

David A Lobb

List of Publications by Year in Descending Order

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

58
papers

1,837
citations

26
h-index

42
g-index

61
ext. papers

2,103
ext. citations

4.5
avg, IF

4.8
L-index

#	Paper	IF	Citations
58	Seasonal Changes in Phosphorus in Soils and Vegetation of Vegetated Filter Strips in Cold Climate Agricultural Systems. <i>Agriculture (Switzerland)</i> , 2022 , 12, 233	3	1
57	Assessment of the effects of land rolling on wind erosion and crop growth in soybean production in the Red River Valley, Canada. <i>Soil and Tillage Research</i> , 2022 , 222, 105439	6.5	1
56	An Overview of Crop and Crop Residue Management Impacts on Crop Water Use and Runoff in the Canadian Prairies. <i>Water (Switzerland)</i> , 2021 , 13, 2929	3	4
55	Phosphorus runoff from Canadian agricultural land: A cross-region synthesis of edge-of-field results. <i>Agricultural Water Management</i> , 2021 , 255, 107030	5.9	3
54	A plot study on the effects of water eroded channels on tillage translocation. <i>Soil and Tillage Research</i> , 2021 , 213, 105118	6.5	
53	Evaluation of high-flow rate continuous-flow centrifugation and filtration devices for sampling and concentrating fine-grained suspended sediment. <i>Hydrological Processes</i> , 2020 , 34, 3882-3893	3.3	1
52	Determination of sediment sources in a mixed watershed within the Appalachian-St. Lawrence Lowland Regions of southern Quebec using sediment fingerprinting. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 603	3.1	0
51	Comparison of sampling designs for sediment source fingerprinting in an agricultural watershed in Atlantic Canada. <i>Journal of Soils and Sediments</i> , 2019 , 19, 3302-3318	3.4	7
50	Soil and water management: opportunities to mitigate nutrient losses to surface waters in the Northern Great Plains. <i>Environmental Reviews</i> , 2019 , 27, 447-477	4.5	30
49	Meteoric Beryllium-10 as a Tracer of Erosion Due to Postsettlement Land Use in West-Central Minnesota, USA. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019 , 124, 874-901	3.8	11
48	Effectiveness of Vegetated Buffer Strips in Controlling Legacy Phosphorus Exports from Agricultural Land. <i>Journal of Environmental Quality</i> , 2019 , 48, 314-321	3.4	11
47	Assessment of particle size and organic matter correction factors in sediment source fingerprinting investigations: An example of two contrasting watersheds in Canada. <i>Geoderma</i> , 2018 , 325, 195-207	6.7	19
46	A deconvolutional Bayesian mixing model approach for river basin sediment source apportionment. <i>Scientific Reports</i> , 2018 , 8, 13073	4.9	37
45	Phosphorus dynamics in vegetated buffer strips in cold climates: a review. <i>Environmental Reviews</i> , 2018 , 26, 255-272	4.5	33
44	Using colour, shape and radionuclide fingerprints to identify sources of sediment in an agricultural watershed in Atlantic Canada. <i>Canadian Water Resources Journal</i> , 2018 , 43, 347-365	1.7	7
43	The role of soil surface properties on the particle size and carbon selectivity of interrill erosion in agricultural landscapes. <i>Catena</i> , 2017 , 153, 194-206	5.8	55
42	Changes in runoff chemistry and soil fertility after multiple years of cattle winter bale feeding on annual cropland on the Canadian prairies. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 240, 1-13	5.7	10

41	Inferring soil water movement and streamflow response in Canadian Prairie riparian areas using hydrologic state variables. <i>Hydrological Processes</i> , 2017 , 31, 3765-3782	3.3	
40	Sources and accumulation of sediment and particulate organic carbon in a subarctic fjord estuary: ²¹⁰ Pb, ¹³⁷ Cs, and ¹³ C records from Lake Melville, Labrador. <i>Canadian Journal of Earth Sciences</i> , 2017 , 54, 993-1006	1.5	3
39	Uncertainty and Sensitivity Analyses of the Modified Wind Erosion Equation for Application in Canada. <i>Land Degradation and Development</i> , 2017 , 28, 2298-2307	4.4	2
38	Uncertainties in vegetated buffer strip function in controlling phosphorus export from agricultural land in the Canadian prairies. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18372-18382	5.1	9
37	Sources of variability in fatty acid (FA) biomarkers in the application of compound-specific stable isotopes (CSSIs) to soil and sediment fingerprinting and tracing: A review. <i>Science of the Total Environment</i> , 2016 , 565, 8-27	10.2	65
36	Fingerprinting and tracing the sources of soils and sediments: Earth and ocean science, geochronological, forensic, and human health applications. <i>Earth-Science Reviews</i> , 2016 , 162, 1-23	10.2	130
35	The role of gravel channel beds on the particle size and organic matter selectivity of transported fine-grained sediment: implications for sediment fingerprinting and biogeochemical flux research. <i>Journal of Soils and Sediments</i> , 2015 , 15, 2174-2188	3.4	25
34	A few twists and turns on the road to soil health. <i>Crops & Soils</i> , 2015 , 48, 31-33	0.3	
33	Selecting Color-based Tracers and Classifying Sediment Sources in the Assessment of Sediment Dynamics Using Sediment Source Fingerprinting. <i>Journal of Environmental Quality</i> , 2015 , 44, 1605-16	3.4	28
32	Alternative transformations of nitrous oxide soil flux data to normal distributions. <i>Canadian Journal of Soil Science</i> , 2014 , 94, 105-108	1.4	11
31	Nutrient and sediment losses in snowmelt runoff from perennial forage and annual cropland in the Canadian prairies. <i>Journal of Environmental Quality</i> , 2014 , 43, 1644-55	3.4	40
30	Conversion of Conservation Tillage to Rotational Tillage to Reduce Phosphorus Losses during Snowmelt Runoff in the Canadian Prairies. <i>Journal of Environmental Quality</i> , 2014 , 43, 1679-89	3.4	27
29	Investigating the role of connectivity and scale in assessing the sources of sediment in an agricultural watershed in the Canadian prairies using sediment source fingerprinting. <i>Journal of Soils and Sediments</i> , 2013 , 13, 1676-1691	3.4	78
28	The behavioural characteristics of sediment properties and their implications for sediment fingerprinting as an approach for identifying sediment sources in river basins. <i>Earth-Science Reviews</i> , 2013 , 125, 24-42	10.2	235
27	Critical factors affecting field-scale losses of nitrogen and phosphorus in spring snowmelt runoff in the Canadian prairies. <i>Journal of Environmental Quality</i> , 2013 , 42, 484-96	3.4	53
26	Fallout radionuclide-based techniques for assessing the impact of soil conservation measures on erosion control and soil quality: an overview of the main lessons learnt under an FAO/IAEA Coordinated Research Project. <i>Journal of Environmental Radioactivity</i> , 2012 , 107, 78-85	2.4	32
25	Solute transport in a hummocky landscape: I. Two-dimensional redistribution of bromide. <i>Canadian Journal of Soil Science</i> , 2012 , 92, 609-629	1.4	6
24	Soil C erosion and burial in cropland. <i>Global Change Biology</i> , 2012 , 18, 1441-1452	11.4	61

23	Comparing the use of the traditional and repeated-sampling-approach of the ^{137}Cs technique in soil erosion estimation. <i>Geoderma</i> , 2011 , 160, 324-335	6.7	25
22	Lidar DEM error analyses and topographic depression identification in a hummocky landscape in the prairie region of Canada. <i>Geomorphology</i> , 2011 , 129, 263-275	4.3	48
21	The effects of multiple beneficial management practices on hydrology and nutrient losses in a small watershed in the Canadian prairies. <i>Journal of Environmental Quality</i> , 2011 , 40, 1627-42	3.4	34
20	Probability distribution functions for short-term daily nitrous oxide fluxes in a prairie pothole agricultural landscape in western Canada. <i>Canadian Journal of Soil Science</i> , 2011 , 91, 303-307	1.4	2
19	Extracting topographic characteristics of landforms typical of Canadian agricultural landscapes for agri-environmental modeling. I. Methodology. <i>Canadian Journal of Soil Science</i> , 2011 , 91, 251-266	1.4	1
18	Global Prospects Rooted in Soil Science. <i>Soil Science Society of America Journal</i> , 2011 , 75, 1-8	2.5	45
17	Conventional and conservation tillage: influence on seasonal runoff, sediment, and nutrient losses in the Canadian Prairies. <i>Journal of Environmental Quality</i> , 2010 , 39, 964-80	3.4	147
16	Selecting and applying cesium-137 conversion models to estimate soil erosion rates in cultivated fields. <i>Journal of Environmental Quality</i> , 2010 , 39, 204-19	3.4	18
15	Pattern of greenhouse gas emission from a Prairie Pothole agricultural landscape in Manitoba, Canada. <i>Canadian Journal of Soil Science</i> , 2010 , 90, 243-256	1.4	41
14	Modeling tillage-induced morphological features in cultivated landscapes. <i>Soil and Tillage Research</i> , 2009 , 103, 33-45	6.5	13
13	Variations in soil properties and herbicide sorption coefficients with depth in relation to PRZM (pesticide root zone model) calculations. <i>Geoderma</i> , 2009 , 150, 267-277	6.7	35
12	Using repeated measurements of ^{137}Cs and modelling to identify spatial patterns of tillage and water erosion within potato production in Atlantic Canada. <i>Geoderma</i> , 2009 , 153, 104-118	6.7	30
11	Modeling Tillage-Induced Redistribution of Soil Mass and Its Constituents within Different Landscapes. <i>Soil Science Society of America Journal</i> , 2008 , 72, 167-179	2.5	24
10	Herbicide sorption coefficients in relation to soil properties and terrain attributes on a cultivated prairie. <i>Journal of Environmental Quality</i> , 2008 , 37, 1201-8	3.4	26
9	Characterization of soil surface properties following disturbance of a clay soil in southern Manitoba. <i>Soil and Tillage Research</i> , 2008 , 100, 99-107	6.5	3
8	Tillage translocation and tillage erosion in cereal-based production in Manitoba, Canada. <i>Soil and Tillage Research</i> , 2007 , 94, 164-182	6.5	48
7	Importance of information on tillage practices in the modelling of environmental processes and in the use of environmental indicators. <i>Journal of Environmental Management</i> , 2007 , 82, 377-87	7.9	27
6	The Canon of Potato Science: 30. Tillage Erosion within Potato Production [Soil Tillage, Earthing Up and Planting. <i>Potato Research</i> , 2007 , 50, 327-330	3.2	5

5	Tillage and water erosion on different landscapes in the northern North American Great Plains evaluated using ¹³⁷ Cs technique and soil erosion models. <i>Catena</i> , 2007 , 70, 493-505	5.8	67
4	Soil Movement resulting from Sweep Type Liquid Manure Injection Tools. <i>Biosystems Engineering</i> , 2005 , 91, 379-392	4.8	18
3	Tillage translocation and tillage erosion in the complex upland landscapes of southwestern Ontario, Canada ¹ Paper presented at International Symposium on Tillage Translocation and Tillage Erosion held in conjunction with the 52nd Annual Conference of the Soil and Water Conservation Society, Toronto, Canada, 24-25 July 1997. <i>Soil and Tillage Research</i> , 1999 , 51, 189-209	6.5	75
2	Modelling tillage erosion in the topographically complex landscapes of southwestern Ontario, Canada. <i>Soil and Tillage Research</i> , 1999 , 51, 261-277	6.5	45
1	Modelling tillage translocation using step, linear-plateau and exponential functions. <i>Soil and Tillage Research</i> , 1999 , 51, 317-330	6.5	25