Gwendolyn Macpherson

List of Publications by Year
in descending order

26	795	516710 16	526287 27
papers	citations	h-index	g-index

28	28	28	896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large and active CO2 uptake by coupled carbonate weathering. Earth-Science Reviews, 2018, 182, 42-49.	9.1	114
2	CO2 distribution in groundwater and the impact of groundwater extraction on the global C cycle. Chemical Geology, 2009, 264, 328-336.	3.3	95
3	Increasing shallow groundwater CO2 and limestone weathering, Konza Prairie, USA. Geochimica Et Cosmochimica Acta, 2008, 72, 5581-5599.	3.9	87
4	Developing the scientific framework for urban geochemistry. Applied Geochemistry, 2016, 67, 1-20.	3.0	66
5	Alteration of hyaloclastites in the HSDP 2 Phase 1 Drill Core: 2. Mass balance of the conversion of sideromelane to palagonite and chabazite. Geochemistry, Geophysics, Geosystems, 2005, 6, n/a-n/a.	2.5	36
6	Diurnal hydrochemical variations in a karst spring and two ponds, Maolan Karst Experimental Site, China: Biological pump effects. Journal of Hydrology, 2015, 522, 407-417.	5.4	36
7	Fast ground-water mixing and basal recharge in an unconfined, alluvial aquifer, Konza LTER Site, Northeastern Kansas. Journal of Hydrology, 2004, 286, 271-299.	5.4	35
8	The effect of precipitation events on inorganic carbon in soil and shallow groundwater, Konza Prairie LTER Site, NE Kansas, USA. Applied Geochemistry, 2012, 27, 2356-2369.	3.0	34
9	How landscape heterogeneity governs stream water concentration-discharge behavior in carbonate terrains (Konza Prairie, USA). Chemical Geology, 2019, 527, 118989.	3.3	34
10	Hydrogeology of thin limestones: the Konza Prairie Long-Term Ecological Research Site, Northeastern Kansas. Journal of Hydrology, 1996, 186, 191-228.	5.4	33
11	Temperatureâ€dependent Li isotope ratios in Appalachian Plateau and Gulf Coast Sedimentary Basin saline water. Geofluids, 2014, 14, 419-429.	0.7	24
12	Effects of Changing Meteoric Precipitation Patterns on Groundwater Temperature in Karst Environments. Ground Water, 2017, 55, 227-236.	1.3	24
13	Viability of karezes (ancient water supply systems in Afghanistan) in a changing world. Applied Water Science, 2017, 7, 1689-1710.	5.6	23
14	Watershed-scale chemical weathering in a merokarst terrain, northeastern Kansas, USA. Chemical Geology, 2019, 527, 118988.	3.3	21
15	Carbon isotope variation in modern soils of the tallgrass prairie: Analogues for the interpretation of isotopic records derived from paleosols. Quaternary International, 2007, 162-163, 3-20.	1.5	18
16	Sources of Sr and implications for weathering of limestone under tallgrass prairie, northeastern Kansas. Applied Geochemistry, 2005, 20, 2325-2342.	3.0	14
17	Geogenic and anthropogenic sources of potentially toxic elements in airborne dust in northeastern Iran. Aeolian Research, 2019, 41, 100540.	2.7	14
18	Developing a Conceptual Framework of Landscape and Hydrology on Tallgrass Prairie:A Critical Zone Approach. Vadose Zone Journal, 2018, 17, 1-11.	2.2	13

#	Article	IF	Citations
19	Laboratory Study of Low-Flow Rates on Clogging Processes for Application to Small-Diameter Injection Wells. Water Resources Management, 2015, 29, 5171-5184.	3.9	10
20	Toward a new conceptual model for groundwater flow in merokarst systems: Insights from multiple geophysical approaches. Hydrological Processes, 2020, 34, 4697-4711.	2.6	10
21	Identifying the source population of fish re-colonizing an arid-land stream following wildfire-induced extirpation using otolith microchemistry. Hydrobiologia, 2017, 797, 29-45.	2.0	9
22	Increasing groundwater CO2 in a mid-continent tallgrass prairie: Controlling factors. E3S Web of Conferences, 2019, 98, 06008.	0.5	6
23	Dust, impure calcite, and phytoliths: Modeled alternative sources of chemical weathering solutes in shallow groundwater. Chemical Geology, 2019, 527, 118871.	3.3	5
24	Exploring methods of measuring CO2 degassing in headwater streams. Sustainable Water Resources Management, 2019, 5, 1765-1779.	2.1	5
25	The validity of floating chambers in quantifying CO2 flux from headwater streams. Journal of Water and Climate Change, 2021, 12, 453-468.	2.9	5
26	Direct determination (without chromatographic separation) of lithium isotopes in saline fluids using MC-ICP-MS: establishing limits on water chemistry. Journal of Analytical Atomic Spectrometry, 2015, 30, 1673-1678.	3.0	3