

# Carleton R Bern

## List of Publications by Year in descending order

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26  
papers

664  
citations

516710

16  
h-index

580821

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1014  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory Simulation of Groundwater Along Uranium-Mining-Affected Flow Paths Near the Grand Canyon, Arizona, USA. <i>Mine Water and the Environment</i> , 2022, 41, 370-386.	2.0	2
2	Water-rock interaction and the concentrations of major, trace, and rare earth elements in hydrocarbon-associated produced waters of the United States. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 1198-1219.	3.5	5
3	Nontuberculous Mycobacterial Disease and Molybdenum in Colorado Watersheds. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3854.	2.6	18
4	Salt Flushing, Salt Storage, and Controls on Selenium and Uranium: A 31-Year Mass Balance Analysis of an Irrigated, Semiarid Valley. <i>Journal of the American Water Resources Association</i> , 2020, 56, 647-668.	2.4	3
5	Effects of John Martin Reservoir, Colorado on water quality and quantity: Assessment by chemical, isotopic, and mass-balance methods. <i>Journal of Hydrology X</i> , 2020, 7, 100051.	1.6	1
6	Comment on "Particle fluxes in groundwater change subsurface rock chemistry over geologic time". <i>Earth and Planetary Science Letters</i> , 2019, 514, 166-168.	4.4	1
7	Improved enrichment factor calculations through principal component analysis: Examples from soils near breccia pipe uranium mines, Arizona, USA. <i>Environmental Pollution</i> , 2019, 248, 90-100.	7.5	94
8	Dual-phase mass balance modeling of small mineral particle losses from sedimentary rock-derived soils. <i>Chemical Geology</i> , 2018, 476, 441-455.	3.3	8
9	Modifications to EPA Method 3060A to Improve Extraction of Cr(VI) from Chromium Ore Processing Residue-Contaminated Soils. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11235-11243.	10.0	33
10	Ion-adsorption REEs in regolith of the Liberty Hill pluton, South Carolina, USA: An effect of hydrothermal alteration. <i>Journal of Geochemical Exploration</i> , 2017, 172, 29-40.	3.2	35
11	Timescales of carbon turnover in soils with mixed crystalline mineralogies. <i>Soil</i> , 2017, 3, 17-30.	4.9	23
12	The distribution and composition of REE-bearing minerals in placers of the Atlantic and Gulf coastal plains, USA. <i>Journal of Geochemical Exploration</i> , 2016, 162, 50-61.	3.2	22
13	Quantification of colloidal and aqueous element transfer in soils: The dual-phase mass balance model. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 151, 1-18.	3.9	30
14	Steep spatial gradients of volcanic and marine sulfur in Hawaiian rainfall and ecosystems. <i>Science of the Total Environment</i> , 2015, 514, 250-260.	8.0	16
15	Soil disturbance as a driver of increased stream salinity in a semiarid watershed undergoing energy development. <i>Journal of Hydrology</i> , 2015, 524, 123-136.	5.4	17
16	Deep subsurface drip irrigation using coal-bed sodic water: Part II. Geochemistry. <i>Agricultural Water Management</i> , 2013, 118, 135-149.	5.6	8
17	Chemical transfers along slowly eroding catenas developed on granitic cratons in southern Africa. <i>Geoderma</i> , 2013, 202-203, 192-202.	5.1	20
18	Shallow groundwater and soil chemistry response to 3 years of subsurface drip irrigation using coalbed-methane-produced water. <i>Hydrogeology Journal</i> , 2013, 21, 1803-1820.	2.1	14

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19	Deep subsurface drip irrigation using coal-bed sodic water: Part I. Water and solute movement. <i>Agricultural Water Management</i> , 2013, 118, 122-134.	5.6	13
20	A model for assessing, quantifying, and correcting for index element mobility in weathering studies. <i>Applied Geochemistry</i> , 2011, 26, S9-S11.	3.0	7
21	A mass-balance model to separate and quantify colloidal and solute redistributions in soil. <i>Chemical Geology</i> , 2011, 282, 113-119.	3.3	34
22	Weathering, dust, and biocycling effects on soil silicon isotope ratios. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 876-889.	3.9	63
23	Changing sources of strontium to soils and ecosystems across the Hawaiian Islands. <i>Chemical Geology</i> , 2009, 267, 64-76.	3.3	77
24	Soil chemistry in lithologically diverse datasets: The quartz dilution effect. <i>Applied Geochemistry</i> , 2009, 24, 1429-1437.	3.0	31
25	Discrimination of carbon and nitrogen isotopes from milk to serum and vibrissae in Alaska Steller sea lions ( <i>Eumetopias jubatus</i> ). <i>Canadian Journal of Zoology</i> , 2008, 86, 17-23.	1.0	24
26	UNEXPECTED DOMINANCE OF PARENT-MATERIAL STRONTIUM IN A TROPICAL FOREST ON HIGHLY WEATHERED SOILS. <i>Ecology</i> , 2005, 86, 626-632.	3.2	64