

Andrew Ireson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8118292/andrew-ireson-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,909
citations

16
h-index

43
g-index

43
ext. papers

2,177
ext. citations

5
avg, IF

4.4
L-index

#	Paper	IF	Citations
40	Using observed soil moisture to constrain the uncertainty of simulated hydrological fluxes. <i>Hydrological Processes</i> , 2022 , 36,	3.3	1
39	Advances in modelling large river basins in cold regions with Modélisation Environnementale Communautaire Surface and Hydrology (MESH), the Canadian hydrological land surface scheme. <i>Hydrological Processes</i> , 2022 , 36,	3.3	2
38	Summary and synthesis of Changing Cold Regions Network (CCRN) research in the interior of western Canada [Part 2: Future change in cryosphere, vegetation, and hydrology. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 1849-1882	5.5	10
37	A Model for the Soil Freezing Characteristic Curve That Represents the Dominant Role of Salt Exclusion. <i>Water Resources Research</i> , 2021 , 57, e2021WR030070	5.4	2
36	Ephemeral Ponds: Are They the Dominant Source of Depression-Focused Groundwater Recharge?. <i>Water Resources Research</i> , 2020 , 56, e2019WR026640	5.4	8
35	Modeling groundwater responses to climate change in the Prairie Pothole Region. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 655-672	5.5	10
34	Controls on evapotranspiration from jack pine forests in the Boreal Plains Ecozone. <i>Hydrological Processes</i> , 2020 , 34, 927-940	3.3	7
33	How Spatial Patterns of Soil Moisture Dynamics Can Explain Field-Scale Soil Moisture Variability: Observations From a Sodic Landscape. <i>Water Resources Research</i> , 2019 , 55, 4410-4426	5.4	7
32	Meteorological, soil moisture, surface water, and groundwater data from the St. Denis National Wildlife Area, Saskatchewan, Canada. <i>Earth System Science Data</i> , 2019 , 11, 553-563	10.5	5
31	Quantifying the wetland water balance: A new isotope-based approach that includes precipitation and infiltration. <i>Journal of Hydrology</i> , 2019 , 570, 185-200	6	10
30	Impact of bimodal textural heterogeneity and connectivity on flow and transport through unsaturated mine waste rock. <i>Advances in Water Resources</i> , 2018 , 112, 254-265	4.7	15
29	Fully coupled heat and water dynamics modelling of a reclamation cover for oil sands shale overburden. <i>Journal of Hydrology</i> , 2018 , 566, 250-263	6	5
28	Field-scale water balance closure in seasonally frozen conditions. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 5401-5413	5.5	11
27	Estimating field-scale root zone soil moisture using the cosmic-ray neutron probe. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1373-1385	5.5	32
26	The changing water cycle: the Boreal Plains ecozone of Western Canada. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 505-521	5.7	45
25	Influence of shallow groundwater-surface water interactions on the hydrological connectivity and water budget of a wetland complex. <i>Hydrological Processes</i> , 2015 , 29, 3862-3877	3.3	32
24	An Efficient Calibration Technique for Heat Dissipation Matric Water Potential Sensors. <i>Soil Science Society of America Journal</i> , 2015 , 79, 1115-1122	2.5	

23	Impacts of climate variability on wetland salinization in the North American prairies. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 1251-1263	5.5	36
22	Comparison of varied complexity models simulating recharge at the field scale. <i>Hydrological Processes</i> , 2014 , 28, 2091-2102	3.3	22
21	Sulfate salt dynamics in the glaciated plains of North America. <i>Journal of Hydrology</i> , 2013 , 499, 188-199	6	32
20	Modeling Groundwater-Soil-Plant-Atmosphere Exchanges in Fractured Porous Media. <i>Procedia Environmental Sciences</i> , 2013 , 19, 321-330		2
19	Hydrogeological processes in seasonally frozen northern latitudes: understanding, gaps and challenges. <i>Hydrogeology Journal</i> , 2013 , 21, 53-66	3.1	87
18	Water Vapor Transport in Soils from a Pervaporative Irrigation System. <i>Journal of Environmental Engineering, ASCE</i> , 2013 , 139, 1062-1069	2	7
17	A critical assessment of simple recharge models: application to the UK Chalk. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 2083-2096	5.5	17
16	Modeling Vapor Flow from a Pervaporative Irrigation System. <i>Vadose Zone Journal</i> , 2013 , 12, vzt2013.05.0079	3	3
15	Advances in modelling groundwater behaviour in Chalk catchments. <i>Geological Society Special Publication</i> , 2012 , 364, 113-127	1.7	11
14	Evidence for the onset and persistence with depth of preferential flow in unsaturated fractured porous media 2012 , 43, 707-719		9
13	Flood risk from groundwater: examples from a Chalk catchment in southern England. <i>Journal of Flood Risk Management</i> , 2011 , 4, 143-155	3.1	53
12	Controls on preferential recharge to Chalk aquifers. <i>Journal of Hydrology</i> , 2011 , 398, 109-123	6	40
11	Drinking Water Salinity and Maternal Health in Coastal Bangladesh: Implications of Climate Change. <i>Environmental Health Perspectives</i> , 2011 ,	8.4	176
10	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	1021
9	A model for flow in the chalk unsaturated zone incorporating progressive weathering. <i>Journal of Hydrology</i> , 2009 , 365, 244-260	6	51
8	Characterisation of Radionuclide Migration and Plant Uptake for Performance Assessment. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1107, 1		
7	Catchment-scale modelling of flow and nutrient transport in the Chalk unsaturated zone. <i>Ecological Modelling</i> , 2007 , 209, 41-52	3	32
6	Recent advances in modelling nitrate transport in the Chalk unsaturated zone. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2007 , 40, 353-359	1.4	11

5	Hydrological processes in the Chalk unsaturated zone – Insights from an intensive field monitoring programme. <i>Journal of Hydrology</i> , 2006 , 330, 29-43	6	48
4	Water Resources Modelling under Data Scarcity: Coupling MIKE BASIN and ASM Groundwater Model. <i>Water Resources Management</i> , 2006 , 20, 567-590	3-7	41
3	Meteorological, soil moisture, surface water, and groundwater data from the St Denis National Wildlife Area, Saskatchewan, Canada		2
2	A critical assessment of simple recharge models: application to the UK Chalk		1
1	Synthesis of science: findings on Canadian Prairie wetland drainage. <i>Canadian Water Resources Journal</i> , 1-13	1-7	4