

Andrew Ireson

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,469
citations

430442

18
h-index

344852

36
g-index

43
all docs

43
docs citations

43
times ranked

3169
citing authors

#	ARTICLE	IF	CITATIONS
1	Using observed soil moisture to constrain the uncertainty of simulated hydrological fluxes. <i>Hydrological Processes</i> , 2022, 36, .	1.1	5
2	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, .	1.1	14
3	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.	1.9	20
4	A Model for the Soil Freezing Characteristic Curve That Represents the Dominant Role of Salt Exclusion. <i>Water Resources Research</i> , 2021, 57, e2021WR030070.	1.7	12
5	Synthesis of science: findings on Canadian Prairie wetland drainage. <i>Canadian Water Resources Journal</i> , 2021, 46, 229-241.	0.5	15
6	Controls on evapotranspiration from jack pine forests in the Boreal Plains Ecozone. <i>Hydrological Processes</i> , 2020, 34, 927-940.	1.1	13
7	Ephemeral Ponds: Are They the Dominant Source of Depression-Focused Groundwater Recharge?. <i>Water Resources Research</i> , 2020, 56, e2019WR026640.	1.7	14
8	Modeling groundwater responses to climate change in the Prairie Pothole Region. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 655-672.	1.9	23
9	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.	1.7	12
10	Quantifying the wetland water balance: A new isotope-based approach that includes precipitation and infiltration. <i>Journal of Hydrology</i> , 2019, 570, 185-200.	2.3	18
11	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.	3.7	7
12	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.	1.7	15
13	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.	2.3	6
14	Field-scale water balance closure in seasonally frozen conditions. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 5401-5413.	1.9	17
15	Estimating field-scale root zone soil moisture using the cosmic-ray neutron probe. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 1373-1385.	1.9	40
16	The changing water cycle: the Boreal Plains ecozone of Western Canada. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015, 2, 505-521.	2.8	63
17	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.	1.1	41
18	An Efficient Calibration Technique for Heat Dissipation Matric Water Potential Sensors. <i>Soil Science Society of America Journal</i> , 2015, 79, 1115-1122.	1.2	0

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19	Impacts of climate variability on wetland salinization in the North American prairies. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1251-1263.	1.9	41
20	Comparison of varied complexity models simulating recharge at the field scale. <i>Hydrological Processes</i> , 2014, 28, 2091-2102.	1.1	23
21	Sulfate salt dynamics in the glaciated plains of North America. <i>Journal of Hydrology</i> , 2013, 499, 188-199.	2.3	38
22	Modeling Groundwater-Soil-Plant-Atmosphere Exchanges in Fractured Porous Media. <i>Procedia Environmental Sciences</i> , 2013, 19, 321-330.	1.3	2
23	Hydrogeological processes in seasonally frozen northern latitudes: understanding, gaps and challenges. <i>Hydrogeology Journal</i> , 2013, 21, 53-66.	0.9	144
24	Water Vapor Transport in Soils from a Pervaporative Irrigation System. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 1062-1069.	0.7	7
25	A critical assessment of simple recharge models: application to the UK Chalk. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 2083-2096.	1.9	21
26	Modeling Vapor Flow from a Pervaporative Irrigation System. <i>Vadose Zone Journal</i> , 2013, 12, 1-11.	1.3	3
27	Evidence for the onset and persistence with depth of preferential flow in unsaturated fractured porous media. <i>Hydrology Research</i> , 2012, 43, 707-719.	1.1	11
28	Advances in modelling groundwater behaviour in Chalk catchments. <i>Geological Society Special Publication</i> , 2012, 364, 113-127.	0.8	14
29	Flood risk from groundwater: examples from a Chalk catchment in southern England. <i>Journal of Flood Risk Management</i> , 2011, 4, 143-155.	1.6	68
30	Controls on preferential recharge to Chalk aquifers. <i>Journal of Hydrology</i> , 2011, 398, 109-123.	2.3	51
31	Drinking Water Salinity and Maternal Health in Coastal Bangladesh: Implications of Climate Change. <i>Environmental Health Perspectives</i> , 2011, 119, 1328-1332.	2.8	234
32	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, .	9.0	1,256
33	A model for flow in the chalk unsaturated zone incorporating progressive weathering. <i>Journal of Hydrology</i> , 2009, 365, 244-260.	2.3	62
34	Characterisation of Radionuclide Migration and Plant Uptake for Performance Assessment. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1107, 1.	0.1	0
35	Recent advances in modelling nitrate transport in the Chalk unsaturated zone. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2007, 40, 353-359.	0.8	12
36	Catchment-scale modelling of flow and nutrient transport in the Chalk unsaturated zone. <i>Ecological Modelling</i> , 2007, 209, 41-52.	1.2	32

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37	Hydrological processes in the Chalk unsaturated zone – Insights from an intensive field monitoring programme. <i>Journal of Hydrology</i> , 2006, 330, 29-43.	2.3	58
38	Water Resources Modelling under Data Scarcity: Coupling MIKE BASIN and ASM Groundwater Model. <i>Water Resources Management</i> , 2006, 20, 567-590.	1.9	52