

Adam L Atchley

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

836
citations

566801

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22
g-index

31
all docs

31
docs citations

31
times ranked

1234
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of fuel spatial distribution on wildland fire behaviour. <i>International Journal of Wildland Fire</i> , 2021, 30, 179.	1.0	38
2	New insights into the drainage of inundated ice-wedge polygons using fundamental hydrologic principles. <i>Cryosphere</i> , 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. <i>Ecological Modelling</i> , 2021, 440, 109387.	1.2	2
4	Evapotranspiration depletes groundwater under warming over the contiguous United States. <i>Nature Communications</i> , 2020, 11, 873.	5.8	155
5	Feedbacks Between Surface Deformation and Permafrost Degradation in Ice Wedge Polygons, Arctic Coastal Plain, Alaska. <i>Journal of Geophysical Research F: Earth Surface</i> , 2020, 125, e2019JF005349.	1.0	12
6	Future water resource shifts in the high desert Southwest of Northern New Mexico, USA. <i>Journal of Hydrology: Regional Studies</i> , 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. <i>Cryosphere</i> , 2020, 14, 77-91.	1.5	7
8	Simulating 10,000 Years of Erosion to Assess Nuclear Waste Repository Performance. <i>Geosciences (Switzerland)</i> , 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. <i>Cryosphere</i> , 2019, 13, 237-245.	1.5	24
10	Global Sensitivity of Simulated Water Balance Indicators Under Future Climate Change in the Colorado Basin. <i>Water Resources Research</i> , 2018, 54, 132-149.	1.7	27
11	Microtopographic control on the ground thermal regime in ice wedge polygons. <i>Cryosphere</i> , 2018, 12, 1957-1968.	1.5	34
12	Simulating Surface and Subsurface Water Balance Changes Due to Burn Severity. <i>Vadose Zone Journal</i> , 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. <i>Environmental Research Letters</i> , 2018, 13, 105006.	2.2	90
14	Effect of soil property uncertainties on permafrost thaw projections: a calibration-constrained analysis. <i>Cryosphere</i> , 2016, 10, 341-358.	1.5	33
15	Influences and interactions of inundation, peat, and snow on active layer thickness. <i>Geophysical Research Letters</i> , 2016, 43, 5116-5123.	1.5	49
16	Integrated surface/subsurface permafrost thermal hydrology: Model formulation and proof-of-concept simulations. <i>Water Resources Research</i> , 2016, 52, 6062-6077.	1.7	102
17	Using field observations to inform thermal hydrology models of permafrost dynamics with ATS (v0.83). <i>Geoscientific Model Development</i> , 2015, 8, 2701-2722.	1.3	56
18	The effects of physical and geochemical heterogeneities on hydro-geochemical transport and effective reaction rates. <i>Journal of Contaminant Hydrology</i> , 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 CO ₂ impacted drinking water aquifers. <i>Advances in Water Resources</i> , 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. <i>Environmental Science & Technology</i> , 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". <i>Water Resources Research</i> , 2012, 48, .	1.7	3
22	Influences of subsurface heterogeneity and vegetation cover on soil moisture, surface temperature and evapotranspiration at hillslope scales. <i>Hydrogeology Journal</i> , 2011, 19, 289-305.	0.9	50