

Andrew Frampton

List of Publications by Year in descending order

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34
papers

1,226
citations

393982

19
h-index

395343

33
g-index

44
all docs

44
docs citations

44
times ranked

1394
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely wet summer events enhance permafrost thaw for multiple years in Siberian tundra. <i>Nature Communications</i> , 2022, 13, 1556.	5.8	24
2	Wetland position in the landscape: Impact on water storage and flood buffering. <i>Ecohydrology</i> , 2022, 15, .	1.1	10
3	Impact of lateral groundwater flow on hydrothermal conditions of the active layer in a high-Arctic hillslope setting. <i>Cryosphere</i> , 2021, 15, 4853-4871.	1.5	9
4	Wetlandscape size thresholds for ecosystem service delivery: Evidence from the Norrströmm drainage basin, Sweden. <i>Science of the Total Environment</i> , 2020, 704, 135452.	3.9	17
5	Advective Transport in Discrete Fracture Networks With Connected and Disconnected Textures Representing Internal Aperture Variability. <i>Water Resources Research</i> , 2019, 55, 5487-5501.	1.7	46
6	Conceptual uncertainties in modelling the interaction between engineered and natural barriers of nuclear waste repositories in crystalline rocks. <i>Geological Society Special Publication</i> , 2019, 482, 261-283.	0.8	7
7	Groundwater flow and heat transport for systems undergoing freeze-thaw: Intercomparison of numerical simulators for 2D test cases. <i>Advances in Water Resources</i> , 2018, 114, 196-218.	1.7	91
8	Solute evidence for hydrological connectivity of geographically isolated wetlands. <i>Land Degradation and Development</i> , 2018, 29, 3954-3962.	1.8	26
9	Reconstruction of the water content at an interface between compacted bentonite blocks and fractured crystalline bedrock. <i>Applied Clay Science</i> , 2017, 142, 145-152.	2.6	3
10	Wetlands as large-scale nature-based solutions: Status and challenges for research, engineering and management. <i>Ecological Engineering</i> , 2017, 108, 489-497.	1.6	217
11	Contaminated area instability along Ångermanälven River, northern Sweden. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 118.	1.3	5
12	Permafrost Map for Norway, Sweden and Finland. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 359-378.	1.5	92
13	Soil moisture redistribution and its effect on inter-annual active layer temperature and thickness variations in a dry loess terrace in Adventdalen, Svalbard. <i>Cryosphere</i> , 2017, 11, 635-651.	1.5	31
14	Thermal effects of groundwater flow through subarctic fens: A case study based on field observations and numerical modeling. <i>Water Resources Research</i> , 2016, 52, 1591-1606.	1.7	79
15	Modeling early in situ wetting of a compacted bentonite buffer installed in low permeable crystalline bedrock. <i>Water Resources Research</i> , 2016, 52, 6207-6221.	1.7	5
16	Air warming trends linked to permafrost warming in the sub-Arctic catchment of Tarfala, Sweden. <i>Polar Research</i> , 2016, 35, 28978.	1.6	3
17	Impact of degrading permafrost on subsurface solute transport pathways and travel times. <i>Water Resources Research</i> , 2015, 51, 7680-7701.	1.7	50
18	A global sensitivity analysis of two-phase flow between fractured crystalline rock and bentonite with application to spent nuclear fuel disposal. <i>Journal of Contaminant Hydrology</i> , 2015, 182, 25-35.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Mechanisms of Basin-Scale Nitrogen Load Reductions under Intensified Irrigated Agriculture. PLoS ONE, 2015, 10, e0120015.	1.1	29
20	Modeling Two-Phase-Flow Interactions across a Bentonite Clay and Fractured Rock Interface. Nuclear Technology, 2014, 187, 147-157.	0.7	4
21	Using streamflow characteristics to explore permafrost thawing in northern Swedish catchments. Hydrogeology Journal, 2013, 21, 121-131.	0.9	56
22	Permafrost degradation and subsurface-flow changes caused by surface warming trends. Hydrogeology Journal, 2013, 21, 271-280.	0.9	70
23	Solute transport and retention in three-dimensional fracture networks. Water Resources Research, 2012, 48, .	1.7	44
24	Transient Modeling of Permafrost Dynamics in Changing Climate Scenarios. , 2011, , .		0
25	Numerical and analytical modeling of advective travel times in realistic three-dimensional fracture networks. Water Resources Research, 2011, 47, .	1.7	53
26	Non-isothermal, three-phase simulations of near-surface flows in a model permafrost system under seasonal variability and climate change. Journal of Hydrology, 2011, 403, 352-359.	2.3	83
27	Transport and retention from single to multiple fractures in crystalline rock at Åspång (Sweden): 2. Fracture network simulations and generic retention model. Water Resources Research, 2010, 46, .	1.7	21
28	Inference of field-scale fracture transmissivities in crystalline rock using flow log measurements. Water Resources Research, 2010, 46, .	1.7	44
29	An indirect assessment on the impact of connectivity of conductivity classes upon longitudinal asymptotic macrodispersivity. Water Resources Research, 2010, 46, .	1.7	31
30	Significance of injection modes and heterogeneity on spatial and temporal dispersion of advecting particles in two-dimensional discrete fracture networks. Advances in Water Resources, 2009, 32, 649-658.	1.7	31
31	Upscaling particle transport in discrete fracture networks: 1. Nonreactive tracers. Water Resources Research, 2007, 43, .	1.7	11
32	Upscaling particle transport in discrete fracture networks: 2. Reactive tracers. Water Resources Research, 2007, 43, .	1.7	14
33	Modelling strategies for liquid spreading in medical absorbents. International Journal of Clothing Science and Technology, 2004, 16, 163-172.	0.5	2
34	Experimental and theoretical study of the spread of fluid from a point source on an inclined incontinence bed-pad. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2003, 217, 263-271.	1.0	8