

# W Berry Lyons

## List of Publications by Citations

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189  
papers

6,244  
citations

45  
h-index

72  
g-index

193  
ext. papers

7,030  
ext. citations

4.8  
avg, IF

5.37  
L-index

#	Paper	IF	Citations
189	Antarctic climate cooling and terrestrial ecosystem response. <i>Nature</i> , <b>2002</b> , 415, 517-20	50.4	349
188	Valley floor climate observations from the McMurdo dry valleys, Antarctica, 1986-2000. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 13-1		328
187	Geomicrobiology of subglacial ice above Lake Vostok, Antarctica. <i>Science</i> , <b>1999</b> , 286, 2141-4	33.3	313
186	The spatial structure of Antarctic biodiversity. <i>Ecological Monographs</i> , <b>2014</b> , 84, 203-244	9	203
185	Organic carbon fluxes to the ocean from high-standing islands. <i>Geology</i> , <b>2002</b> , 30, 443	5	147
184	Limnological conditions in Subglacial Lake Vostok, Antarctica. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 2485-2501	4.8	142
183	Rare earth element complexation behavior in circumneutral pH groundwaters: Assessing the role of carbonate and phosphate ions. <i>Earth and Planetary Science Letters</i> , <b>1996</b> , 139, 305-319	5.3	139
182	Biogeochemical weathering under ice: Size matters. <i>Global Biogeochemical Cycles</i> , <b>2010</b> , 24, n/a-n/a	5.9	134
181	Paleolimnology of the McMurdo Dry Valleys, Antarctica. <i>Journal of Paleolimnology</i> , <b>1994</b> , 10, 85-114	2.1	122
180	Weathering reactions and hyporheic exchange controls on stream water chemistry in a glacial meltwater stream in the McMurdo Dry Valleys. <i>Water Resources Research</i> , <b>2002</b> , 38, 15-1-15-17	5.4	120
179	The rare earth element geochemistry of Mono Lake water and the importance of carbonate complexing. <i>Limnology and Oceanography</i> , <b>1994</b> , 39, 1141-1154	4.8	119
178	Physical Controls on the Taylor Valley Ecosystem, Antarctica. <i>BioScience</i> , <b>1999</b> , 49, 961-971	5.7	118
177	Physical Controls on the Taylor Valley Ecosystem, Antarctica. <i>BioScience</i> , <b>1999</b> , 49, 961	5.7	117
176	Carbon Transformations in a Perennially Ice-Covered Antarctic Lake. <i>BioScience</i> , <b>1999</b> , 49, 997-1008	5.7	106
175	Extreme hydrochemical conditions in natural microcosms entombed within Antarctic ice. <i>Hydrological Processes</i> , <b>2004</b> , 18, 379-387	3.3	101
174	Extreme storm events, landscape denudation, and carbon sequestration: Typhoon Mindulle, Choshui River, Taiwan. <i>Geology</i> , <b>2008</b> , 36, 483	5	96
173	Geomicrobiology of Blood Falls: An Iron-Rich Saline Discharge at the Terminus of the Taylor Glacier, Antarctica. <i>Aquatic Geochemistry</i> , <b>2004</b> , 10, 199-220	1.7	79

172	Biogeochemical stoichiometry of Antarctic Dry Valley ecosystems. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		78
171	Spatial variations in the geochemistry of glacial meltwater streams in the Taylor Valley, Antarctica. <i>Antarctic Science</i> , <b>2010</b> , 22, 662-672	1.7	77
170	Snow-Patch Influence on Soil Biogeochemical Processes and Invertebrate Distribution in the McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2003</b> , 35, 91-99	1.8	77
169	Stream geochemistry, chemical weathering and CO <sub>2</sub> consumption potential of andesitic terrains, Dominica, Lesser Antilles. <i>Geochimica Et Cosmochimica Acta</i> , <b>2010</b> , 74, 85-103	5.5	72
168	Ecological Legacies: Impacts on Ecosystems of the McMurdo Dry Valleys. <i>BioScience</i> , <b>1999</b> , 49, 1009-1019	3.7	70
167	Chemical weathering in streams of a polar desert (Taylor Valley, Antarctica). <i>Bulletin of the Geological Society of America</i> , <b>2001</b> , 113, 1401-1408	3.9	69
166	Surface glaciochemistry of Taylor Valley, southern Victoria Land, Antarctica and its relationship to stream chemistry. <i>Hydrological Processes</i> , <b>2003</b> , 17, 115-130	3.3	68
165	Groundwater seeps in Taylor Valley Antarctica: an example of a subsurface melt event. <i>Annals of Glaciology</i> , <b>2005</b> , 40, 200-206	2.5	68
164	The solubility control of rare earth elements in natural terrestrial waters and the significance of PO <sub>4</sub> <sup>3-</sup> and CO <sub>2</sub> in limiting dissolved rare earth concentrations: A review of recent information. <i>Aquatic Geochemistry</i> , <b>1995</b> , 1, 157-173	1.7	67
163	The hydrochemistry of Lake Vostok and the potential for life in Antarctic subglacial lakes. <i>Hydrological Processes</i> , <b>2003</b> , 17, 795-814	3.3	61
162	Calcification of cyanobacterial mats in Solar Lake, Sinai. <i>Geology</i> , <b>1984</b> , 12, 623	5	60
161	The aeolian flux of calcium, chloride and nitrate to the McMurdo Dry Valleys landscape: evidence from snow pit analysis. <i>Antarctic Science</i> , <b>2006</b> , 18, 497-505	1.7	59
160	Halogen geochemistry of the McMurdo dry valleys lakes, Antarctica: Clues to the origin of solutes and lake evolution. <i>Geochimica Et Cosmochimica Acta</i> , <b>2005</b> , 69, 305-323	5.5	58
159	Strontium isotopes and rare earth elements as tracers of groundwater-lake water interactions, Lake Naivasha, Kenya. <i>Applied Geochemistry</i> , <b>2003</b> , 18, 1789-1805	3.5	58
158	Biogeochemical evolution of cryoconite holes on Canada Glacier, Taylor Valley, Antarctica. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		56
157	Effect of watershed parameters on mercury distribution in different environmental compartments in the Mobile Alabama River Basin, USA. <i>Science of the Total Environment</i> , <b>2005</b> , 347, 187-207	10.2	55
156	A Stable Isotopic Investigation of a Polar Desert Hydrologic System, McMurdo Dry Valleys, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2006</b> , 38, 60-71	1.8	54
155	Rare earth element concentrations and speciation in alkaline lakes from the western U.S.A.. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 773-776	4.9	54

154	The Saline Lakes of the McMurdo Dry Valleys, Antarctica. <i>Aquatic Geochemistry</i> , <b>2009</b> , 15, 321-348	1.7	52
153	The Geochemistry of Supraglacial Streams of Canada Glacier, Taylor Valley (Antarctica), and their Evolution into Proglacial Waters. <i>Aquatic Geochemistry</i> , <b>2005</b> , 11, 391-412	1.7	52
152	Organic carbon yields from small, mountainous rivers, New Zealand. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	49
151	The Helium Isotopic Chemistry of Lake Bonney, Taylor Valley, Antarctica: Timing of Late Holocene Climate Change in Antarctica. <i>Aquatic Geochemistry</i> , <b>2004</b> , 10, 353-371	1.7	49
150	Developing the scientific framework for urban geochemistry. <i>Applied Geochemistry</i> , <b>2016</b> , 67, 1-20	3.5	48
149	Chemical weathering in high-sediment-yielding watersheds, New Zealand. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		48
148	Decadal ecosystem response to an anomalous melt season in a polar desert in Antarctica. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 1334-1338	12.3	46
147	Oxyanion Concentrations in Eastern Sierra Nevada Rivers B. Boron, Molybdenum, Vanadium, and Tungsten. <i>Aquatic Geochemistry</i> , <b>2000</b> , 6, 19-46	1.7	46
146	Ecological Legacies: Impacts on Ecosystems of the McMurdo Dry Valleys. <i>BioScience</i> , <b>1999</b> , 49, 1009	5.7	46
145	The distribution of microplankton in the McMurdo Dry Valley Lakes, Antarctica: response to ecosystem legacy or present-day climatic controls?. <i>Polar Biology</i> , <b>2004</b> , 27, 238-249	2	45
144	Controlling processes in a CaCO <sub>3</sub> precipitating stream in Huanglong Natural Scenic District, Sichuan, China. <i>Journal of Hydrology</i> , <b>2000</b> , 230, 34-54	6	44
143	Do Cryoconite Holes have the Potential to be Significant Sources of C, N, and P to Downstream Depauperate Ecosystems of Taylor Valley, Antarctica?. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2013</b> , 45, 440-454	1.8	43
142	Microbial activity and bioturbation-induced oscillations in pore water chemistry of estuarine sediments in spring. <i>Nature</i> , <b>1982</b> , 299, 433-435	50.4	42
141	Evaluating the influence of road salt on water quality of Ohio rivers over time. <i>Applied Geochemistry</i> , <b>2014</b> , 47, 25-35	3.5	41
140	Hydrological Connectivity of the Landscape of the McMurdo Dry Valleys, Antarctica. <i>Geography Compass</i> , <b>2011</b> , 5, 666-681	2.4	41
139	Mercury deposition in a polar desert ecosystem. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4710-4716	6.3	41
138	Geochemical fluxes and weathering of volcanic terrains on high standing islands: Taranaki and Manawatu-Wanganui regions of New Zealand. <i>Geochimica Et Cosmochimica Acta</i> , <b>2008</b> , 72, 2248-2267	5.5	40
137	Ground water/surface water interactions in Lake Naivasha, Kenya, using delta 18O, delta D, and 3H/3He age-dating. <i>Ground Water</i> , <b>2001</b> , 39, 526-33	2.4	38

136	History of McMurdo Dry Valley lakes, Antarctica, from stable chlorine isotope data. <i>Geology</i> , <b>1999</b> , 27, 527	5	36
135	Mercury geochemistry of the Scioto River, Ohio: Impact of agriculture and urbanization. <i>Applied Geochemistry</i> , <b>2006</b> , 21, 1880-1888	3.5	35
134	Hypersaline wet patches in Taylor Valley, Antarctica. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	33
133	Enhanced supply of fossil organic carbon to the Okinawa Trough since the last deglaciation. <i>Paleoceanography</i> , <b>2008</b> , 23, n/a-n/a		32
132	A chemical model for the evolution of Australian sodium chloride lake brines. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1991</b> , 84, 43-53	2.9	31
131	Measurement of organic carbon in polar snow samples. <i>Nature</i> , <b>1986</b> , 320, 156-158	50.4	29
130	Mercury contamination in the Carson River, Nevada: A preliminary study of the impact of mining wastes. <i>Water, Air, and Soil Pollution</i> , <b>1996</b> , 92, 391-408	2.6	28
129	Perchlorate and chlorate biogeochemistry in ice-covered lakes of the McMurdo Dry Valleys, Antarctica. <i>Geochimica Et Cosmochimica Acta</i> , <b>2012</b> , 98, 19-30	5.5	27
128	The geochemistry of upland ponds, Taylor Valley, Antarctica. <i>Antarctic Science</i> , <b>2012</b> , 24, 3-14	1.7	27
127	Geochemistry of four tropical montane watersheds, Central Panama. <i>Applied Geochemistry</i> , <b>2009</b> , 24, 624-640	3.5	27
126	An englacial hydrologic system of brine within a cold glacier: Blood Falls, McMurdo Dry Valleys, Antarctica. <i>Journal of Glaciology</i> , <b>2017</b> , 63, 387-400	3.4	26
125	Mercury pathways in the Carson River-Hohntan reservoir system, Nevada, USA. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 677-683	3.8	26
124	Stable C and N isotope ratios reveal soil food web structure and identify the nematode <i>Eudorylaimus antarcticus</i> as an omnivore-predator in Taylor Valley, Antarctica. <i>Polar Biology</i> , <b>2018</b> , 41, 1013-1018	2	25
123	Lithium in waters of a polar desert. <i>Geochimica Et Cosmochimica Acta</i> , <b>1997</b> , 61, 4309-4319	5.5	25
122	Trace metal fluxes to the ocean: The importance of high-standing oceanic islands. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 14-1-14-4	4.9	25
121	. <i>Environmental Toxicology and Chemistry</i> , <b>1996</b> , 15, 677	3.8	25
120	Patterns of hydrologic connectivity in the McMurdo Dry Valleys, Antarctica: a synthesis of 20 years of hydrologic data. <i>Hydrological Processes</i> , <b>2016</b> , 30, 2958-2975	3.3	24
119	Lithium isotopic composition of the McMurdo Dry Valleys aquatic systems. <i>Chemical Geology</i> , <b>2010</b> , 275, 139-147	4.2	24

118	Strontium Isotopic Signatures of the Streams and Lakes of Taylor Valley, Southern Victoria Land, Antarctica: Chemical Weathering in a Polar Climate. <i>Aquatic Geochemistry</i> , <b>2002</b> , 8, 75-95	1.7	23
117	Mercury in aquatic systems in Antarctica. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 2235-2238	4.9	22
116	Eolian deposition of trace elements onto Taylor Valley Antarctic glaciers. <i>Applied Geochemistry</i> , <b>2011</b> , 26, 1897-1904	3.5	20
115	Inhibition of mercury methylation in anoxic freshwater sediment by group VI anions. <i>Environmental Toxicology and Chemistry</i> , <b>1997</b> , 16, 1568-1574	3.8	20
114	The Hg geochemistry of a geothermal stream, Steamboat Creek, Nevada: natural vs. anthropogenic influences. <i>Environmental Geology</i> , <b>1998</b> , 34, 143-150		20
113	Hydrologic tracers and thresholds: A comparison of geochemical techniques for event-based stream hydrograph separation and flowpath interpretation across multiple land covers in the Panama Canal Watershed. <i>Applied Geochemistry</i> , <b>2015</b> , 63, 507-518	3.5	19
112	Comparison of arsenic and molybdenum geochemistry in meromictic lakes of the McMurdo Dry Valleys, Antarctica: Implications for oxyanion-forming trace element behavior in permanently stratified lakes. <i>Chemical Geology</i> , <b>2015</b> , 404, 110-125	4.2	19
111	Supersaturated N <sub>2</sub> O in a perennially ice-covered Antarctic lake: Molecular and stable isotopic evidence for a biogeochemical relict. <i>Limnology and Oceanography</i> , <b>2008</b> , 53, 2439-2450	4.8	19
110	Antarctic subglacial lake exploration: first results and future plans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	18
109	Influence of hydrogeology, microbiology and landscape history on the geochemistry of acid hypersaline waters, N.W. Victoria. <i>Applied Geochemistry</i> , <b>2009</b> , 24, 285-296	3.5	18
108	Significance of Landscape Age, Uplift, and Weathering Rates to Ecosystem Development. <i>Aquatic Geochemistry</i> , <b>2005</b> , 11, 215-239	1.7	18
107	The Geochemistry of Englacial Brine From Taylor Glacier, Antarctica. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2019</b> , 124, 633-648	3.7	18
106	The geochemical evolution of terrestrial waters in the Antarctic: The role of rock-water interactions. <i>Antarctic Research Series</i> , <b>1993</b> , 135-143		17
105	THE GROUND WATER FLUX OF NITROGEN AND PHOSPHORUS TO BERMUDA'S COASTAL WATERS <sup>1</sup> . <i>Journal of the American Water Resources Association</i> , <b>1994</b> , 30, 983-991	2.1	17
104	A co-precipitation technique for determining trace metal concentrations in iron-rich saline solutions. <i>Environmental Technology (United Kingdom)</i> , <b>1990</b> , 11, 141-144	2.6	17
103	Genetic diversity of soil invertebrates corroborates timing estimates for past collapses of the West Antarctic Ice Sheet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22293-22302	11.5	17
102	Near-Surface Refractory Black Carbon Observations in the Atmosphere and Snow in the McMurdo Dry Valleys, Antarctica, and Potential Impacts of Foehn Winds. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 2877-2887	4.4	16
101	Patterns and Processes of Salt Efflorescences in the McMurdo region, Antarctica. <i>Arctic, Antarctic, and Alpine Research</i> , <b>2015</b> , 47, 407-425	1.8	16

100	Factors promoting microbial diversity in the McMurdo Dry Valleys, Antarctica	221-257		16
99	Hydrologic controls on water chemistry and mercury biotransformation in a closed river system: The Carson River, Nevada. <i>Applied Geochemistry</i> , <b>2006</b> , 21, 1999-2009		3.5	16
98	The McMurdo Dry Valleys Long-Term Ecological Research Program: New understanding of the biogeochemistry of the Dry Valley Lakes: A review 1 This work was supported by the following NSF grants: OPP-9211773 and OPP-9813061. We thank our colleagues Andrew Fountain, Ross Virginia, and Diana Wall for discussion, insight, and collaboration. Numerous individuals over the past nine years have helped in data collection, analysis, and manipulation; we thank them all, but especially Rob Edwards and Craig Wolf. We are.		2.2	16
97	Geochemistry of surface waters of Vojvodina, Yugoslavia. <i>Journal of Hydrology</i> , <b>1992</b> , 137, 33-55		6	16
96	Biogeochemical weathering of soil apatite grains in the McMurdo Dry Valleys, Antarctica. <i>Geoderma</i> , <b>2018</b> , 320, 136-145		6.7	15
95	Water track modification of soil ecosystems in the Lake Hoare basin, Taylor Valley, Antarctica. <i>Antarctic Science</i> , <b>2014</b> , 26, 153-162		1.7	15
94	Molybdenum, vanadium, and uranium weathering in small mountainous rivers and rivers draining high-standing islands. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 219, 22-43		5.5	15
93	Garwood Valley, Antarctica: A new record of Last Glacial Maximum to Holocene glaciofluvial processes in the McMurdo Dry Valleys. <i>Bulletin of the Geological Society of America</i> , <b>2013</b> , 125, 1484-1502		3.9	15
92	The fate of minor alkali elements in the chemical evolution of salt lakes. <i>Saline Systems</i> , <b>2011</b> , 7, 2			15
91	Organic carbon in Antarctic snow. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,		4.9	15
90	Fossil Fuel Burning in Taylor Valley, Southern Victoria Land, Antarctica: Estimating the Role of Scientific Activities on Carbon and Nitrogen Reservoirs and Fluxes. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1659-1662		10.3	15
89	Glaciochemical Studies and Estimated Net Mass Balances for Rennick Glacier Area, Antarctica. <i>Annals of Glaciology</i> , <b>1985</b> , 7, 1-6		2.5	15
88	Antarctic streams as a potential source of iron for the Southern Ocean: Figure 1.. <i>Geology</i> , <b>2015</b> , 43, 1003-1006		3	14
87	Radiocarbon distribution and the effect of legacy in lakes of the McMurdo Dry Valleys, Antarctica. <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 811-826		4.8	14
86	Geochemistry of streams from Byers Peninsula, Livingston Island. <i>Antarctic Science</i> , <b>2013</b> , 25, 181-190		1.7	14
85	The Soil Geochemistry in the Beardmore Glacier Region, Antarctica: Implications for Terrestrial Ecosystem History. <i>Scientific Reports</i> , <b>2016</b> , 6, 26189		4.9	14
84	Transit Times and Rapid Chemical Equilibrium Explain Chemostasis in Glacial Meltwater Streams in the McMurdo Dry Valleys, Antarctica. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 13,322		4.9	14
83	Diel stream geochemistry, Taylor Valley, Antarctica. <i>Hydrological Processes</i> , <b>2013</b> , 27, 394-404		3.3	13

82	Organic carbon concentrations and transport in small mountain rivers, Panama. <i>Applied Geochemistry</i> , <b>2015</b> , 63, 540-549	3.5	13
81	CO2 concentrations in perennially ice-covered lakes of Taylor Valley, Antarctica. <i>Biogeochemistry</i> , <b>2001</b> , 56, 27-50	3.8	13
80	Evidence of deep circulation in two perennially ice-covered Antarctic lakes. <i>Limnology and Oceanography</i> , <b>1998</b> , 43, 625-635	4.8	13
79	Land cover effects on soil infiltration capacity measured using plot scale rainfall simulation in steep tropical lowlands of Central Panama. <i>Hydrological Processes</i> , <b>2020</b> , 34, 878-897	3.3	13
78	Trace element and major ion concentrations and dynamics in glacier snow and melt: Eliot Glacier, Oregon Cascades. <i>Hydrological Processes</i> , <b>2009</b> , 23, 2987-2996	3.3	12
77	Mercury concentrations in waters of Lake Naivasha Watershed, Kenya. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 1581-1584	4.9	12
76	Enhanced trace element mobilization by Earth's ice sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 31648-31659	11.5	12
75	Scientific access into Mercer Subglacial Lake: scientific objectives, drilling operations and initial observations. <i>Annals of Glaciology</i> , 1-13	2.5	12
74	Linking silicate weathering to riverine geochemistry: A case study from a mountainous tropical setting in west-central Panama. <i>Bulletin of the Geological Society of America</i> , <b>2016</b> , 128, 1780-1812	3.9	11
73	Geochemical Linkages Among Glaciers, Streams and Lakes Within the Taylor Valley, Antarctica. <i>Antarctic Research Series</i> , <b>2013</b> , 77-92		11
72	Historical backcasting of metal concentrations in the Chattahoochee River, Georgia: Population growth and environmental policy. <i>Applied Geochemistry</i> , <b>2005</b> , 20, 2315-2324	3.5	11
71	The chemical composition of runoff from Canada Glacier, Antarctica: implications for glacier hydrology during a cool summer. <i>Annals of Glaciology</i> , <b>2005</b> , 40, 15-19	2.5	11
70	Oxyanion concentrations in eastern Sierra Nevada rivers <sup>1</sup> . Selenium. <i>Applied Geochemistry</i> , <b>1995</b> , 10, 553-564	3.5	11
69	Aeolian Material Transport and Its Role in Landscape Connectivity in the McMurdo Dry Valleys, Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2018</b> , 123, 3323-3337	3.8	11
68	Impact of land use and physicochemical settings on aqueous methylmercury levels in the Mobile-Alabama River System. <i>Ambio</i> , <b>2004</b> , 33, 328-33	6.5	10
67	Boron isotopic geochemistry of the McMurdo Dry Valley lakes, Antarctica. <i>Chemical Geology</i> , <b>2014</b> , 386, 152-164	4.2	9
66	Evidence for the Activation of Shallow Preferential Flow Paths in a Tropical Panama Watershed Using Germanium and Silicon. <i>Water Resources Research</i> , <b>2017</b> , 53, 8533-8553	5.4	8
65	Evaluation of controls on silicate weathering in tropical mountainous rivers: Insights from the Isthmus of Panama. <i>Geology</i> , <b>2015</b> , 43, 563-566	5	8



64	Microbial diversity of an Antarctic subglacial community and high-resolution replicate sampling inform hydrological connectivity in a polar desert. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 2290-2306	5.2	7
63	Uranium in Ohio, USA Surface Waters: Implications for a Fertilizer Source in Waters Draining Agricultural lands. <i>Scientific Reports</i> , <b>2020</b> , 10, 5151	4.9	7
62	Strontium Isotopic Signatures of Streams from Taylor Valley, Antarctica, Revisited: The Role of Carbonate Mineral Dissolution. <i>Aquatic Geochemistry</i> , <b>2013</b> , 19, 231-240	1.7	7
61	A temporal stable isotopic ( $\delta^{18}O$ , $D$ , $d$ -excess) comparison in glacier meltwater streams, Taylor Valley, Antarctica. <i>Hydrological Processes</i> , <b>2017</b> , 31, 3069-3083	3.3	7
60	Particulate organic and dissolved inorganic carbon stable isotopic compositions in Taylor Valley lakes, Antarctica: the effect of legacy. <i>Hydrobiologia</i> , <b>2009</b> , 632, 139-156	2.4	7
59	Oxyanion Concentrations in Eastern Sierra Nevada Rivers II. Arsenic and Phosphate. <i>Aquatic Geochemistry</i> , <b>1997</b> , 3, 61-97	1.7	7
58	Inorganic carbon-isotope distribution and budget in the Lake Hoare and Lake Fryxell basins, Taylor Valley, Antarctica. <i>Annals of Glaciology</i> , <b>1998</b> , 27, 685-689	2.5	7
57	The biogeochemistry and hydrology of McMurdo Dry Valley glaciers: is there life on martian ice now?195-220		7
56	Variations in Dissolved Nitrate, Chloride, and Sulfate in Precipitation, Reservoir, and Tap Waters, Columbus, Ohio. <i>International Journal of Environmental Research and Public Health</i> , <b>2018</b> , 15,	4.6	7
55	Ca isotopic geochemistry of an Antarctic aquatic system. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 882-891	4.9	6
54	Potential for real-time understanding of coupled hydrologic and biogeochemical processes in stream ecosystems: Future integration of telemetered data with process models for glacial meltwater streams. <i>Water Resources Research</i> , <b>2015</b> , 51, 6725-6738	5.4	6
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52	The biogeochemistry of Si in the McMurdo Dry Valley lakes, Antarctica. <i>International Journal of Astrobiology</i> , <b>2002</b> , 1, 401-413	1.4	6
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