0.4	1
62	Tree ring-based reconstruction of the long-term influence of wildfires on permafrost active layer dynamics in Central Siberia. <i>Science of the Total Environment</i> , 2019 , 652, 314-319	10.2	27
61	Strong radiative effect induced by clouds and smoke on forest net ecosystem productivity in central Siberia. <i>Agricultural and Forest Meteorology</i> , 2018 , 250-251, 376-387	5.8	24
60	Interannual Variability of Atmospheric CO ₂ Concentrations over Central Siberia from ZOTTO Data for 2009-2015. <i>Russian Meteorology and Hydrology</i> , 2018 , 43, 288-294	0.8	6
59	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , 2018 , 9, 314	2.8	18
58	Sources of Dissolved Organic Carbon in Rivers of the Yenisei River Basin. <i>Doklady Earth Sciences</i> , 2018 , 480, 763-766	0.6	3
57	Microbiological Parameters and Peat Stratigraphy of Two Types of Bogs in the Northern Part of the SymDubches Interfluvium (Krasnoyarsk Krai). <i>Biology Bulletin</i> , 2018 , 45, 160-170	0.5	1
56	A Complex Approach for the Estimation of Carbonaceous Emissions from Wildfires in Siberia. <i>Russian Meteorology and Hydrology</i> , 2018 , 43, 295-301	0.8	4
55	Changes in fluxes of carbon dioxide and methane caused by fire in Siberian boreal forest with continuous permafrost. <i>Journal of Environmental Management</i> , 2018 , 228, 405-415	7.9	26
54	Probing the aluminum complexation by Siberian riverine organic matter using solid-state DNP-NMR. <i>Chemical Geology</i> , 2017 , 452, 1-8	4.2	9
53	Post-fire carbon and nitrogen accumulation and succession in Central Siberia. <i>Scientific Reports</i> , 2017 , 7, 12776	4.9	9
52	Soils of postpyrogenic larch stands in Central Siberia: Morphology, physicochemical properties, and specificity of soil organic matter. <i>Eurasian Soil Science</i> , 2017 , 50, 885-897	1.5	13
51	Linking trace gas measurements and molecular tracers of organic matter in aerosols for identification of ecosystem sources and types of wildfires in Central Siberia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 48, 012017	0.3	5
50	Major anion and cation fluxes from the Central Siberian Plateau watersheds with underlying permafrost. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016 , 48, 012018	0.3	3
49	The impact of an inverse climate-isotope relationship in soil water on the oxygen-isotope composition of <i>Larix gmelinii</i> in Siberia. <i>New Phytologist</i> , 2016 , 209, 955-64	9.8	42

48	Intraseasonal carbon sequestration and allocation in larch trees growing on permafrost in Siberia after C labeling (two seasons of 2013-2014 observation). <i>Photosynthesis Research</i> , 2016 , 130, 267-274	3.7	4
47	Post fire organic matter biodegradation in permafrost soils: Case study after experimental heating of mineral horizons. <i>Science of the Total Environment</i> , 2016 , 573, 1255-1264	10.2	4
46	Dynamics of the CO ₂ Fluxes from the Soil Surface in Pine Forests in Central Siberia. <i>Journal of Siberian Federal University - Biology</i> , 2016 , 9, 338-367	0.3	7
45	Dispersal limitation drives successional pathways in Central Siberian forests under current and intensified fire regimes. <i>Global Change Biology</i> , 2016 , 22, 2178-97	11.4	24
44	The effect of permafrost, vegetation, and lithology on Mg and Si isotope composition of the Yenisey River and its tributaries at the end of the spring flood. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 191, 32-46	5.5	32
43	The response of $\delta^{13}C$, $\delta^{18}O$ and cell anatomy of <i>Larix gmelinii</i> tree rings to differing soil active layer depths. <i>Dendrochronologia</i> , 2015 , 34, 51-59	2.8	20
42	Dynamics of soil respiration at different stages of pyrogenic restoration succession with different-aged burns in Evenkia as an example. <i>Russian Journal of Ecology</i> , 2015 , 46, 27-35	0.7	12
41	Variability of ground CO ₂ concentration in the middle taiga subzone of the Yenisei region of Siberia. <i>Russian Journal of Ecology</i> , 2015 , 46, 143-151	0.7	5
40	Long-term trend in CO ₂ concentration in the surface atmosphere over Central Siberia. <i>Russian Meteorology and Hydrology</i> , 2015 , 40, 186-190	0.8	12
39	Zn isotope fractionation in a pristine larch forest on permafrost-dominated soils in Central Siberia. <i>Geochemical Transactions</i> , 2015 , 16, 3	3	21
38	Nutrient uptake along a fire gradient in boreal streams of Central Siberia. <i>Freshwater Science</i> , 2015 , 34, 1443-1456	2	23
37	Examining the response of needle carbohydrates from Siberian larch trees to climate using compound-specific $\delta^{13}C$ and concentration analyses. <i>Plant, Cell and Environment</i> , 2015 , 38, 2340-52	8.4	23
36	Labile pyrogenic dissolved organic carbon in major Siberian Arctic rivers: Implications for wildfire-stream metabolic linkages. <i>Geophysical Research Letters</i> , 2015 , 42, 377-385	4.9	45
35	Temporal Variability of $\delta^{13}C$ and $\delta^{18}O$ Concentration in the Atmosphere of Middle Taiga Ecosystems of Siberia. <i>Izvestiya Rossiiskaya Akademii Nauk, Seriya Geograficheskaya</i> , 2015 , 112		2
34	The intensity of phytodetrite decomposition in larch forest of the permafrost zone in Central Siberia. <i>Biology Bulletin</i> , 2014 , 41, 89-97	0.5	5
33	Magnesium isotopes in permafrost-dominated Central Siberian larch forest watersheds. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 147, 76-89	5.5	40
32	Modeling of the thermal influence of fires on the physicochemical properties and microbial activity of litter in cryogenic soils. <i>Eurasian Soil Science</i> , 2014 , 47, 809-818	1.5	5
31	CH ₄ and N ₂ O dynamics of a <i>Larix gmelinii</i> forest in a continuous permafrost region of central Siberia during the growing season. <i>Polar Science</i> , 2014 , 8, 156-165	2.3	9

30	Specific features of xylogenesis in Dahurian larch, <i>Larix gmelinii</i> (Rupr.) Rupr., growing on permafrost soils in Middle Siberia. <i>Russian Journal of Ecology</i> , 2013 , 44, 361-366	0.7	19
29	Silicon isotope variations in Central Siberian rivers during basalt weathering in permafrost-dominated larch forests. <i>Chemical Geology</i> , 2013 , 355, 103-116	4.2	46
28	Biogeochemistry of stable Ca and radiogenic Sr isotopes in a larch-covered permafrost-dominated watershed of Central Siberia. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 114, 169-187	5.5	47
27	Tree-ring growth of Gmelin larch under contrasting local conditions in the north of Central Siberia. <i>Dendrochronologia</i> , 2013 , 31, 114-119	2.8	31
26	Seasonal and spatial variability of elemental concentrations in boreal forest larch foliage of Central Siberia on continuous permafrost. <i>Biogeochemistry</i> , 2013 , 113, 435-449	3.8	31
25	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. <i>Biogeochemistry</i> , 2013 , 116, 55-68	3.8	21
24	Biogeochemistry of carbon, major and trace elements in watersheds of northern Eurasia drained to the Arctic Ocean: The change of fluxes, sources and mechanisms under the climate warming prospective. <i>Comptes Rendus - Geoscience</i> , 2012 , 344, 663-677	1.4	51
23	Dissolved organic matter sources in large Arctic rivers. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 94, 217-237	3.3	162
22	Factors promoting larch dominance in central Siberia: fire versus growth performance and implications for carbon dynamics at the boundary of evergreen and deciduous conifers. <i>Biogeosciences</i> , 2012 , 9, 1405-1421	4.6	43
21	Seasonal variability of element fluxes in two Central Siberian rivers draining high latitude permafrost dominated areas. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3335-3357	5.5	98
20	Effect of fire on solute release from organic horizons under larch forest in Central Siberian permafrost terrain. <i>Geoderma</i> , 2011 , 166, 171-180	6.7	16
19	The content of organic carbon and its water-soluble fraction in the soils of Central Evenkia post-fire larch associations. <i>Contemporary Problems of Ecology</i> , 2011 , 4, 462-468	0.8	2
18	Export of dissolved carbon from watersheds of the Central Siberian Plateau. <i>Doklady Earth Sciences</i> , 2011 , 441, 1568-1571	0.6	3
17	Post-fire restoration of organic substance in the ground cover of the larch forests in permafrost zone of Central Evenkia. <i>Biology Bulletin</i> , 2011 , 38, 183-190	0.5	6
16	Sources and the flux pattern of dissolved carbon in rivers of the Yenisey basin draining the Central Siberian Plateau. <i>Environmental Research Letters</i> , 2011 , 6, 045212	6.2	64
15	Succession-driven transformation of plant and soil cover on solifluction sites in the permafrost zone of Central Evenkia. <i>Biology Bulletin</i> , 2010 , 37, 80-88	0.5	9
14	Behavior of Dissolved Organic Carbon in Larch Ecosystems. <i>Ecological Studies</i> , 2010 , 205-228	1.1	3
13	Do centennial tree-ring and stable isotope trends of <i>Larix gmelinii</i> (Rupr.) Rupr. indicate increasing water shortage in the Siberian north?. <i>Oecologia</i> , 2009 , 161, 825-835	2.9	75

12	Global Warming and Dissolved Organic Carbon Release from Permafrost Soils. <i>Soil Biology</i> , 2009 , 237-250		9
11	Fluxes of dissolved organic matter in larch forests in the cryolithozone of central Siberia. <i>Russian Journal of Ecology</i> , 2008 , 39, 151-159	0.7	11
10	Role of climate in removing dissolved organic matter from cryolithozone watersheds in central Siberia. <i>Russian Meteorology and Hydrology</i> , 2007 , 32, 404-412	0.8	4
9	The influence of heating on organic matter of forest litters and soils under experimental conditions. <i>Eurasian Soil Science</i> , 2007 , 40, 628-635	1.5	17
8	Source- and substrate-specific export of dissolved organic matter from permafrost-dominated forested watershed in central Siberia. <i>Global Biogeochemical Cycles</i> , 2007 , 21, n/a-n/a	5.9	37
7	Water-soluble organic carbon on a forested watershed underlain by continuous permafrost and its export to stream. <i>Forest Science and Technology</i> , 2006 , 2, 92-101	1.5	1
6	Critical analysis of root : shoot ratios in terrestrial biomes. <i>Global Change Biology</i> , 2006 , 12, 84-96	11.4	860
5	Productivity of mosses and organic matter accumulation in the litter of sphagnum larch forest in the permafrost zone. <i>Russian Journal of Ecology</i> , 2006 , 37, 225-232	0.7	13
4	Dissolved Organic Carbon in Upland Forested Watersheds Underlain by Continuous Permafrost in Central Siberia. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2006 , 11, 223-240	3.9	8
3	Climatic factors influencing fluxes of dissolved organic carbon from the forest floor in a continuous-permafrost Siberian watershed. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 2130-2140	1.9	36
2	Root system development of <i>Larix gmelinii</i> trees affected by micro-scale conditions of permafrost soils in central Siberia. <i>Plant and Soil</i> , 2003 , 255, 281-292	4.2	42
1	Root system development of <i>Larix gmelinii</i> trees affected by micro-scale conditions of permafrost soils in central Siberia 2003 , 281-292		1