

Jay L Banner

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,812
citations

257450

24
h-index

477307

29
g-index

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all docs

30
docs citations

30
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of simultaneous isotopic and trace element variations during water-rock interaction with applications to carbonate diagenesis. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 3123-3137.	3.9	957
2	Isotopic and trace element constraints on the origin and evolution of saline groundwaters from central Missouri. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 383-398.	3.9	197
3	Integrated Sr isotope variations and sea-level history of Middle to Upper Cambrian platform carbonates: Implications for the evolution of Cambrian seawater $^{87}\text{Sr}/^{86}\text{Sr}$. <i>Geology</i> , 1996, 24, 917.	4.4	151
4	Controls on the spatial and temporal variability of vadose dripwater geochemistry: Edwards aquifer, central Texas. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1007-1020.	3.9	149
5	Seasonal dripwater Mg/Ca and Sr/Ca variations driven by cave ventilation: Implications for and modeling of speleothem paleoclimate records. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3514-3529.	3.9	113
6	Magnesium and strontium systematics in tropical speleothems from the Western Pacific. <i>Chemical Geology</i> , 2012, 294-295, 1-17.	3.3	102
7	The sources and sinks of CO ₂ in caves under mixed woodland and grassland vegetation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 230-246.	3.9	93
8	Estimating recharge thresholds in tropical karst island aquifers: Barbados, Puerto Rico and Guam. <i>Journal of Hydrology</i> , 2003, 278, 131-143.	5.4	91
9	The isotopic record of ocean chemistry and diagenesis preserved in non-luminescent brachiopods from Mississippian carbonate rocks, Illinois and Missouri. <i>Bulletin of the Geological Society of America</i> , 1994, 106, 1074-1082.	3.3	90
10	Geochronology of late Pleistocene to Holocene speleothems from central Texas: Implications for regional paleoclimate. <i>Bulletin of the Geological Society of America</i> , 2001, 113, 1532-1543.	3.3	87
11	Controls on oxygen isotope variability in precipitation and cave drip waters, central Texas, USA. <i>Journal of Hydrology</i> , 2010, 385, 203-215.	5.4	82
12	Global analysis reveals climatic controls on the oxygen isotope composition of cave drip water. <i>Nature Communications</i> , 2019, 10, 2984.	12.8	81
13	Tracing ground-water evolution in a limestone aquifer using Sr isotopes: Effects of multiple sources of dissolved ions and mineral-solution reactions. <i>Geology</i> , 1994, 22, 687.	4.4	75
14	Oxygen isotope variations in rainfall, drip-water and speleothem calcite from a well-ventilated cave in Texas, USA: Assessing a new speleothem temperature proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 233-250.	3.9	63
15	Sr isotopes as tracers of anthropogenic influences on stream water in the Austin, Texas, area. <i>Chemical Geology</i> , 2011, 282, 84-97.	3.3	54
16	A global model for cave ventilation and seasonal bias in speleothem paleoclimate records. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1044-1051.	2.5	52
17	Oxygen isotopic fractionation between drip water and speleothem calcite: A 10-year monitoring study, central Texas, USA. <i>Chemical Geology</i> , 2012, 304-305, 53-67.	3.3	48
18	Precise timing and rate of massive late Quaternary soil denudation. <i>Geology</i> , 2003, 31, 853.	4.4	43

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19	Holocene climate variability in Texas, USA: An integration of existing paleoclimate data and modeling with a new, high-resolution speleothem record. <i>Quaternary Science Reviews</i> , 2015, 127, 155-173.	3.0	43
20	Regional controls on the geochemical evolution of saline groundwaters in the Edwards aquifer, central Texas. <i>Journal of Hydrology</i> , 1996, 181, 251-283.	5.4	41
21	Temperature-driven seasonal calcite growth and drip water trace element variations in a well-ventilated Texas cave: Implications for speleothem paleoclimate studies. <i>Chemical Geology</i> , 2015, 392, 43-58.	3.3	40
22	Unprecedented Drought Challenges for Texas Water Resources in a Changing Climate: What Do Researchers and Stakeholders Need to Know?. <i>Earth's Future</i> , 2020, 8, e2020EF001552.	6.3	38
23	Relationship between modern rainfall variability, cave dripwater, and stalagmite geochemistry in Guam, USA. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	37
24	Changing amounts and sources of moisture in the U.S. southwest since the Last Glacial Maximum in response to global climate change. <i>Earth and Planetary Science Letters</i> , 2014, 401, 47-56.	4.4	30
25	Quantifying carbon isotope disequilibrium during in-cave evolution of drip water along discrete flow paths. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 244, 182-196.	3.9	20
26	Constraining speleothem oxygen isotope disequilibrium driven by rapid CO ₂ degassing and calcite precipitation: Insights from monitoring and modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 222-238.	3.9	15
27	Trade winds drive pronounced seasonality in carbonate chemistry in a tropical Western Pacific island cave—Implications for speleothem paleoclimatology. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 384-399.	2.5	11
28	Stream and Spring Water Evolution in a Rapidly Urbanizing Watershed, Austin, TX. <i>Water Resources Research</i> , 2020, 56, e2019WR025623.	4.2	7
29	Hydroclimate response in Texas and Gulf of Mexico to rapid warming during the last deglacial: High-resolution speleothem proxy and monitoring evidence. <i>Quaternary Science Reviews</i> , 2021, 273, 107244.	3.0	2
30	Predictors of Variations in Residential Water Consumption in Central Texas. <i>Water (Switzerland)</i> , 2022, 14, 1804.	2.7	0