

Garth Van Der Kamp

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,357
citations

257450

24
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater-wetland ecosystem interaction in the semiarid glaciated plains of North America. <i>Hydrogeology Journal</i> , 2009, 17, 203-214.	2.1	216
2	Water and solute transfer between a prairie wetland and adjacent uplands, 1. Water balance. <i>Journal of Hydrology</i> , 1998, 207, 42-55.	5.4	207
3	Focused infiltration of snowmelt water in partially frozen soil under small depressions. <i>Journal of Hydrology</i> , 2003, 270, 214-229.	5.4	199
4	Hydrology of Prairie Wetlands: Understanding the Integrated Surface-Water and Groundwater Processes. <i>Wetlands</i> , 2016, 36, 237-254.	1.5	154
5	A multiscale study of the permeability of a thick clayey till. <i>Water Resources Research</i> , 1989, 25, 2299-2317.	4.2	149
6	Interannual variation of evapotranspiration from forest and grassland ecosystems in western Canada in relation to drought. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 1476-1484.	4.8	139
7	Methods for determining the in situ hydraulic conductivity of shallow aquitards - an overview. <i>Hydrogeology Journal</i> , 2001, 9, 5-16.	2.1	116
8	Fracture permeability and groundwater flow in clayey till near Saskatoon, Saskatchewan. <i>Canadian Geotechnical Journal</i> , 1986, 23, 229-240.	2.8	115
9	Water and solute transfer between a prairie wetland and adjacent uplands, 2. Chloride cycle. <i>Journal of Hydrology</i> , 1998, 207, 56-67.	5.4	107
10	Organic carbon and sulphur compounds in wetland soils: insights on structure and transformation processes using K-edge XANES and NMR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2585-2597.	3.9	95
11	Monitoring the hydrology of Canadian prairie wetlands to detect the effects of climate change and land use changes. , 2001, 67, 195-215.		85
12	Long-Term Water Level Changes in Closed-Basin Lakes of the Canadian Prairies. <i>Canadian Water Resources Journal</i> , 2008, 33, 23-38.	1.2	72
13	Infiltration and solute transport under a seasonal wetland: bromide tracer experiments in Saskatoon, Canada. <i>Hydrological Processes</i> , 2004, 18, 2011-2027.	2.6	68
14	The transformation of frequency distributions of winter precipitation to spring streamflow probabilities in cold regions; case studies from the Canadian Prairies. <i>Journal of Hydrology</i> , 2015, 521, 395-409.	5.4	53
15	Surface and subsurface salinity distribution and exchange in a closed-basin prairie wetland. <i>Journal of Hydrology</i> , 2013, 478, 1-14.	5.4	44
16	Simplified Volume-Area-Depth Method for Estimating Water Storage of Prairie Potholes. <i>Wetlands</i> , 2010, 30, 541-551.	1.5	41
17	The Unusual and Large Drawdown Response of Buried Valley Aquifers to Pumping. <i>Ground Water</i> , 2012, 50, 207-215.	1.3	40
18	Monitoring the moisture balance of a boreal aspen forest using a deep groundwater piezometer. <i>Agricultural and Forest Meteorology</i> , 2000, 102, 13-24.	4.8	38

#	ARTICLE	IF	CITATIONS
19	On the behaviour of dynamic contributing areas and flood frequency curves in North American Prairie watersheds. <i>Journal of Hydrology</i> , 2012, 414-415, 364-373.	5.4	38
20	Sulfate salt dynamics in the glaciated plains of North America. <i>Journal of Hydrology</i> , 2013, 499, 188-199.	5.4	38
21	Use of solute mass balance to quantify geochemical processes in a prairie recharge wetland. <i>Wetlands</i> , 2007, 27, 806-818.	1.5	36
22	A new technique for obtaining high-resolution pore pressure records in thick claystone aquitards and its use to determine in situ compressibility. <i>Water Resources Research</i> , 2013, 49, 732-743.	4.2	36
23	Application of hydrogeology to predictive mapping of wetland soils in the Canadian Prairie Pothole Region. <i>Geoderma</i> , 2014, 235-236, 199-211.	5.1	30
24	Interpreting pore-water pressure changes induced by water table fluctuations and mechanical loading due to soil moisture changes. <i>Canadian Geotechnical Journal</i> , 2012, 49, 357-366.	2.8	26
25	The impact of climatic variability and change in the hydroclimatology of Lake Winnipeg watershed. <i>Hydrological Processes</i> , 2012, 26, 2802-2813.	2.6	26
26	Prairie Pothole Wetlands – Suggestions for Practical and Objective Definitions and Terminology. <i>Wetlands</i> , 2016, 36, 229-235.	1.5	23
27	USE OF TENSIO METER RESPONSE TIME TO DETERMINE THE HYDRAULIC CONDUCTIVITY OF UNSATURATED SOIL. <i>Soil Science</i> , 1997, 162, 566-575.	0.9	22
28	On the changes in long-term streamflow regimes in the North American Prairies. <i>Hydrological Sciences Journal</i> , 2016, 61, 64-78.	2.6	21
29	Summary and synthesis of Changing Cold Regions Network (CCRN) research in the interior of western Canada – Part A2: Future change in cryosphere, vegetation, and hydrology. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1849-1882.	4.9	20
30	Improving Hydrological Predictions in Peatlands. <i>Canadian Water Resources Journal</i> , 2009, 34, 467-478.	1.2	17
31	Use of geological weighing lysimeters to calibrate a distributed hydrological model for the simulation of land-atmosphere moisture exchange. <i>Journal of Hydrology</i> , 2010, 383, 179-185.	5.4	16
32	Ephemeral Ponds: Are They the Dominant Source of Depression-Focused Groundwater Recharge?. <i>Water Resources Research</i> , 2020, 56, e2019WR026640.	4.2	14
33	Water Level Changes in Ponds and Lakes: The Hydrological Processes. , 2007, , 311-339.		11
34	Review: Moisture loading – the hidden information in groundwater observation well records. <i>Hydrogeology Journal</i> , 2017, 25, 2225-2233.	2.1	10
35	Modeling the hydrogeochemistry of aquitards using minimally disturbed samples in radial diffusion cells. <i>Applied Geochemistry</i> , 2003, 18, 551-565.	3.0	8
36	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.	9.9	7

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37	Introduction to Peatlands Special Issue: Improving Hydrological Prediction in Canadian Peatlands. Canadian Water Resources Journal, 2009, 34, 303-310.	1.2	6
38	Measuring precipitation with a geolysimeter. Hydrology and Earth System Sciences, 2017, 21, 5263-5272.	4.9	6
39	Progress in Scientific Studies of Groundwater in the Hydrologic Cycle in Canada, 2003-2007. Canadian Water Resources Journal, 2009, 34, 177-186.	1.2	4
40	Modeling Groundwater-Soil-Plant-Atmosphere Exchanges in Fractured Porous Media. Procedia Environmental Sciences, 2013, 19, 321-330.	1.4	2
41	Water level changes in ponds and lakes: The hydrological processes. , 2021, , 321-351.		2