

Oleg Pokrovsky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3906592/publications.pdf>

Version: 2024-02-01

279
papers

14,578
citations

18465

62
h-index

27389

106
g-index

329
all docs

329
docs citations

329
times ranked

11450
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics and mechanism of forsterite dissolution at 25°C and pH from 1 to 12. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3313-3325.	1.6	370
2	Dissolution kinetics of calcite, dolomite and magnesite at 25 °C and 0 to 50 atm pCO ₂ . <i>Chemical Geology</i> , 2005, 217, 239-255.	1.4	345
3	Iron colloids/organic matter associated transport of major and trace elements in small boreal rivers and their estuaries (NW Russia). <i>Chemical Geology</i> , 2002, 190, 141-179.	1.4	339
4	Calcite, dolomite and magnesite dissolution kinetics in aqueous solutions at acid to circumneutral pH, 25 to 150°C and 1 to 55 atm pCO ₂ : New constraints on CO ₂ sequestration in sedimentary basins. <i>Chemical Geology</i> , 2009, 265, 20-32.	1.4	299
5	Effect of silicon on wheat seedlings (<i>Triticum turgidum</i> L.) grown in hydroponics and exposed to 0 to 30 μM Cu. <i>Planta</i> , 2015, 241, 847-860.	1.6	295
6	The Link Between Mineral Dissolution/Precipitation Kinetics and Solution Chemistry. <i>Reviews in Mineralogy and Geochemistry</i> , 2009, 70, 207-258.	2.2	291
7	Surface chemistry and reactivity of plant phytoliths in aqueous solutions. <i>Chemical Geology</i> , 2009, 258, 197-206.	1.4	283
8	Surface Chemistry and Dissolution Kinetics of Divalent Metal Carbonates. <i>Environmental Science & Technology</i> , 2002, 36, 426-432.	4.6	266
9	Experimental study of brucite dissolution and precipitation in aqueous solutions: surface speciation and chemical affinity control. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 31-45.	1.6	253
10	Evidence of the Existence of Three Types of Species at the Quartz-Aqueous Solution Interface at pH 0~10: XPS Surface Group Quantification and Surface Complexation Modeling. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2937-2945.	1.2	230
11	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, 1414-1427.	2.7	224
12	Trace element fractionation and transport in boreal rivers and soil porewaters of permafrost-dominated basaltic terrain in Central Siberia. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3239-3260.	1.6	218
13	Modern Views on Desilicification: Biosilica and Abiotic Silica Dissolution in Natural and Artificial Environments. <i>Chemical Reviews</i> , 2010, 110, 4656-4689.	23.0	215
14	Dolomite surface speciation and reactivity in aquatic systems. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 3133-3143.	1.6	199
15	Surface properties, solubility and dissolution kinetics of bamboo phytoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 1939-1951.	1.6	199
16	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.	2.2	199
17	Surface Speciation Models of Calcite and Dolomite/Aqueous Solution Interfaces and Their Spectroscopic Evaluation. <i>Langmuir</i> , 2000, 16, 2677-2688.	1.6	188
18	Copper isotope fractionation during its interaction with soil and aquatic microorganisms and metal oxy(hydr)oxides: Possible structural control. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1742-1757.	1.6	187

#	ARTICLE	IF	CITATIONS
19	Zinc stable isotope fractionation during its adsorption on oxides and hydroxides. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 192-200.	5.0	183
20	Dissolved, suspended, and colloidal fluxes of organic carbon, major and trace elements in the Severnaya Dvina River and its tributary. <i>Chemical Geology</i> , 2010, 273, 136-149.	1.4	180
21	Experimental determination of the effect of dissolved CO ₂ on the dissolution kinetics of Mg and Ca silicates at 25 °C. <i>Chemical Geology</i> , 2005, 217, 227-238.	1.4	167
22	Interaction between zinc and freshwater and marine diatom species: Surface complexation and Zn isotope fractionation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 839-857.	1.6	167
23	Forsterite surface composition in aqueous solutions: a combined potentiometric, electrokinetic, and spectroscopic approach. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 3299-3312.	1.6	151
24	Kinetics and mechanisms of dolomite dissolution in neutral to alkaline solutions revisited. <i>Numerische Mathematik</i> , 2001, 301, 597-626.	0.7	135
25	Effect of pH and organic ligands on the kinetics of smectite dissolution at 25°C. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4436-4451.	1.6	132
26	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.	1.6	128
27	Fe ³⁺ -Al ³⁺ -organic Colloids Control of Trace Elements in Peat Soil Solutions: Results of Ultrafiltration and Dialysis. <i>Aquatic Geochemistry</i> , 2005, 11, 241-278.	1.5	127
28	Processes at the magnesium-bearing carbonates/solution interface. II. kinetics and mechanism of magnesite dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 881-897.	1.6	125
29	Basalt weathering in Central Siberia under permafrost conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5659-5680.	1.6	125
30	Trace elements in organic- and iron-rich surficial fluids of the boreal zone: Assessing colloidal forms via dialysis and ultrafiltration. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 449-468.	1.6	121
31	Metal adsorption on mosses: Toward a universal adsorption model. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 169-178.	5.0	119
32	Processes at the magnesium-bearing carbonates/solution interface. I. a surface speciation model for magnesite. <i>Geochimica Et Cosmochimica Acta</i> , 1999, 63, 863-880.	1.6	118
33	Mercury Stable Isotope Signatures of World Coal Deposits and Historical Coal Combustion Emissions. <i>Environmental Science & Technology</i> , 2014, 48, 7660-7668.	4.6	118
34	Biogeochemistry of organic carbon, CO ₂ , CH ₄ , and trace elements in thermokarst water bodies in discontinuous permafrost zones of Western Siberia. <i>Biogeochemistry</i> , 2013, 113, 573-593.	1.7	116
35	Formation, growth and transformation of leached layers during silicate minerals dissolution: The example of wollastonite. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 259-281.	1.6	114
36	The surface chemistry of multi-oxide silicates. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4617-4634.	1.6	110

#	ARTICLE	IF	CITATIONS
37	An experimental study of magnesite precipitation rates at neutral to alkaline conditions and 100–200°C as a function of pH, aqueous solution composition and chemical affinity. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 83, 93-109.	1.6	105
38	Effect of permafrost thawing on organic carbon and trace element colloidal speciation in the thermokarst lakes of western Siberia. <i>Biogeosciences</i> , 2011, 8, 565-583.	1.3	103
39	Kinetics of brucite dissolution at 25°C in the presence of organic and inorganic ligands and divalent metals. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 905-918.	1.6	102
40	Adsorption of copper on <i>Pseudomonas aureofaciens</i> : Protective role of surface exopolysaccharides. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 305-314.	5.0	99
41	Extreme iron isotope fractionation between colloids and particles of boreal and temperate organic-rich waters. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 101, 96-111.	1.6	99
42	High carbon emissions from thermokarst lakes of Western Siberia. <i>Nature Communications</i> , 2019, 10, 1552.	5.8	98
43	Principles of demineralization: Modern strategies for the isolation of organic frameworks. <i>Micron</i> , 2009, 40, 169-193.	1.1	97
44	Study of diatoms/aqueous solution interface. I. Acid-base equilibria and spectroscopic observation of freshwater and marine species. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4039-4058.	1.6	95
45	Calcium carbonate precipitation by anoxygenic phototrophic bacteria. <i>Chemical Geology</i> , 2012, 291, 116-131.	1.4	95
46	Magnesium isotope fractionation during hydrous magnesium carbonate precipitation with and without cyanobacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 76, 161-174.	1.6	93
47	Adsorption of metals and protons on <i>Gloeocapsa</i> sp. cyanobacteria: A surface speciation approach. <i>Applied Geochemistry</i> , 2008, 23, 2574-2588.	1.4	91
48	Surface charge and zeta-potential of metabolically active and dead cyanobacteria. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 317-325.	5.0	87
49	Using Mg Isotopes to Trace Cyanobacterially Mediated Magnesium Carbonate Precipitation in Alkaline Lakes. <i>Aquatic Geochemistry</i> , 2013, 19, 1-24.	1.5	85
50	Experimental study of terrestrial plant litter interaction with aqueous solutions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 70-84.	1.6	82
51	Experimental study of germanium adsorption on goethite and germanium coprecipitation with iron hydroxide: X-ray absorption fine structure and macroscopic characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3325-3341.	1.6	80
52	Organic and organo-mineral colloids in discontinuous permafrost zone. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 1-20.	1.6	79
53	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
54	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.	2.2	77

#	ARTICLE	IF	CITATIONS
55	Chemical weathering of silicate rocks in Karelia region and Kola peninsula, NW Russia: Assessing the effect of rock composition, wetlands and vegetation. <i>Chemical Geology</i> , 2007, 242, 255-277.	1.4	76
56	Principles of demineralization: Modern strategies for the isolation of organic frameworks. <i>Micron</i> , 2008, 39, 1062-1091.	1.1	76
57	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
58	Co-variation of Mg and C isotopes in late Precambrian carbonates of the Siberian Platform: A new tool for tracing the change in weathering regime?. <i>Chemical Geology</i> , 2011, 290, 67-74.	1.4	69
59	Trace element transport in western Siberian rivers across a permafrost gradient. <i>Biogeosciences</i> , 2016, 13, 1877-1900.	1.3	69
60	Fate of colloids during estuarine mixing in the Arctic. <i>Ocean Science</i> , 2014, 10, 107-125.	1.3	68
61	Size fractionation and optical properties of dissolved organic matter in the continuum soil solution-bog-river and terminal lake of a boreal watershed. <i>Organic Geochemistry</i> , 2014, 66, 14-24.	0.9	68
62	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.	3.3	68
63	Experimental study of the effect of organic ligands on diopside dissolution kinetics. <i>Chemical Geology</i> , 2006, 235, 377-389.	1.4	66
64	Thermokarst lake waters across the permafrost zones of western Siberia. <i>Cryosphere</i> , 2014, 8, 1177-1193.	1.5	66
65	Aqueous reactivity of phytoliths and plant litter: Physico-chemical constraints on terrestrial biogeochemical cycle of silicon. <i>Journal of Geochemical Exploration</i> , 2006, 88, 202-205.	1.5	64
66	Experimental approach of CO ₂ biomineralization in deep saline aquifers. <i>Chemical Geology</i> , 2009, 265, 54-62.	1.4	64
67	Organic matter mineralization and trace element post-depositional redistribution in Western Siberia thermokarst lake sediments. <i>Biogeosciences</i> , 2011, 8, 3341-3358.	1.3	64
68	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.	0.4	64
69	Experimental modeling of calcium carbonate precipitation by cyanobacterium <i>Gloeocapsa</i> sp.. <i>Chemical Geology</i> , 2014, 374-375, 44-60.	1.4	64
70	High riverine CO ₂ emissions at the permafrost boundary of Western Siberia. <i>Nature Geoscience</i> , 2018, 11, 825-829.	5.4	64
71	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.	1.4	63
72	Effect of organic and inorganic ligands on calcite and magnesite dissolution rates at 60°C and 30°C pCO ₂ . <i>Chemical Geology</i> , 2009, 265, 33-43.	1.4	62

#	ARTICLE	IF	CITATIONS
73	Silicon isotope variations in Central Siberian rivers during basalt weathering in permafrost-dominated larch forests. <i>Chemical Geology</i> , 2013, 355, 103-116.	1.4	61
74	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.	1.6	60
75	Impact of western Siberia heat wave 2012 on greenhouse gases and trace metal concentration in thaw lakes of discontinuous permafrost zone. <i>Biogeosciences</i> , 2013, 10, 5349-5365.	1.3	60
76	Western Siberia wetlands as indicator and regulator of climate change on the global scale. <i>International Journal of Environmental Studies</i> , 2009, 66, 409-421.	0.7	59
77	Fluxes of high- versus low-temperature water-rock interactions in aerial volcanic areas: Example from the Kamchatka Peninsula, Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 148-169.	1.6	59
78	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
79	Variability in grain cadmium concentration among durum wheat cultivars: impact of aboveground biomass partitioning. <i>Plant and Soil</i> , 2016, 404, 307-320.	1.8	57
80	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
81	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
82	Effect of organic ligands and heterotrophic bacteria on wollastonite dissolution kinetics. <i>Numerische Mathematik</i> , 2009, 309, 731-772.	0.7	53
83	Diurnal variations of dissolved and colloidal organic carbon and trace metals in a boreal lake during summer bloom. <i>Water Research</i> , 2013, 47, 922-932.	5.3	53
84	Magnesium isotopes in permafrost-dominated Central Siberian larch forest watersheds. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 147, 76-89.	1.6	53
85	Extreme biomimetics: Preservation of molecular detail in centimeter-scale samples of biological meshes laid down by sponges. <i>Science Advances</i> , 2019, 5, eaax2805.	4.7	53
86	Chemical weathering of silicate rocks in Aldan Shield and Baikal Uplift: insights from long-term seasonal measurements of solute fluxes in rivers. <i>Chemical Geology</i> , 2005, 214, 223-248.	1.4	52
87	An X-ray absorption fine structure and nuclear magnetic resonance spectroscopy study of gallium-silica complexes in aqueous solution. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4203-4222.	1.6	51
88	Cadmium and lead interaction with diatom surfaces: A combined thermodynamic and kinetic approach. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3698-3716.	1.6	50
89	Effect of the heterotrophic bacterium <i>Pseudomonas reactans</i> on olivine dissolution kinetics and implications for CO ₂ storage in basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 80, 30-50.	1.6	50
90	Carbon emission from Western Siberian inland waters. <i>Nature Communications</i> , 2021, 12, 825.	5.8	50

#	ARTICLE	IF	CITATIONS
91	Land surface albedo retrieval via kernel-based BRDF modeling: I. Statistical inversion method and model comparison. <i>Remote Sensing of Environment</i> , 2003, 84, 100-119.	4.6	49
92	Size Fractionation of Trace Elements in a Seasonally Stratified Boreal Lake: Control of Organic Matter and Iron Colloids. <i>Aquatic Geochemistry</i> , 2012, 18, 115-139.	1.5	48
93	Do photosynthetic bacteria have a protective mechanism against carbonate precipitation at their surfaces?. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1329-1337.	1.6	47
94	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
95	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.	1.8	46
96	Speciation of Zn Associated with Diatoms Using X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2005, 39, 4490-4498.	4.6	45
97	Speciation, Size Fractionation and Transport of Trace Elements in the Continuum Soil Waterâ€“Mireâ€“Humic Lakeâ€“Riverâ€“Large Oligotrophic Lake of a Subarctic Watershed. <i>Aquatic Geochemistry</i> , 2016, 22, 65-95.	1.5	45
98	Characterisation of Fe-bearing particles and colloids in the Lena River basin, NE Russia. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 553-573.	1.6	45
99	Do organic ligands affect calcite dissolution rates?. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1799-1813.	1.6	43
100	New operational method of testing colloid complexation with metals in natural waters. <i>Applied Geochemistry</i> , 2012, 27, 1226-1237.	1.4	43
101	Zeta potential of anoxygenic phototrophic bacteria and Ca adsorption at the cell surface: Possible implications for cell protection from CaCO ₃ precipitation in alkaline solutions. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 100-109.	5.0	42
102	West Siberian tundra peatlands: distribution, typology, cyclic development, present day climate-driven changes, seasonal hydrology and impact on CO ₂ cycle. <i>International Journal of Environmental Studies</i> , 2011, 68, 603-623.	0.7	42
103	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.	1.2	42
104	Heterotrophic bacterioâ€“plankton in thawed lakes of the northern part of Western Siberia controls the CO ₂ flux to the atmosphere. <i>International Journal of Environmental Studies</i> , 2009, 66, 433-445.	0.7	41
105	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.	1.6	41
106	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.	2.2	41
107	Organic and inorganic ligand effects on magnesite dissolution at 100Â°C and pH=5 to 10. <i>Chemical Geology</i> , 2007, 242, 484-496.	1.4	40
108	Unseeded precipitation of calcium and magnesium phosphates from modified seawater solutions. <i>Journal of Crystal Growth</i> , 1999, 205, 354-360.	0.7	39

#	ARTICLE	IF	CITATIONS
109	Kinetic evidences of the existence of positively charged species at the quartz-aqueous solution interface. <i>Journal of Colloid and Interface Science</i> , 2006, 296, 189-194.	5.0	39
110	Stable (Cu, Mg) and radiogenic (Sr, Nd) isotope fractionation in colloids of boreal organic-rich waters. <i>Chemical Geology</i> , 2013, 342, 63-75.	1.4	39
111	Iron isotope fractionation during Fe(II) and Fe(III) adsorption on cyanobacteria. <i>Chemical Geology</i> , 2015, 400, 24-33.	1.4	38
112	Humic surface waters of frozen peat bogs (permafrost zone) are highly resistant to bio- and photodegradation. <i>Biogeosciences</i> , 2019, 16, 2511-2526.	1.3	38
113	An experimental study of magnesite dissolution rates at neutral to alkaline conditions and 150 and 200°C as a function of pH, total dissolved carbonate concentration, and chemical affinity. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6344-6356.	1.6	37
114	Germanium isotope fractionation during Ge adsorption on goethite and its coprecipitation with Fe oxy(hydr)oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 131, 138-149.	1.6	37
115	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.	1.9	37
116	Iron isotope systematics in Arctic rivers. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 377-385.	0.4	36
117	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
118	On the elemental composition of suspended matter of the Severnaya Dvina River (White Sea region). <i>Doklady Earth Sciences</i> , 2010, 430, 228-234.	0.2	35
119	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.	1.7	35
120	Spider Chitin: An Ultrafast Microwave-Assisted Method for Chitin Isolation from <i>Caribena versicolor</i> Spider Molt Cuticle. <i>Molecules</i> , 2019, 24, 3736.	1.7	35
121	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.	1.4	35
122	Gallium(III) adsorption on carbonates and oxides: X-ray absorption fine structure spectroscopy study and surface complexation modeling. <i>Journal of Colloid and Interface Science</i> , 2004, 279, 314-325.	5.0	34
123	Mixed-layer illite-smectite reactivity in acidified solutions: Implications for clayey caprock stability in CO ₂ geological storage. <i>Applied Clay Science</i> , 2011, 53, 402-408.	2.6	34
124	Metal and proton adsorption capacities of natural and cloned <i>Sphagnum</i> mosses. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 326-334.	5.0	34
125	Chemical and structural status of copper associated with oxygenic and anoxygenic phototrophs and heterotrophs: possible evolutionary consequences. <i>Geobiology</i> , 2012, 10, 130-149.	1.1	33
126	Spider Chitin. The biomimetic potential and applications of <i>Caribena versicolor</i> tubular chitin. <i>Carbohydrate Polymers</i> , 2019, 226, 115301.	5.1	33

#	ARTICLE	IF	CITATIONS
127	One of the possible mechanisms of thermokarst lakes drainage in Westâ€ Siberian North. <i>International Journal of Environmental Studies</i> , 2008, 65, 631-635.	0.7	32
128	Diurnal variations of trace metals and heterotrophic bacterioplankton concentration in a small boreal lake of the White Sea basin. <i>Annales De Limnologie</i> , 2010, 46, 67-75.	0.6	32
129	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.	1.6	32
130	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.	1.3	32
131	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.	2.2	32
132	Land surface albedo retrieval via kernel-based BRDF modeling: II. An optimal design scheme for the angular sampling. <i>Remote Sensing of Environment</i> , 2003, 84, 120-142.	4.6	31
133	Recovery potential of periphytic biofilms translocated in artificial streams after industrial contamination (Cd and Zn). <i>Ecotoxicology</i> , 2012, 21, 1403-1414.	1.1	31
134	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.	4.2	31
135	Defining reactive sites on hydrated mineral surfaces: Rhombohedral carbonate minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4326-4345.	1.6	30
136	Does the presence of heterotrophic bacterium <i>Pseudomonas reactans</i> affect basaltic glass dissolution rates?. <i>Chemical Geology</i> , 2012, 296-297, 1-18.	1.4	30
137	Silver nanoparticles impact phototrophic biofilm communities to a considerably higher degree than ionic silver. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8412-8424.	2.7	30
138	Zn isotope fractionation in a pristine larch forest on permafrost-dominated soils in Central Siberia. <i>Geochemical Transactions</i> , 2015, 16, 3.	1.8	30
139	Homogeneous precipitation of magnesium phosphates from seawater solutions. <i>Journal of Crystal Growth</i> , 2001, 223, 550-556.	0.7	29
140	Thermodynamic modeling of actinide complexation with oxalate at high ionic strength. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001, 248, 467-471.	0.7	29
141	High precision measurement of germanium isotope ratio variations by multiple collector-inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 115-119.	1.6	29
142	Zn isotope fractionation during interaction with phototrophic biofilm. <i>Chemical Geology</i> , 2014, 390, 46-60.	1.4	29
143	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
144	Permafrost Boundary Shift in Western Siberia May Not Modify Dissolved Nutrient Concentrations in Rivers. <i>Water (Switzerland)</i> , 2017, 9, 985.	1.2	28

#	ARTICLE	IF	CITATIONS
145	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.	3.9	28
146	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.	1.6	28
147	Decrease of concentration and colloidal fraction of organic carbon and trace elements in response to the anomalously hot summer 2010 in a humic boreal lake. <i>Science of the Total Environment</i> , 2013, 463-464, 78-90.	3.9	27
148	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.	1.4	27
149	Discovery of a silicate rock-boring organism and macrobioerosion in fresh water. <i>Nature Communications</i> , 2018, 9, 2882.	5.8	27
150	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.	1.6	27
151	Thermodynamic Modeling of Actinide Complexation with Acetate and Lactate at High Ionic Strength. <i>Journal of Solution Chemistry</i> , 1999, 28, 521-531.	0.6	26
152	A Structural Study of Cadmium Interaction with Aquatic Microorganisms. <i>Environmental Science & Technology</i> , 2008, 42, 5527-5533.	4.6	26
153	Cadmium allocation to grains in durum wheat exposed to low Cd concentrations in hydroponics. <i>Ecotoxicology and Environmental Safety</i> , 2019, 184, 109592.	2.9	26
154	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
155	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
156	Neptunium(V) Complexation by Acetate, Oxalate and Citrate in NaClO ₄ Media at 25°C. <i>Radiochimica Acta</i> , 1997, 79, 167-172.	0.5	25
157	Interaction of Neptunyl(V) and Uranyl(VI) with EDTA in NaCl Media: Experimental Study and Pitzer Modeling. <i>Radiochimica Acta</i> , 1998, 80, 23-30.	0.5	25
158	Permafrost and fire as regulators of stream chemistry in basins of the Central Siberian Plateau. <i>Biogeochemistry</i> , 2013, 116, 55-68.	1.7	25
159	Enhanced particulate Hg export at the permafrost boundary, western Siberia. <i>Environmental Pollution</i> , 2019, 254, 113083.	3.7	25
160	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.	1.5	25
161	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.	3.9	25
162	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.	4.2	25

#	ARTICLE	IF	CITATIONS
163	Dispersed ground ice of permafrost peatlands: Potential unaccounted carbon, nutrient and metal sources. <i>Chemosphere</i> , 2021, 266, 128953.	4.2	25
164	Development of an operational procedure to estimate surface albedo from the SEVIRI/MSG observing system by using POLDER BRDF measurements. <i>Remote Sensing of Environment</i> , 2003, 87, 215-242.	4.6	24
165	Freeze-thaw cycles of Arctic thaw ponds remove colloidal metals and generate low-molecular-weight organic matter. <i>Biogeochemistry</i> , 2018, 137, 321-336.	1.7	24
166	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.	1.9	24
167	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.	3.9	23
168	Biogeochemistry of dissolved carbon, major, and trace elements during spring flood periods on the Ob River. <i>Hydrological Processes</i> , 2019, 33, 1579-1594.	1.1	23
169	Decrease in zinc adsorption onto soil in the presence of EPS-rich and EPS-poor <i>Pseudomonas aureofaciens</i> . <i>Journal of Colloid and Interface Science</i> , 2014, 435, 59-66.	5.0	22
170	Transformation of organo-ferric peat colloids by a heterotrophic bacterium. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 313-330.	1.6	22
171	Permafrost Regime Affects the Nutritional Status and Productivity of Larches in Central Siberia. <i>Forests</i> , 2018, 9, 314.	0.9	22
172	Insoluble Particles in the Snowpack of the Ob River Basin (Western Siberia) a 2800 km Submeridional Profile. <i>Atmosphere</i> , 2020, 11, 1184.	1.0	22
173	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.	1.2	22
174	Interaction of metals and protons with anoxygenic phototrophic bacteria <i>Rhodobacter blasticus</i> . <i>Chemical Geology</i> , 2013, 335, 75-86.	1.4	21
175	Microtopography Controls of Carbon and Related Elements Distribution in the West Siberian Frozen Bogs. <i>Geosciences (Switzerland)</i> , 2019, 9, 291.	1.0	21
176	Lake Drainage in Permafrost Regions Produces Variable Plant Communities of High Biomass and Productivity. <i>Plants</i> , 2020, 9, 867.	1.6	21
177	Biogeochemistry of macrophytes, sediments and porewaters in thermokarst lakes of permafrost peatlands, western Siberia. <i>Science of the Total Environment</i> , 2021, 763, 144201.	3.9	21
178	Storage and recycling of major and trace element in mangroves. <i>Science of the Total Environment</i> , 2021, 780, 146379.	3.9	21
179	6. The Link Between Mineral Dissolution/Precipitation Kinetics and Solution Chemistry. , 2009, , 207-258.		20
180	Experimental study of cadmium interaction with periphytic biofilms. <i>Applied Geochemistry</i> , 2010, 25, 418-427.	1.4	20

#	ARTICLE	IF	CITATIONS
181	Interactions between cadmium and lead with acidic soils: Experimental evidence of similar adsorption patterns for a wide range of metal concentrations and the implications of metal migration. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 358-366.	6.5	20
182	Chemical and structural characterization of copper adsorbed on mosses (Bryophyta). <i>Journal of Hazardous Materials</i> , 2016, 308, 343-354.	6.5	20
183	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.	4.6	20
184	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
185	Low biodegradability of dissolved organic matter and trace metals from subarctic waters. <i>Science of the Total Environment</i> , 2018, 618, 174-187.	3.9	19
186	Fluvial carbon dioxide emission from the Lena River basin during the spring flood. <i>Biogeosciences</i> , 2021, 18, 4919-4936.	1.3	19
187	Development of an operational procedure to estimate surface albedo from the SEVIRI/MSG observing system by using POLDER BRDF measurements. <i>Remote Sensing of Environment</i> , 2003, 87, 198-214.	4.6	18
188	Moss and Peat Leachate Degradability by Heterotrophic Bacteria: The Fate of Organic Carbon and Trace Metals. <i>Geomicrobiology Journal</i> , 2017, 34, 641-655.	1.0	18
189	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.	3.9	18
190	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.	1.8	18
191	Great Vasyugan Mire: How the world's largest peatland helps addressing the world's largest problems. <i>Ambio</i> , 2021, 50, 2038-2049.	2.8	18
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.	1.3	17
193	Contribution of forest fire ash and plant litter decay on stream dissolved composition in a sub-humid tropical watershed (Mule Hole, Southern India). <i>Chemical Geology</i> , 2014, 372, 144-161.	1.4	16
194	Aerobic release and biodegradation of dissolved organic matter from frozen peat: Effects of temperature and heterotrophic bacteria. <i>Chemical Geology</i> , 2020, 536, 119448.	1.4	16
195	Carbon emission from thermokarst lakes in NE European tundra. <i>Limnology and Oceanography</i> , 2021, 66, S216.	1.6	16
196	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
197	Weak impact of microorganisms on Ca, Mg-bearing silicate weathering. <i>Npj Materials Degradation</i> , 2021, 5, .	2.6	16
198	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.	1.5	15

#	ARTICLE	IF	CITATIONS
199	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.	2.7	15
200	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.	0.6	15
201	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.	4.2	15
202	Iron Isotope Fractionation during Bio- and Photodegradation of Organoferric Colloids in Boreal Humic Waters. <i>Environmental Science & Technology</i> , 2019, 53, 11183-11194.	4.6	15
203	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.	2.7	15
204	Dissolved organic matter biodegradation along a hydrological continuum in permafrost peatlands. <i>Science of the Total Environment</i> , 2020, 749, 141463.	3.9	15
205	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.	3.7	15
206	Impact of freeze-thaw cycles on organic carbon and metals in waters of permafrost peatlands. <i>Chemosphere</i> , 2021, 279, 130510.	4.2	15
207	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.	1.1	14
208	The Ruiga intrusion: A typical example of a shallow-facies paleoproterozoic peridotite-gabbro-komatiite-basaltic association of the Vetreny Belt, Southeastern Fennoscandia. <i>Petrology</i> , 2008, 16, 531-551.	0.2	13
209	Surface complexation of the phototrophic anoxygenic non-sulfur bacterium <i>Rhodopseudomonas palustris</i> . <i>Chemical Geology</i> , 2014, 383, 51-62.	1.4	13
210	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.	1.6	13
211	Probing the aluminum complexation by Siberian riverine organic matter using solid-state DNP-NMR. <i>Chemical Geology</i> , 2017, 452, 1-8.	1.4	11
212	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.	1.5	11
213	Surface Speciation of Ca and Mg Carbonate Minerals in Aqueous Solutions: A Combined Potentiometric, Electrokinetic, and DRIFT Surface Spectroscopy Approach. <i>Mineralogical Magazine</i> , 1998, 62A, 1196-1197.	0.6	11
214	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
215	Sizable carbon emission from the floodplain of Ob River. <i>Ecological Indicators</i> , 2021, 131, 108164.	2.6	10
216	A surface complexation model for cadmium and lead adsorption onto diatom surface. <i>Journal of Geochemical Exploration</i> , 2006, 88, 110-113.	1.5	9

#	ARTICLE	IF	CITATIONS
217	Bioadsorption of Heavy Metals. , 2017, , 233-255.		9
218	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.	1.4	9
219	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
220	Experimental physicochemical modeling of interactions between phototrophic microorganisms (anoxiphotobacteria and cyanobacteria) with trace elements in aqueous solutions. <i>Geochemistry International</i> , 2007, 45, 302-307.	0.2	7
221	Geochemistry of terricolous lichens in the White Sea catchment area. <i>Doklady Earth Sciences</i> , 2013, 450, 514-520.	0.2	7
222	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.	0.2	7
223	Copper isotope fractionation during excretion from a phototrophic biofilm. <i>Chemical Geology</i> , 2019, 513, 88-100.	1.4	7
224	New Data on the Concentrations of Dissolved Trace Elements in Waters of Russian Arctic Rivers. <i>Doklady Earth Sciences</i> , 2020, 491, 257-263.	0.2	7
225	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.	1.2	7
226	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.	1.2	7
227	Carbon storage and burial in thermokarst lakes of permafrost peatlands. <i>Biogeochemistry</i> , 2022, 159, 69-86.	1.7	7
228	Basalt weathering and trace elements migration in the boreal Arctic zone. <i>Journal of Geochemical Exploration</i> , 2006, 88, 304-307.	1.5	6
229	Acid-Base Behavior of the Gaspeite (NiCO ₃ (s)) Surface in NaCl Solutions. <i>Langmuir</i> , 2010, 26, 12626-12639.	1.6	6
230	Sphalerite dissolution kinetics at low hydrothermal conditions. <i>Chemical Geology</i> , 2011, 286, 272-272.	1.4	6
231	Transformation of the dissolved components runoff in the mouth areas of small watersheds of the southern coast of the Kola Peninsula. <i>Oceanology</i> , 2011, 51, 785-795.	0.3	6
232	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.	1.4	6
233	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.	1.4	6
234	Sources of Dissolved Organic Carbon in Rivers of the Yenisei River Basin. <i>Doklady Earth Sciences</i> , 2018, 480, 763-766.	0.2	6

#	ARTICLE	IF	CITATIONS
235	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.	1.4	6
236	The temporal evolution of the carbon isotope composition of calcite in the presence of cyanobacteria. <i>Chemical Geology</i> , 2021, 584, 120556.	1.4	6
237	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.	1.2	6
238	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.	0.3	6
239	First data on the composition of atmospheric dust responsible for yellow snow in Northern European Russia in March 2008. <i>Doklady Earth Sciences</i> , 2010, 431, 497-501.	0.2	5
240	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.	1.2	5
241	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.	0.2	5
242	Metal contaminations impact archaeal community composition, abundance and function in remote alpine lakes. <i>Environmental Microbiology</i> , 2018, 20, 2422-2437.	1.8	5
243	The Geochemical Features of the River Discharge to the White Sea. <i>Handbook of Environmental Chemistry</i> , 2018, , 47-81.	0.2	5
244	Enhancement of cyanobacterial growth by riverine particulate material. <i>Chemical Geology</i> , 2019, 525, 143-167.	1.4	5
245	Symbiotic cooperation between freshwater rock-boring bivalves and microorganisms promotes silicate bioerosion. <i>Scientific Reports</i> , 2020, 10, 13385.	1.6	5
246	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.	1.2	5
247	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.	3.9	5
248	Export of dissolved carbon from watersheds of the Central Siberian Plateau. <i>Doklady Earth Sciences</i> , 2011, 441, 1568-1571.	0.2	4
249	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.	1.8	4
250	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.	0.7	4
251	Interaction of Freshwater Diatom with Gold Nanoparticles: Adsorption, Assimilation, and Stabilization by Cell Exometabolites. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 99.	0.8	4
252	Diel cycles of carbon, nutrient and metal in humic lakes of permafrost peatlands. <i>Science of the Total Environment</i> , 2020, 737, 139671.	3.9	4

#	ARTICLE	IF	CITATIONS
253	Carbon sequestration potential of Mg carbonate and silicate biomineralization in the presence of cyanobacterium <i>Synechococcus</i> . <i>Chemical Geology</i> , 2022, 599, 120854.	1.4	4
254	Dispersed Sedimentary Matter of the Atmosphere. <i>Handbook of Environmental Chemistry</i> , 2018, , 9-46.	0.2	3
255	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.	0.2	3
256	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.	0.2	3
257	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.	0.8	3
258	Influence of secondary metabolites on surface chemistry and metal adsorption of a devitalized lichen biomonitor. <i>Environmental Pollution</i> , 2021, 273, 116500.	3.7	3
259	Bioerosion of siliceous rocks driven by rock-boring freshwater insects. <i>Npj Materials Degradation</i> , 2022, 6, .	2.6	3
260	Migration of dissolved matter at Serebryanka R. Mouth, the basin of the Sea of Japan (Sikhote Alin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	2
261	The Mixing Zone Between Waters of the Severnaya Dvina River and the White Sea. <i>Handbook of Environmental Chemistry</i> , 2018, , 83-113.	0.2	2
262	Spatial and Temporal Variability of the Transformation of Dissolved Matter Runoff in the Mezen River Estuary. <i>Oceanology</i> , 2019, 59, 199-207.	0.3	2
263	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.	0.2	2
264	Phase Fractionation of Chemical Elements During the Formation of Ice in Fresh Surface Waters. <i>Doklady Earth Sciences</i> , 2020, 492, 327-332.	0.2	2
265	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.	1.3	2
266	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.	1.0	2
267	Distribution of Dissolved Nitrogen Compounds in the Water Column of a Meromictic Subarctic Lake. <i>Nitrogen</i> , 2021, 2, 428-443.	0.6	2
268	Hydrochemistry of Medium-Size Pristine Rivers in Boreal and Subarctic Zone: Disentangling Effect of Landscape Parameters across a Permafrost, Climate, and Vegetation Gradient. <i>Water (Switzerland)</i> , 2022, 14, 2250.	1.2	2
269	Reply to Comment by R. A. Berner on "Effect of organic ligands and heterotrophic bacteria on Wollastonite dissolution kinetics", <i>American Journal of Science</i> , v. 309, p. 731-772. <i>Numerische Mathematik</i> , 2010, 310, 425-426.	0.7	1
270	Experimental Modeling of Bacterially-Induced Ca Carbonate Precipitation: New Insights on Possible Mechanisms. <i>Key Engineering Materials</i> , 0, 672, 21-39.	0.4	1

#	ARTICLE	IF	CITATIONS
271	Measuring and Estimating Fluxes of Carbon, Major and Trace Elements to the Arctic Ocean. Springer Water, 2016, , 185-212.	0.2	1
272	Changes in the palsa landscapesâ€™ components in the West Siberian northern taiga 10 years after wildfires. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012021.	0.2	1
273	Elemental and Isotopic Variations of Copper and Zinc Associated with the Diel Activity of Phototrophic Biofilm. Environmental Science & Technology, 2020, 54, 6741-6750.	4.6	1
274	The supply of trace elements from the atmosphere recorded in a natural archive by the example of the llas ombrotrophic bog in the White Sea drainage basin. Doklady Earth Sciences, 2015, 465, 1272-1277.	0.2	0
275	Macro- and Microelement Water Composition of the Volga River Delta and Its Interannual Variability. Arid Ecosystems, 2016, 6, 8-17.	0.2	0
276	Investigation of the earth roof through the combined method: mechanical way and ground penetrating radar in the Yamalo-Nenets Autonomous Okrug. IOP Conference Series: Earth and Environmental Science, 2019, 232, 012015.	0.2	0
277	Organic matter of floodplain lakes in the middle courses of the Ob River during the winter low-water season and the spring flood. IOP Conference Series: Earth and Environmental Science, 2019, 400, 012007.	0.2	0
278	Kinetics and mechanisms of cyanobacterially induced precipitation of magnesium silicate. Geobiology, 2022, 20, 560-574.	1.1	0
279	Transformation of the Major and Trace Element Composition of Dissolved Matter Runoff in the Mouths of Medium and Small Rivers of Russiaâ€™s Black Sea Coast. Oceanology, 2022, 62, 324-345.	0.3	0