

Gwendolyn Macpherson

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

795
citations

516710

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526287

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28
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docs citations

28
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	The validity of floating chambers in quantifying CO ₂ flux from headwater streams. <i>Journal of Water and Climate Change</i> , 2021, 12, 453-468.	2.9	5
2	Toward a new conceptual model for groundwater flow in merokarst systems: Insights from multiple geophysical approaches. <i>Hydrological Processes</i> , 2020, 34, 4697-4711.	2.6	10
3	Dust, impure calcite, and phytoliths: Modeled alternative sources of chemical weathering solutes in shallow groundwater. <i>Chemical Geology</i> , 2019, 527, 118871.	3.3	5
4	Increasing groundwater CO ₂ in a mid-continent tallgrass prairie: Controlling factors. <i>E3S Web of Conferences</i> , 2019, 98, 06008.	0.5	6
5	Exploring methods of measuring CO ₂ degassing in headwater streams. <i>Sustainable Water Resources Management</i> , 2019, 5, 1765-1779.	2.1	5
6	Geogenic and anthropogenic sources of potentially toxic elements in airborne dust in northeastern Iran. <i>Aeolian Research</i> , 2019, 41, 100540.	2.7	14
7	Watershed-scale chemical weathering in a merokarst terrain, northeastern Kansas, USA. <i>Chemical Geology</i> , 2019, 527, 118988.	3.3	21
8	How landscape heterogeneity governs stream water concentration-discharge behavior in carbonate terrains (Konza Prairie, USA). <i>Chemical Geology</i> , 2019, 527, 118989.	3.3	34
9	Large and active CO ₂ uptake by coupled carbonate weathering. <i>Earth-Science Reviews</i> , 2018, 182, 42-49.	9.1	114
10	Developing a Conceptual Framework of Landscape and Hydrology on Tallgrass Prairie: A Critical Zone Approach. <i>Vadose Zone Journal</i> , 2018, 17, 1-11.	2.2	13
11	Viability of karez (ancient water supply systems in Afghanistan) in a changing world. <i>Applied Water Science</i> , 2017, 7, 1689-1710.	5.6	23
12	Identifying the source population of fish re-colonizing an arid-land stream following wildfire-induced extirpation using otolith microchemistry. <i>Hydrobiologia</i> , 2017, 797, 29-45.	2.0	9
13	Effects of Changing Meteoric Precipitation Patterns on Groundwater Temperature in Karst Environments. <i>Ground Water</i> , 2017, 55, 227-236.	1.3	24
14	Developing the scientific framework for urban geochemistry. <i>Applied Geochemistry</i> , 2016, 67, 1-20.	3.0	66
15	Laboratory Study of Low-Flow Rates on Clogging Processes for Application to Small-Diameter Injection Wells. <i>Water Resources Management</i> , 2015, 29, 5171-5184.	3.9	10
16	Direct determination (without chromatographic separation) of lithium isotopes in saline fluids using MC-ICP-MS: establishing limits on water chemistry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1673-1678.	3.0	3
17	Diurnal hydrochemical variations in a karst spring and two ponds, Maolan Karst Experimental Site, China: Biological pump effects. <i>Journal of Hydrology</i> , 2015, 522, 407-417.	5.4	36
18	Temperature-dependent Li isotope ratios in Appalachian Plateau and Gulf Coast Sedimentary Basin saline water. <i>Geofluids</i> , 2014, 14, 419-429.	0.7	24

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19	The effect of precipitation events on inorganic carbon in soil and shallow groundwater, Konza Prairie LTER Site, NE Kansas, USA. <i>Applied Geochemistry</i> , 2012, 27, 2356-2369.	3.0	34
20	CO2 distribution in groundwater and the impact of groundwater extraction on the global C cycle. <i>Chemical Geology</i> , 2009, 264, 328-336.	3.3	95
21	Increasing shallow groundwater CO2 and limestone weathering, Konza Prairie, USA. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5581-5599.	3.9	87
22	Carbon isotope variation in modern soils of the tallgrass prairie: Analogues for the interpretation of isotopic records derived from paleosols. <i>Quaternary International</i> , 2007, 162-163, 3-20.	1.5	18
23	Sources of Sr and implications for weathering of limestone under tallgrass prairie, northeastern Kansas. <i>Applied Geochemistry</i> , 2005, 20, 2325-2342.	3.0	14
24	Alteration of hyaloclastites in the HSDP 2 Phase 1 Drill Core: 2. Mass balance of the conversion of sideromelane to palagonite and chabazite. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	36
25	Fast ground-water mixing and basal recharge in an unconfined, alluvial aquifer, Konza LTER Site, Northeastern Kansas. <i>Journal of Hydrology</i> , 2004, 286, 271-299.	5.4	35
26	Hydrogeology of thin limestones: the Konza Prairie Long-Term Ecological Research Site, Northeastern Kansas. <i>Journal of Hydrology</i> , 1996, 186, 191-228.	5.4	33