

Paul Bullock

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,678
citations

394421

19
h-index

289244

40
g-index

50
all docs

50
docs citations

50
times ranked

2146
citing authors

#	ARTICLE	IF	CITATIONS
1	Crop yield forecasting on the Canadian Prairies using MODIS NDVI data. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 385-393.	4.8	374
2	The Soil Moisture Active Passive Validation Experiment 2012 (SMAPVEX12): Prelaunch Calibration and Validation of the SMAP Soil Moisture Algorithms. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2784-2801.	6.3	206
3	Performance of the FAO AquaCrop model for wheat grain yield and soil moisture simulation in Western Canada. <i>Agricultural Water Management</i> , 2012, 110, 16-24.	5.6	112
4	Evaluation of several calibration procedures for a portable soil moisture sensor. <i>Journal of Hydrology</i> , 2013, 498, 335-344.	5.4	77
5	Calibration and Evaluation of a Frequency Domain Reflectometry Sensor for Real-time Soil Moisture Monitoring. <i>Vadose Zone Journal</i> , 2015, 14, 1-12.	2.2	61
6	Characterization and Summary of the 1999-2005 Canadian Prairie Drought. <i>Atmosphere - Ocean</i> , 2011, 49, 421-452.	1.6	59
7	Assessing SMAP Soil Moisture Scaling and Retrieval in the Carman (Canada) Study Site. <i>Vadose Zone Journal</i> , 2018, 17, 1-14.	2.2	59
8	Assessing indicators of agricultural drought impacts on spring wheat yield and quality on the Canadian prairies. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 399-410.	4.8	58
9	Persistent organic pollutants and mercury in the Himalaya. <i>Aquatic Ecosystem Health and Management</i> , 2005, 8, 223-233.	0.6	53
10	Comparison of high-resolution airborne soil moisture retrievals to SMAP soil moisture during the SMAP validation experiment 2016 (SMAPVEX16). <i>Remote Sensing of Environment</i> , 2019, 227, 137-150.	11.0	45
11	Genotypic and environmental variation in grain, flour, dough and bread-making characteristics of Western Canadian Spring Wheat. <i>Canadian Journal of Plant Science</i> , 2007, 87, 679-690.	0.9	40
12	Thermal time models for estimating wheat phenological development and weather-based relationships to wheat quality. <i>Canadian Journal of Plant Science</i> , 2009, 89, 429-439.	0.9	38
13	Prairie crop yield estimates from modelled phenological development and water use. <i>Canadian Journal of Plant Science</i> , 1994, 74, 429-436.	0.9	36
14	Laboratory and field evaluation of five soil water sensors. <i>Canadian Journal of Soil Science</i> , 2004, 84, 431-438.	1.2	36
15	Field Performance of Five Soil Moisture Instruments in Heavy Clay Soils. <i>Soil Science Society of America Journal</i> , 2015, 79, 20-29.	2.2	31
16	Estimating canola (<i>Brassica napus</i> L.) yield potential using an active optical sensor. <i>Canadian Journal of Plant Science</i> , 2009, 89, 1149-1160.	0.9	28
17	Impact of soil surface characteristics on soil water content variability in agricultural fields. <i>Hydrological Processes</i> , 2014, 28, 4340-4351.	2.6	28
18	GROUNDWATER DISCHARGE FROM GLACIAL AND BEDROCK AQUIFERS AS A SOIL SALINIZATION FACTOR IN SASKATCHEWAN. <i>Canadian Journal of Soil Science</i> , 1985, 65, 749-768.	1.2	25

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19	Operational Estimates of Western Canadian Grain Production Using NOAA AVHRR LAC Data. Canadian Journal of Remote Sensing, 1992, 18, 23-28.	2.4	20
20	Potential Applications of RADARSAT Data to Agriculture and Hydrology. Canadian Journal of Remote Sensing, 1993, 19, 317-329.	2.4	20
21	Transformation of Fall-Banded Urea: Application Date, Landscape Position, and Fertilizer Additive Effects. Agronomy Journal, 2006, 98, 1460-1470.	1.8	20
22	Review: Microsite characteristics influencing weed seedling recruitment and implications for recruitment modeling. Canadian Journal of Plant Science, 2012, 92, 627-650.	0.9	20
23	Estimating vegetation water content during the Soil Moisture Active Passive Validation Experiment 2016. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	19
24	Models of growing season weather impacts on breadmaking quality of spring wheat from producer fields in western Canada. Journal of the Science of Food and Agriculture, 2008, 88, 2357-2370.	3.5	16
25	Quantifying cropping practices in relation to inoculum levels of <i>Fusarium graminearum</i> on crop stubble. Plant Pathology, 2010, 59, 1107-1113.	2.4	16
26	Hydrothermal Modeling of Seedling Emergence Timing across Topography and Soil Depth. Agronomy Journal, 2012, 104, 423-436.	1.8	16
27	Long-term changes in heat and moisture related to corn production on the Canadian Prairies. Climatic Change, 2011, 104, 339-352.	3.6	15
28	Comparison of standard and actual crop evapotranspiration estimates derived from different evapotranspiration methods on the Canadian Prairies. Hydrological Processes, 2012, 26, 1467-1477.	2.6	15
29	Productivity and nitrogen benefits of late-season legume cover crops in organic wheat production. Canadian Journal of Plant Science, 2014, 94, 771-783.	0.9	14
30	Characterising the most critical climatic parameters that impact the quality of spring-wheat (Triticum) Tj ETQqO O O rgBT /Overlock 10 T Science, 2018, 81, 44-51.	3.7	11
31	Temporal transferability of soil moisture calibration equations. Journal of Hydrology, 2018, 556, 349-358.	5.4	11
32	Optical sensors have potential for determining nitrogen fertilizer topdressing requirements of canola in Saskatchewan. Canadian Journal of Plant Science, 2009, 89, 411-425.	0.9	10
33	Bromide redistribution as influenced by landscape morphology and pedogenic properties in a variable glacial till landscape: A qualitative examination. Canadian Journal of Soil Science, 2008, 88, 477-490.	1.2	9
34	Near-infrared spectroscopy for soil water determination in small soil volumes. Canadian Journal of Soil Science, 2004, 84, 333-338.	1.2	8
35	Modelling Soil Water Retention for Weed Seed Germination Sensitivity to Water Potential. Applied and Environmental Soil Science, 2012, 2012, 1-13.	1.7	7
36	Improvements to the accuracy of modelled soil water content from the Second Generation Prairie Agrometeorological Model. Canadian Journal of Soil Science, 2010, 90, 523-526.	1.2	6

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37	Modeling the Soil-Water Retention Characteristic With Pedotransfer Functions for Shallow Seedling Recruitment. <i>Soil Science</i> , 2011, 176, 57-72.	0.9	6
38	Off-Stream Watering Systems and Partial Barriers as a Strategy to Maximize Cattle Production and Minimize Time Spent in the Riparian Area. <i>Animals</i> , 2014, 4, 670-692.	2.3	6
39	Process-based modeling of temperature and water profiles in the seedling recruitment zone: Part II. Seedling emergence timing. <i>Agricultural and Forest Meteorology</i> , 2014, 188, 104-120.	4.8	6
40	Process-based modeling of temperature and water profiles in the seedling recruitment zone: Part I. Model validation. <i>Agricultural and Forest Meteorology</i> , 2014, 188, 89-103.	4.8	6
41	Testing the suitability of thermal time models for forecasting spring wheat phenological development in western Canada. <i>Canadian Journal of Plant Science</i> , 2016, 96, 765-775.	0.9	6
42	Long-term solute redistribution in relation to landscape morphology and soil distribution in a variable glacial till landscape. <i>Canadian Journal of Soil Science</i> , 2006, 86, 827-840.	1.2	5
43	Subsurface drainage for promoting soil strength for field operations in southern Manitoba. <i>Soil and Tillage Research</i> , 2018, 184, 261-268.	5.6	5
44	Bromide redistribution as influenced by landscape morphology and pedogenic properties in a variable glacial till landscape: A quantitative examination. <i>Canadian Journal of Soil Science</i> , 2008, 88, 491-499.	1.2	4
45	Interactive Effects of Landscape Position and Time of Application on the Response of Spring Wheat to Fall-Banded Urea. <i>Agronomy Journal</i> , 2008, 100, 557-563.	1.8	4
46	Stubble management effects on canola performance across different climatic regions of western Canada. <i>Canadian Journal of Plant Science</i> , 2015, 95, 149-159.	0.9	3
47	Importance of soil organic carbon in near-surface soil water content estimation: A simple model comparison in dry-end Canadian Prairie soils. <i>Canadian Water Resources Journal</i> , 2017, 42, 364-377.	1.2	3
48	Field calibration of an impedance soil water probe for the shallow seedbed across field topography. <i>Soil Use and Management</i> , 2007, 23, 262-268.	4.9	2
49	Protecting Water Quality Using Controlled Drainage as an Agricultural BMP for Potato Production. <i>Transactions of the ASABE</i> , 2014, , 815-826.	1.1	2
50	Seepage scald in southeastern Australia. <i>Applied Geography</i> , 1991, 11, 59-81.	3.7	1