Carleton R Bern

List of Publications by Year
in descending order

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	Improved enrichment factor calculations through principal component analysis: Examples from soils near breccia pipe uranium mines, Arizona, USA. Environmental Pollution, 2019, 248, 90-100.	7.5	94
2	Changing sources of strontium to soils and ecosystems across the Hawaiian Islands. Chemical Geology, 2009, 267, 64-76.	3.3	77
3	UNEXPECTED DOMINANCE OF PARENT-MATERIAL STRONTIUM IN A TROPICAL FOREST ON HIGHLY WEATHERED SOILS. Ecology, 2005, 86, 626-632.	3.2	64
4	Weathering, dust, and biocycling effects on soil silicon isotope ratios. Geochimica Et Cosmochimica Acta, 2010, 74, 876-889.	3.9	63
5	Ion-adsorption REEs in regolith of the Liberty Hill pluton, South Carolina, USA: An effect of hydrothermal alteration. Journal of Geochemical Exploration, 2017, 172, 29-40.	3.2	35
6	A mass-balance model to separate and quantify colloidal and solute redistributions in soil. Chemical Geology, 2011, 282, 113-119.	3.3	34
7	Modifications to EPA Method 3060A to Improve Extraction of Cr(VI) from Chromium Ore Processing Residue-Contaminated Soils. Environmental Science & Technology, 2017, 51, 11235-11243.	10.0	33
8	Soil chemistry in lithologically diverse datasets: The quartz dilution effect. Applied Geochemistry, 2009, 24, 1429-1437.	3.0	31
9	Quantification of colloidal and aqueous element transfer in soils: The dual-phase mass balance model. Geochimica Et Cosmochimica Acta, 2015, 151, 1-18.	3.9	30
10	Discrimination of carbon and nitrogen isotopes from milk to serum and vibrissae in Alaska Steller sea lions (Eumetopias jubatus). Canadian Journal of Zoology, 2008, 86, 17-23.	1.0	24
11	Timescales of carbon turnover in soils with mixed crystalline mineralogies. Soil, 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. Journal of Geochemical Exploration, 2016, 162, 50-61.	3.2	22
13	Chemical transfers along slowly eroding catenas developed on granitic cratons in southern Africa. Geoderma, 2013, 202-203, 192-202.	5.1	20
14	Nontuberculous Mycobacterial Disease and Molybdenum in Colorado Watersheds. International Journal of Environmental Research and Public Health, 2020, 17, 3854.	2.6	18
15	Soil disturbance as a driver of increased stream salinity in a semiarid watershed undergoing energy development. Journal of Hydrology, 2015, 524, 123-136.	5.4	17
16	Steep spatial gradients of volcanic and marine sulfur in Hawaiian rainfall and ecosystems. Science of the Total Environment, 2015, 514, 250-260.	8.0	16
17	Shallow groundwater and soil chemistry response to 3 years of subsurface drip irrigation using coalbed-methane-produced water. Hydrogeology Journal, 2013, 21, 1803-1820.	2.1	14
18	Deep subsurface drip irrigation using coal-bed sodic water: Part I. Water and solute movement. Agricultural Water Management, 2013, 118, 122-134.	5.6	13

#	Article	IF	Citations
19	Deep subsurface drip irrigation using coal-bed sodic water: Part II. Geochemistry. Agricultural Water Management, 2013, 118, 135-149.	5.6	8
20	Dual-phase mass balance modeling of small mineral particle losses from sedimentary rock-derived soils. Chemical Geology, 2018, 476, 441-455.	3.3	8
21	A model for assessing, quantifying, and correcting for index element mobility in weathering studies. Applied Geochemistry, 2011, 26, S9-S11.	3.0	7
22	Waterâ€“rock interaction and the concentrations of major, trace, and rare earth elements in hydrocarbon-associated produced waters of the United States. Environmental Sciences: Processes and Impacts, 2021, 23, 1198-1219.	3.5	5
23	Salt Flushing, Salt Storage, and Controls on Selenium and Uranium: A 31â€Year Massâ€Balance Analysis of an Irrigated, Semiarid Valley. Journal of the American Water Resources Association, 2020, 56, 647-668.	2.4	3
24	Laboratory Simulation of Groundwater Along Uranium-Mining-Affected Flow Paths Near the Grand Canyon, Arizona, USA. Mine Water and the Environment, 2022, 41, 370-386.	2.0	2
25	Comment on â€œParticle fluxes in groundwater change subsurface rock chemistry over geologic timeâ€• Earth and Planetary Science Letters, 2019, 514, 166-168.	4.4	1
26	Effects of John Martin Reservoir, Colorado on water quality and quantity: Assessment by chemical, isotopic, and mass-balance methods. Journal of Hydrology X, 2020, 7, 100051.	1.6	1