

Oleg Pokrovsky

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.

283
papers

11,473
citations

57
h-index

96
g-index

329
ext. papers

13,120
ext. citations

5.1
avg, IF

6.5
L-index

#	Paper	IF	Citations
283	Sizable pool of labile organic carbon in peat and mineral soils of permafrost peatlands, western Siberia. <i>Geoderma</i> , 2022 , 409, 115601	6.7	1
282	Dissolved Metal (Fe, Mn, Zn, Ni, Cu, Co, Cd, Pb) and Metalloid (As, Sb) in Snow Water across a 2800 km Latitudinal Profile of Western Siberia: Impact of Local Pollution and Global Transfer. <i>Water (Switzerland)</i> , 2022 , 14, 94	3	0
281	Carbon, nutrient and metal controls on phytoplankton concentration and biodiversity in thermokarst lakes of latitudinal gradient from isolated to continuous permafrost. <i>Science of the Total Environment</i> , 2022 , 806, 151250	10.2	2
280	Carbon sequestration potential of Mg carbonate and silicate biomineralization in the presence of cyanobacterium <i>Synechococcus</i> . <i>Chemical Geology</i> , 2022 , 599, 120854	4.2	0
279	Experimental Modeling of Carbonate Mineral Precipitation in the Presence of Cyanobacteria. <i>Microbiology Monographs</i> , 2022 , 315-345	0.8	
278	Landscape, Soil, Lithology, Climate and Permafrost Control on Dissolved Carbon, Major and Trace Elements in the Ob River, Western Siberia. <i>Water (Switzerland)</i> , 2021 , 13, 3189	3	2
277	Iron, Phosphorus and Trace Elements in Mussels Shells, Water, and Bottom Sediments from the Severnaya Dvina and the Onega River Basins (Northwestern Russia). <i>Water (Switzerland)</i> , 2021 , 13, 3227 ³		0
276	Distribution of Dissolved Nitrogen Compounds in the Water Column of a Meromictic Subarctic Lake. <i>Nitrogen</i> , 2021 , 2, 428-443	1.8	1
275	Influence of secondary metabolites on surface chemistry and metal adsorption of a devitalized lichen biomonitor. <i>Environmental Pollution</i> , 2021 , 273, 116500	9.3	1
274	Great Vasyugan Mire: How the world's largest peatland helps addressing the world's largest problems. <i>Ambio</i> , 2021 , 50, 2038-2049	6.5	8
273	Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. <i>Science of the Total Environment</i> , 2021 , 763, 144201	10.2	7
272	Colloidal organic carbon and trace elements in peat porewaters across a permafrost gradient in Western Siberia. <i>Geoderma</i> , 2021 , 390, 114971	6.7	6
271	Testing Landscape, Climate and Lithology Impact on Carbon, Major and Trace Elements of the Lena River and Its Tributaries during a Spring Flood Period. <i>Water (Switzerland)</i> , 2021 , 13, 2093	3	2
270	Carbon emission from thermokarst lakes in NE European tundra. <i>Limnology and Oceanography</i> , 2021 , 66, S216	4.8	7
269	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. <i>Chemosphere</i> , 2021 , 266, 128953	8.4	10
268	Carbon emission from Western Siberian inland waters. <i>Nature Communications</i> , 2021 , 12, 825	17.4	17
267	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	2.5	3

266	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	10.2	9
265	Storage and recycling of major and trace element in mangroves. <i>Science of the Total Environment</i> , 2021 , 780, 146379	10.2	7
264	The temporal evolution of the carbon isotope composition of calcite in the presence of cyanobacteria. <i>Chemical Geology</i> , 2021 , 584, 120556	4.2	1
263	Impact of freeze-thaw cycles on organic carbon and metals in waters of permafrost peatlands. <i>Chemosphere</i> , 2021 , 279, 130510	8.4	4
262	Fluvial carbon dioxide emission from the Lena River basin during the spring flood. <i>Biogeosciences</i> , 2021 , 18, 4919-4936	4.6	3
261	Sizable carbon emission from the floodplain of Ob River. <i>Ecological Indicators</i> , 2021 , 131, 108164	5.8	2
260	Major and Trace Elements in Water and Suspended Matter of the Northern Dvina River and Their Annual Discharge into the White Sea. <i>Oceanology</i> , 2021 , 61, 994-1005	0.7	1
259	Diel cycles of carbon, nutrient and metal in humic lakes of permafrost peatlands. <i>Science of the Total Environment</i> , 2020 , 737, 139671	10.2	1
258	New Data on the Concentrations of Dissolved Trace Elements in Waters of Russian Arctic Rivers. <i>Doklady Earth Sciences</i> , 2020 , 491, 257-263	0.6	4
257	Using stable isotopes to assess river water dynamics and groundwater input in the largest European Arctic river (Severnaya Dvina). <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 444	3.1	
256	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
255	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	3	20
254	Strong temporal and spatial variation of dissolved Cu isotope composition in acid mine drainage under contrasted hydrological conditions. <i>Environmental Pollution</i> , 2020 , 266, 115104	9.3	2
253	Variability of hydrochemical parameters of small boreal lakes under natural and anthropogenic factors (case study of NW Russia). <i>Hydrobiologia</i> , 2020 , 847, 4653-4670	2.4	1
252	Coagulation of organo-mineral colloids and formation of low molecular weight organic and metal complexes in boreal humic river water under UV-irradiation. <i>Chemosphere</i> , 2020 , 250, 126216	8.4	9
251	Bioaccumulation of vanadium (V), niobium (Nb) and tantalum (Ta) in diverse mangroves of the Indian Sundarbans. <i>Plant and Soil</i> , 2020 , 448, 553-564	4.2	8
250	High resolution multi-annual riverine fluxes of organic carbon, nutrient and trace element from the largest European Arctic river, Severnaya Dvina. <i>Chemical Geology</i> , 2020 , 538, 119491	4.2	19
249	Elemental and Isotopic Variations of Copper and Zinc Associated with the Diel Activity of Phototrophic Biofilm. <i>Environmental Science & Technology</i> , 2020 , 54, 6741-6750	10.3	1

248	Aerobic release and biodegradation of dissolved organic matter from frozen peat: Effects of temperature and heterotrophic bacteria. <i>Chemical Geology</i> , 2020 , 536, 119448	4.2	10
247	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	5.5	18
246	Accumulation of heavy metals in phytoliths from reeds growing on mining environments in Southern Europe. <i>Science of the Total Environment</i> , 2020 , 712, 135595	10.2	14
245	Lake Drainage in Permafrost Regions Produces Variable Plant Communities of High Biomass and Productivity. <i>Plants</i> , 2020 , 9,	4.5	10
244	Revised pan-Arctic permafrost soil Hg pool based on Western Siberian peat Hg and carbon observations. <i>Biogeosciences</i> , 2020 , 17, 3083-3097	4.6	15
243	Insoluble Particles in the Snowpack of the Ob River Basin (Western Siberia) a 2800 km Submeridional Profile. <i>Atmosphere</i> , 2020 , 11, 1184	2.7	8
242	Spatial and Seasonal Variations of C, Nutrient, and Metal Concentration in Thermokarst Lakes of Western Siberia Across a Permafrost Gradient. <i>Water (Switzerland)</i> , 2020 , 12, 1830	3	8
241	Phase Fractionation of Chemical Elements During the Formation of Ice in Fresh Surface Waters. <i>Doklady Earth Sciences</i> , 2020 , 492, 327-332	0.6	1
240	Dissolved organic matter biodegradation along a hydrological continuum in permafrost peatlands. <i>Science of the Total Environment</i> , 2020 , 749, 141463	10.2	5
239	Symbiotic cooperation between freshwater rock-boring bivalves and microorganisms promotes silicate bioerosion. <i>Scientific Reports</i> , 2020 , 10, 13385	4.9	2
238	Olivine dissolution and hydrous Mg carbonate and silicate precipitation in the presence of microbial consortium of photo-autotrophic and heterotrophic bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 268, 123-141	5.5	5
237	Iron Isotope Fractionation during Bio- and Photodegradation of Organoferric Colloids in Boreal Humic Waters. <i>Environmental Science & Technology</i> , 2019 , 53, 11183-11194	10.3	5
236	Enhanced particulate Hg export at the permafrost boundary, western Siberia. <i>Environmental Pollution</i> , 2019 , 254, 113083	9.3	16
235	The evolution of the ecosystems of thermokarst lakes of the Bolshezemelskaya tundra in the context of climate change. <i>E3S Web of Conferences</i> , 2019 , 98, 02010	0.5	1
234	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019 , 5, eaax2805	14.3	38
233	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019 , 226, 115301	10.3	26
232	Cadmium allocation to grains in durum wheat exposed to low Cd concentrations in hydroponics. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 184, 109592	7	16
231	Colloidal transport of carbon and metals by western Siberian rivers during different seasons across a permafrost gradient. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 265, 221-241	5.5	12

230	Chemical weathering of mafic rocks in boreal subarctic environment (northwest Russia) under influence of glacial moraine deposits. <i>Chemical Geology</i> , 2019 , 509, 115-133	4.2	3
229	Enhancement of cyanobacterial growth by riverine particulate material. <i>Chemical Geology</i> , 2019 , 525, 143-167	4.2	1
228	Carbon and nutrients in the Yenisei River tributaries draining the Western Siberia Peatlands. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 232, 012010	0.3	0
227	Biogeochemistry of dissolved carbon, major, and trace elements during spring flood periods on the Ob River. <i>Hydrological Processes</i> , 2019 , 33, 1579-1594	3.3	13
226	Copper isotope fractionation during excretion from a phototrophic biofilm. <i>Chemical Geology</i> , 2019 , 513, 88-100	4.2	5
225	Investigation of the earth roof through the combined method: mechanical way and ground penetrating radar in the Yamalo-Nenets Autonomous Okrug. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 232, 012015	0.3	
224	Changes in the palsa landscapes components in the West Siberian northern taiga 10 years after wildfires. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 232, 012021	0.3	0
223	High carbon emissions from thermokarst lakes of Western Siberia. <i>Nature Communications</i> , 2019 , 10, 1552	17.4	53
222	State of rare earth elements in the sediment and their bioaccumulation by mangroves: a case study in pristine islands of Indian Sundarban. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9146-9160	5.1	9
221	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
220	Spatial and Temporal Variability of the Transformation of Dissolved Matter Runoff in the Mezen River Estuary. <i>Oceanology</i> , 2019 , 59, 199-207	0.7	1
219	Biosurface properties and lead adsorption in a clone of <i>Sphagnum palustre</i> (Mosses): Towards a unified protocol of biomonitoring of airborne heavy metal pollution. <i>Chemosphere</i> , 2019 , 236, 124375	8.4	4
218	Microtopography Controls of Carbon and Related Elements Distribution in the West Siberian Frozen Bogs. <i>Geosciences (Switzerland)</i> , 2019 , 9, 291	2.7	12
217	Humic surface waters of frozen peat bogs (permafrost zone) are highly resistant to bio- and photodegradation. <i>Biogeosciences</i> , 2019 , 16, 2511-2526	4.6	26
216	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from Spider Molt Cuticle. <i>Molecules</i> , 2019 , 24,	4.8	24
215	Organic matter of floodplain lakes in the middle courses of the Ob River during the winter low-water season and the spring flood. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 400, 012007	0.3	
214	Experimental modeling of the bacterial community translocation during freezing and thawing of peat permafrost soils of Western Siberia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 400, 012017	0.3	2
213	Mg-Rich Authigenic Carbonates in Coastal Facies of the Vtoroe Zasechnoe Lake (Southwest Siberia): First Assessment and Possible Mechanisms of Formation. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 763	2.4	1

212	Metal contaminations impact archaeal community composition, abundance and function in remote alpine lakes. <i>Environmental Microbiology</i> , 2018 , 20, 2422-2437	5.2	3
211	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	10.2	39
210	Russian-EU collaboration via the mega-transect approach for large-scale projects: cases of RF Federal target Programme and SIWA JPI Climate EU Programme. <i>International Journal of Environmental Studies</i> , 2018 , 75, 385-394	1.8	3
209	Permafrost and lakes control river isotope composition across a boreal Arctic transect in the Western Siberian lowlands. <i>Environmental Research Letters</i> , 2018 , 13, 034028	6.2	23
208	Freeze-thaw cycles of Arctic thaw ponds remove colloidal metals and generate low-molecular-weight organic matter. <i>Biogeochemistry</i> , 2018 , 137, 321-336	3.8	14
207	Photodegradation of river dissolved organic matter and trace metals in the largest European Arctic estuary. <i>Science of the Total Environment</i> , 2018 , 622-623, 1343-1352	10.2	20
206	Contribution of remobilization to the loading of cadmium in durum wheat grains: impact of post-anthesis nitrogen supply. <i>Plant and Soil</i> , 2018 , 424, 591-606	4.2	26
205	Origin of elemental carbon in snow from western Siberia and northwestern European Russia during winter-spring 2014, 2015 and 2016. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 963-977	6.8	19
204	Minor contribution of small thaw ponds to the pools of carbon and methane in the inland waters of the permafrost-affected part of the Western Siberian Lowland. <i>Environmental Research Letters</i> , 2018 , 13, 045002	6.2	26
203	Small changes in Cu redox state and speciation generate large isotope fractionation during adsorption and incorporation of Cu by a phototrophic biofilm. <i>Geochimica Et Cosmochimica Acta</i> , 2018 , 220, 1-18	5.5	21
202	The Geochemical Features of the River Discharge to the White Sea. <i>Handbook of Environmental Chemistry</i> , 2018 , 47-81	0.8	4
201	The role of Eurasian beaver (<i>Castor fiber</i>) in the storage, emission and deposition of carbon in lakes and rivers of the River Ob flood plain, western Siberia. <i>Science of the Total Environment</i> , 2018 , 644, 1371-1379	10.2	13
200	Surface complexation modeling of interactions between freshwater and marine diatom species and trace elements (Mo, W, Cr, Ge, Ga, Al). <i>Chemical Geology</i> , 2018 , 494, 117-126	4.2	2
199	Discovery of a silicate rock-boring organism and macrobioerosion in fresh water. <i>Nature Communications</i> , 2018 , 9, 2882	17.4	16
198	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , 2018 , 9, 314	2.8	18
197	Interaction of Freshwater Diatom with Gold Nanoparticles: Adsorption, Assimilation, and Stabilization by Cell Exometabolites. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 99	2.4	2
196	Sources of Dissolved Organic Carbon in Rivers of the Yenisei River Basin. <i>Doklady Earth Sciences</i> , 2018 , 480, 763-766	0.6	3
195	Are Cu isotopes a useful tool to trace metal sources and processes in acid mine drainage (AMD) context?. <i>Chemosphere</i> , 2018 , 193, 1071-1079	8.4	22

194	Low biodegradability of dissolved organic matter and trace metals from subarctic waters. <i>Science of the Total Environment</i> , 2018 , 618, 174-187	10.2	11
193	Eurasian river spring flood observations support net Arctic Ocean mercury export to the atmosphere and Atlantic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E11586-E11594	11.5	45
192	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	4.6	8
191	High riverine CO ₂ emissions at the permafrost boundary of Western Siberia. <i>Nature Geoscience</i> , 2018 , 11, 825-829	18.3	40
190	Dispersed Sedimentary Matter of the Atmosphere. <i>Handbook of Environmental Chemistry</i> , 2018 , 9-46	0.8	1
189	The Mixing Zone Between Waters of the Severnaya Dvina River and the White Sea. <i>Handbook of Environmental Chemistry</i> , 2018 , 83-113	0.8	1
188	Dissolved Organic Matter Controls Seasonal and Spatial Selenium Concentration Variability in Thaw Lakes across a Permafrost Gradient. <i>Environmental Science & Technology</i> , 2018 , 52, 10254-10262	10.3	10
187	Moss and Peat Leachate Degradability by Heterotrophic Bacteria: The Fate of Organic Carbon and Trace Metals. <i>Geomicrobiology Journal</i> , 2017 , 34, 641-655	2.5	14
186	Experimental modeling of thaw lake water evolution in discontinuous permafrost zone: Role of peat, lichen leaching and ground fire. <i>Science of the Total Environment</i> , 2017 , 580, 245-257	10.2	14
185	Transformation of organo-ferric peat colloids by a heterotrophic bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 205, 313-330	5.5	17
184	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
183	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	2	20
182	Dissolved organic matter degradation by sunlight coagulates organo-mineral colloids and produces low-molecular weight fraction of metals in boreal humic waters. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 211, 97-114	5.5	21
181	Abrupt permafrost collapse enhances organic carbon, CO ₂ , nutrient and metal release into surface waters. <i>Chemical Geology</i> , 2017 , 471, 153-165	4.2	42
180	Origin of elemental carbon in snow from Western Siberia and northwestern European Russia during winter-spring 2014, 2015 and 2016 2017 ,		1
179	Variability in methane emissions from West Siberia's shallow boreal lakes on a regional scale and its environmental controls. <i>Biogeosciences</i> , 2017 , 14, 3715-3742	4.6	23
178	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	4.6	41
177	Transformation of dissolved organic matter and related trace elements in the mouth zone of the largest European Arctic river: experimental modeling. <i>Inland Waters</i> , 2017 , 7, 272-282	2.4	11

176	Characterisation of Fe-bearing particles and colloids in the Lena River basin, NE Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 213, 553-573	5.5	31
175	Impact of Cyanobacterial Associate and Heterotrophic Bacteria on Dissolved Organic Carbon and Metal in Moss and Peat Leachate: Application to Permafrost Thaw in Aquatic Environments. <i>Aquatic Geochemistry</i> , 2017 , 23, 331-358	1.7	8
174	Bioadsorption of Heavy Metals 2017 , 233-255		6
173	Impact of snow deposition on major and trace element concentrations and elementary fluxes in surface waters of the Western Siberian Lowland across a 1700 km latitudinal gradient. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 5725-5746	5.5	24
172	Size Distribution, Surface Coverage, Water, Carbon, and Metal Storage of Thermokarst Lakes in the Permafrost Zone of the Western Siberia Lowland. <i>Water (Switzerland)</i> , 2017 , 9, 228	3	34
171	Permafrost Boundary Shift in Western Siberia May Not Modify Dissolved Nutrient Concentrations in Rivers. <i>Water (Switzerland)</i> , 2017 , 9, 985	3	17
170	Silicon alleviates Cd stress of wheat seedlings (<i>Triticum turgidum</i> L. cv. Claudio) grown in hydroponics. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 1414-27	5.1	158
169	Response of three biofilm-forming benthic microorganisms to Ag nanoparticles and Ag: the diatom <i>Nitzschia palea</i> , the green alga <i>Uronema confervicolum</i> and the cyanobacteria <i>Leptolyngbya</i> sp. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 22136-22150	5.1	13
168	Seasonal dynamics of phytoplankton in acidic and humic environment in thaw ponds of discontinuous permafrost zone. <i>Annales De Limnologie</i> , 2016 , 52, 47-60	0.7	9
167	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
166	Oxygen isotope and deuterium composition of snow cover on the profile of Western Siberia from Tomsk to the Gulf of Ob. <i>Doklady Earth Sciences</i> , 2016 , 471, 1284-1287	0.6	6
165	Organic and organo-mineral colloids in discontinuous permafrost zone. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 188, 1-20	5.5	56
164	Measuring and Estimating Fluxes of Carbon, Major and Trace Elements to the Arctic Ocean. <i>Springer Water</i> , 2016 , 185-212	0.3	0
163	Speciation, Size Fractionation and Transport of Trace Elements in the Continuum Soil Water-Mire-Humic Lake-River-Large Oligotrophic Lake of a Subarctic Watershed. <i>Aquatic Geochemistry</i> , 2016 , 22, 65-95	1.7	32
162	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016 , 11, 034014	6.2	165
161	Chemical and structural characterization of copper adsorbed on mosses (Bryophyta). <i>Journal of Hazardous Materials</i> , 2016 , 308, 343-54	12.8	19
160	Metal and proton adsorption capacities of natural and cloned Sphagnum mosses. <i>Journal of Colloid and Interface Science</i> , 2016 , 461, 326-334	9.3	27
159	Trace element transport in western Siberian rivers across a permafrost gradient. <i>Biogeosciences</i> , 2016 , 13, 1877-1900	4.6	50

158	Small Boreal Lake Ecosystem Evolution under the Influence of Natural and Anthropogenic Factors: Results of Multidisciplinary Long-Term Study. <i>Water (Switzerland)</i> , 2016 , 8, 316	3	4
157	Short-term partitioning of Cd recently taken up between sunflowers organs (<i>Helianthus annuus</i>) at flowering and grain filling stages: effect of plant transpiration and allometry. <i>Plant and Soil</i> , 2016 , 408, 163-181	4.2	3
156	Variability in grain cadmium concentration among durum wheat cultivars: impact of aboveground biomass partitioning. <i>Plant and Soil</i> , 2016 , 404, 307-320	4.2	40
155	Macro- and Microelement Water Composition of the Volga River Delta and Its Interannual Variability. <i>Arid Ecosystems</i> , 2016 , 6, 8-17	0.7	
154	Experimental Modeling of Bacterially-Induced Ca Carbonate Precipitation: New Insights on Possible Mechanisms. <i>Key Engineering Materials</i> , 2016 , 672, 21-39	0.4	0
153	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
152	The continuous re-equilibration of carbon isotope compositions of hydrous Mg carbonates in the presence of cyanobacteria. <i>Chemical Geology</i> , 2015 , 404, 41-51	4.2	22
151	Zn isotope fractionation in a pristine larch forest on permafrost-dominated soils in Central Siberia. <i>Geochemical Transactions</i> , 2015 , 16, 3	3	21
150	Impact of heterotrophic bacterium <i>Pseudomonas aureofaciens</i> on the release of major and trace elements from podzol soil into aqueous solution. <i>Chemical Geology</i> , 2015 , 410, 174-187	4.2	6
149	Effect of silicon on wheat seedlings (<i>Triticum turgidum</i> L.) grown in hydroponics and exposed to 0 to 30 μ M Cu. <i>Planta</i> , 2015 , 241, 847-60	4.7	219
148	Elemental composition of peat profiles in western Siberia: Effect of the micro-landscape, latitude position and permafrost coverage. <i>Applied Geochemistry</i> , 2015 , 53, 53-70	3.5	52
147	Experimental Modeling of Cyanobacterial Bloom in a Thermokarst Lake: Fate of Organic Carbon, Trace Metal, and Carbon Sequestration Potential. <i>Aquatic Geochemistry</i> , 2015 , 21, 487-511	1.7	12
146	The supply of trace elements from the atmosphere recorded in a natural archive by the example of the Ilas ombrotrophic bog in the White Sea drainage basin. <i>Doklady Earth Sciences</i> , 2015 , 465, 1272-1277 ^{0.6}		
145	Iron isotope systematics in Arctic rivers. <i>Comptes Rendus - Geoscience</i> , 2015 , 347, 377-385	1.4	27
144	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	4.6	63
143	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers. <i>Biogeosciences</i> , 2015 , 12, 6301-6320	4.6	55
142	Silver nanoparticles impact phototrophic biofilm communities to a considerably higher degree than ionic silver. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 8412-24	5.1	28
141	Iron isotope fractionation during Fe(II) and Fe(III) adsorption on cyanobacteria. <i>Chemical Geology</i> , 2015 , 400, 24-33	4.2	31

140	Experimental modeling of calcium carbonate precipitation by cyanobacterium <i>Gloeocapsa</i> sp.. <i>Chemical Geology</i> , 2014 , 374-375, 44-60	4.2	39
139	Metal adsorption on mosses: Toward a universal adsorption model. <i>Journal of Colloid and Interface Science</i> , 2014 , 415, 169-78	9.3	91
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8	Permafrost coverage, watershed area and season control of dissolved carbon and major elements in western Siberian rivers		2
7	Trace elements transport in western Siberia rivers across a permafrost gradient		3
6	Can Mg isotopes be used to trace cyanobacteria-mediated magnesium carbonate precipitation in alkaline lakes?		13
5	Impact of snow deposition on major and trace element concentrations and fluxes in surface waters of Western Siberian Lowland		2
4	Transformation of organic carbon, trace element, and organo-mineral colloids in the mixing zone of the largest European Arctic river		2
3	Hydrochemical composition of thermokarst lake waters in the permafrost zone of western Siberia within the context of climate change		1
2	Effect of permafrost thawing on the organic carbon and trace element colloidal speciation and microbial activity in thermokarst lakes of Western Siberia		1
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