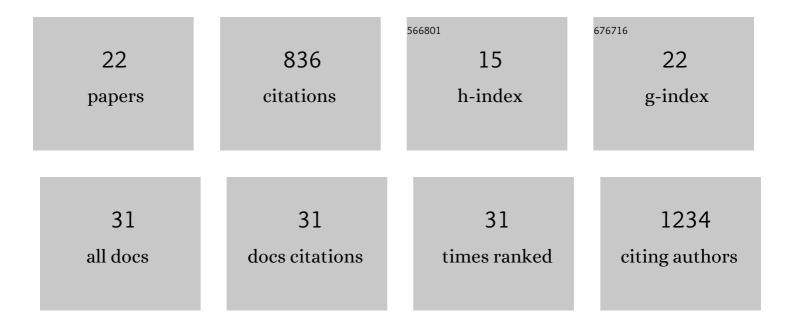
Adam L Atchley

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effects of fuel spatial distribution on wildland fire behaviour. International Journal of Wildland Fire, 2021, 30, 179.	1.0	38
2	New insights into the drainage of inundated ice-wedge polygons using fundamental hydrologic principles. Cryosphere, 2021, 15, 4005-4029.	1.5	3
3	Linking habitat suitability with a longleaf pine-hardwood model: Building a species-predictive fire-land management framework. Ecological Modelling, 2021, 440, 109387.	1.2	2
4	Evapotranspiration depletes groundwater under warming over the contiguous United States. Nature Communications, 2020, 11, 873.	5.8	155
5	Feedbacks Between Surface Deformation and Permafrost Degradation in Ice Wedge Polygons, Arctic Coastal Plain, Alaska. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005349.	1.0	12
6	Future water resource shifts in the high desert Southwest of Northern New Mexico, USA. Journal of Hydrology: Regional Studies, 2020, 28, 100678.	1.0	5
7	Estimation of subsurface porosities and thermal conductivities of polygonal tundra by coupled inversion of electrical resistivity, temperature, and moisture content data. Cryosphere, 2020, 14, 77-91.	1.5	7
8	Simulating 10,000 Years of Erosion to Assess Nuclear Waste Repository Performance. Geosciences (Switzerland), 2019, 9, 120.	1.0	2
9	Brief communication: Rapid machine-learning-based extraction and measurement of ice wedge polygons in high-resolution digital elevation models. Cryosphere, 2019, 13, 237-245.	1.5	24
10	Global Sensitivity of Simulated Water Balance Indicators Under Future Climate Change in the Colorado Basin. Water Resources Research, 2018, 54, 132-149.	1.7	27
11	Microtopographic control on the ground thermal regime in ice wedge polygons. Cryosphere, 2018, 12, 1957-1968.	1.5	34
12	Simulating Surface and Subsurface Water Balance Changes Due to Burn Severity. Vadose Zone Journal, 2018, 17, 1-13.	1.3	34
13	Modeling the role of preferential snow accumulation in through talik development and hillslope groundwater flow in a transitional permafrost landscape. Environmental Research Letters, 2018, 13, 105006.	2.2	90
14	Effect of soil property uncertainties on permafrost thaw projections: a calibration-constrained analysis. Cryosphere, 2016, 10, 341-358.	1.5	33
15	Influences and interactions of inundation, peat, and snow on active layer thickness. Geophysical Research Letters, 2016, 43, 5116-5123.	1.5	49
16	Integrated surface/subsurface permafrost thermal hydrology: Model formulation and proofâ€ofâ€concept simulations. Water Resources Research, 2016, 52, 6062-6077.	1.7	102
17	Using field observations to inform thermal hydrology models of permafrost dynamics with ATS (v0.83). Geoscientific Model Development, 2015, 8, 2701-2722.	1.3	56
18	The effects of physical and geochemical heterogeneities on hydro-geochemical transport and effective reaction rates. Journal of Contaminant Hydrology, 2014, 165, 53-64.	1.6	34

#	Article	IF	CITATIONS
19	Using streamlines to simulate stochastic reactive transport in heterogeneous aquifers: Kinetic metal release and transport in CO2 impacted drinking water aquifers. Advances in Water Resources, 2013, 52, 93-106.	1.7	34
20	Human Health Risk Assessment of CO ₂ Leakage into Overlying Aquifers Using a Stochastic, Geochemical Reactive Transport Approach. Environmental Science & Technology, 2013, 47, 5954-5962.	4.6	30
21	Reply to comment by A. Fiori et al. on "Comparison of Fickian and temporally nonlocal transport theories over many scales in an exhaustively sampled sandstone slab― Water Resources Research, 2012, 48, .	1.7	3
22	Influences of subsurface heterogeneity and vegetation cover on soil moisture, surface temperature and evapotranspiration at hillslope scales. Hydrogeology Journal, 2011, 19, 289-305.	0.9	50