Jay L Banner

List of Publications by Year
in descending order

30 papers	2,812 citations	257450 24 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2445 citing authors

#	Article	IF	Citations
1	Predictors of Variations in Residential Water Consumption in Central Texas. Water (Switzerland), 2022, 14, 1804.	2.7	0
2	Hydroclimate response in Texas and Gulf of Mexico to rapid warming during the last deglacial: High-resolution speleothem proxy and monitoring evidence. Quaternary Science Reviews, 2021, 273, 107244.	3.0	2
3	Unprecedented Drought Challenges for Texas Water Resources in a Changing Climate: What Do Researchers and Stakeholders Need to Know?. Earth's Future, 2020, 8, e2020EF001552.	6.3	38
4	Stream and Spring Water Evolution in a Rapidly Urbanizing Watershed, Austin, TX. Water Resources Research, 2020, 56, e2019WR025623.	4.2	7
5	Constraining speleothem oxygen isotope disequilibrium driven by rapid CO2 degassing and calcite precipitation: Insights from monitoring and modeling. Geochimica Et Cosmochimica Acta, 2020, 284, 222-238.	3.9	15
6	Global analysis reveals climatic controls on the oxygen isotope composition of cave drip water. Nature Communications, 2019, 10, 2984.	12.8	81
7	Quantifying carbon isotope disequilibrium during in-cave evolution of drip water along discreet flow paths. Geochimica Et Cosmochimica Acta, 2019, 244, 182-196.	3.9	20
8	Trade winds drive pronounced seasonality in carbonate chemistry in a tropical Western Pacific island caveâ€"Implications for speleothem paleoclimatology. Geochemistry, Geophysics, Geosystems, 2017, 18, 384-399.	2.5	11
9	A global model for cave ventilation and seasonal bias in speleothem paleoclimate records. Geochemistry, Geophysics, Geosystems, 2015, 16, 1044-1051.	2.5	52
10	Holocene climate variability in Texas, USA: An integration of existing paleoclimate data and modeling with a new, high-resolution speleothem record. Quaternary Science Reviews, 2015, 127, 155-173.	3.0	43
11	Temperature-driven seasonal calcite growth and drip water trace element variations in a well-ventilated Texas cave: Implications for speleothem paleoclimate studies. Chemical Geology, 2015, 392, 43-58.	3.3	40
12	Changing amounts and sources of moisture in the U.S. southwest since the Last Glacial Maximum in response to global climate change. Earth and Planetary Science Letters, 2014, 401, 47-56.	4.4	30
13	Oxygen isotope variations in rainfall, drip-water and speleothem calcite from a well-ventilated cave in Texas, USA: Assessing a new speleothem temperature proxy. Geochimica Et Cosmochimica Acta, 2014, 127, 233-250.	3.9	63
14	Magnesium and strontium systematics in tropical speleothems from the Western Pacific. Chemical Geology, 2012, 294-295, 1-17.	3.3	102
15	Oxygen isotopic fractionation between drip water and speleothem calcite: A 10-year monitoring study, central Texas, USA. Chemical Geology, 2012, 304-305, 53-67.	3.3	48
16	The sources and sinks of CO2 in caves under mixed woodland and grassland vegetation. Geochimica Et Cosmochimica Acta, 2012, 96, 230-246.	3.9	93
17	Relationship between modern rainfall variability, cave dripwater, and stalagmite geochemistry in Guam, USA. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	37
18	Sr isotopes as tracers of anthropogenic influences on stream water in the Austin, Texas, area. Chemical Geology, 2011, 282, 84-97.	3.3	54

#	Article	IF	Citations
19	Seasonal dripwater Mg/Ca and Sr/Ca variations driven by cave ventilation: Implications for and modeling of speleothem paleoclimate records. Geochimica Et Cosmochimica Acta, 2011, 75, 3514-3529.	3.9	113
20	Controls on oxygen isotope variability in precipitation and cave drip waters, central Texas, USA. Journal of Hydrology, 2010, 385, 203-215.	5.4	82
21	Controls on the spatial and temporal variability of vadose dripwater geochemistry: Edwards aquifer, central Texas. Geochimica Et Cosmochimica Acta, 2004, 68, 1007-1020.	3.9	149
22	Estimating recharge thresholds in tropical karst island aquifers: Barbados, Puerto Rico and Guam. Journal of Hydrology, 2003, 278, 131-143.	5.4	91
23	Precise timing and rate of massive late Quaternary soil denudation. Geology, 2003, 31, 853.	4.4	43
24	Geochronology of late Pleistocene to Holocene speleothemsfrom central Texas: Implications for regional paleoclimate. Bulletin of the Geological Society of America, 2001, 113, 1532-1543.	3.3	87
25	Regional controls on the geochemical evolution of saline groundwaters in the Edwards aquifer, central Texas. Journal of Hydrology, 1996, 181, 251-283.	5.4	41
26	Integrated Sr isotope variations and sea-level history of Middle to Upper Cambrian platform carbonates: Implications for the evolution of Cambrian seawater 87Sr/86Sr. Geology, 1996, 24, 917.	4.4	151
27	Tracing ground-water evolution in a limestone aquifer using Sr isotopes: Effects of multiple sources of dissolved ions and mineral-solution reactions. Geology, 1994, 22, 687.	4.4	75
28	The isotopic record of ocean chemistry and diagenesis preserved in non-luminescent brachiopods from Mississippian carbonate rocks, Illinois and Missouri. Bulletin of the Geological Society of America, 1994, 106, 1074-1082.	3.3	90
29	Calculation of simultaneous isotopic and trace element variations during water-rock interaction with applications to carbonate diagenesis. Geochimica Et Cosmochimica Acta, 1990, 54, 3123-3137.	3.9	957
30	Isotopic and trace element constraints on the origin and evolution of saline groundwaters from central Missouri. Geochimica Et Cosmochimica Acta, 1989, 53, 383-398.	3.9	197