

Olaf Berke

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,997
citations

236612

25
h-index

344852

36
g-index

115
all docs

115
docs citations

115
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploratory disease mapping: kriging the spatial risk function from regional count data. , 2004, 3, 18.		122
2	Weather, Water Quality and Infectious Gastrointestinal Illness in Two Inuit Communities in Nunatsiavut, Canada: Potential Implications for Climate Change. EcoHealth, 2011, 8, 93-108.	0.9	103
3	Spatial distributions of male and female strawberry poison frogs and their relation to female reproductive resources. Oecologia, 2001, 129, 534-542.	0.9	74
4	Risk factors for <i>Campylobacter</i> spp. colonization in broiler flocks in Iceland. Preventive Veterinary Medicine, 2006, 74, 264-278.	0.7	66
5	Spatial relationship between <i>Mycobacterium bovis</i> strains in cattle and badgers in four areas in Ireland. Preventive Veterinary Medicine, 2005, 71, 57-70.	0.7	53
6	Risk factors for disclosure of additional tuberculous cattle in attested-clear herds that had one animal with a confirmed lesion of tuberculosis at slaughter during 2003 in Ireland. Preventive Veterinary Medicine, 2008, 85, 81-91.	0.7	50
7	From explanation to prediction: A model for recurrent bovine tuberculosis in Irish cattle herds. Preventive Veterinary Medicine, 2010, 94, 170-177.	0.7	50
8	A farm-level study of risk factors associated with the colonization of broiler flocks with <i>Campylobacter</i> spp. in Iceland, 2001 – 2004. Acta Veterinaria Scandinavica, 2007, 49, 18.	0.5	48
9	Targeted badger removal and the subsequent risk of bovine tuberculosis in cattle herds in county Laois, Ireland. Preventive Veterinary Medicine, 2009, 88, 178-184.	0.7	46
10	<i>Echinococcus multilocularis</i> Infection, Southern Ontario, Canada. Emerging Infectious Diseases, 2019, 25, 265-272.	2.0	46
11	Factors associated with whole carcass condemnation rates in provincially-inspected abattoirs in Ontario 2001-2007: implications for food animal syndromic surveillance. BMC Veterinary Research, 2010, 6, 42.	0.7	42
12	Genetic parameters for producer-recorded health data in Canadian Holstein cattle. Animal, 2012, 6, 571-578.	1.3	41
13	Choropleth mapping of regional count data of <i>Echinococcus multilocularis</i> among red foxes in Lower Saxony, Germany. Preventive Veterinary Medicine, 2001, 52, 119-131.	0.7	40
14	Heat stress related dairy cow mortality during heat waves and control periods in rural Southern Ontario from 2010–2012. BMC Veterinary Research, 2015, 11, 291.	0.7	40
15	Exploratory spatial relative risk mapping. Preventive Veterinary Medicine, 2005, 71, 173-182.	0.7	39
16	Emergence of <i>Echinococcus multilocularis</i> among Red Foxes in northern Germany, 1991–2005. Veterinary Parasitology, 2008, 155, 319-322.	0.7	39
17	The risk of a positive test for bovine tuberculosis in cattle purchased from herds with and without a recent history of bovine tuberculosis in Ireland. Preventive Veterinary Medicine, 2009, 92, 99-105.	0.7	37
18	The identification and epidemiology of methicillin-resistant <i>Staphylococcus aureus</i> and <i>Clostridium difficile</i> in patient rooms and the ward environment. BMC Infectious Diseases, 2013, 13, 342.	1.3	35

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19	Comparison of risk factors for seropositivity to feline immunodeficiency virus and feline leukemia virus among cats: a case-case study. <i>BMC Veterinary Research</i> , 2015, 11, 30.	0.7	34
20	How to choose geographical units in ecological studies: Proposal and application to campylobacteriosis. <i>Spatial and Spatio-temporal Epidemiology</i> , 2013, 7, 11-24.	0.9	32
21	Nuisances and welfare of free-roaming cats in urban settings and their association with cat reproduction. <i>Preventive Veterinary Medicine</i> , 2015, 119, 203-210.	0.7	32
22	Specific immunotypes of canine T cell lymphoma are associated with different outcomes. <i>Veterinary Immunology and Immunopathology</i> , 2017, 191, 5-13.	0.5	32
23	An analysis of the relationship between bulk tank milk quality and wash water quality on dairy farms in Ontario, Canada. <i>Journal of Dairy Science</i> , 2009, 92, 3714-3722.	1.4	29
24	Risk factors affecting length of stay of cats in an animal shelter: A case study at the Guelph Humane Society, 2011–2016. <i>Preventive Veterinary Medicine</i> , 2017, 148, 44-48.	0.7	29
25	A prospective study to examine the epidemiology of methicillin-resistant <i>Staphylococcus aureus</i> and <i>Clostridium difficile</i> contamination in the general environment of three community hospitals in southern Ontario, Canada. <i>BMC Infectious Diseases</i> , 2012, 12, 290.	1.3	28
26	Spatial prediction of the intensity of latent effects governing hydrogeological phenomena. <i>Environmetrics</i> , 1999, 10, 633-654.	0.6	27
27	Current status of canine cancer registration – report from an international workshop. <i>Veterinary and Comparative Oncology</i> , 2012, 10, 95-101.	0.8	26
28	Spatial Analysis of Sleeping Sickness, Southeastern Uganda, 1970–2003. <i>Emerging Infectious Diseases</i> , 2006, 12, 813-820.	2.0	26
29	Temperature-related risk factors associated with the colonization of broiler-chicken flocks with <i>Campylobacter</i> spp. in Iceland, 2001–2004. <i>Preventive Veterinary Medicine</i> , 2008, 86, 14-29.	0.7	25
30	Estimation and Prediction in the Spatial Linear Model. <i>Water, Air, and Soil Pollution</i> , 1999, 110, 215-237.	1.1	24
31	Changing climate in Hungary and trends in the annual number of heat stress days. <i>International Journal of Biometeorology</i> , 2010, 54, 423-431.	1.3	23
32	Do patients with recurrent episodes of campylobacteriosis differ from those with a single disease event?. <i>BMC Public Health</i> , 2011, 11, 32.	1.2	19
33	Environmental characteristics associated with campylobacteriosis: accounting for the effect of age and season. <i>Epidemiology and Infection</i> , 2012, 140, 311-322.	1.0	19
34	Comparison of the geographical distribution of feline immunodeficiency virus and feline leukemia virus infections in the United States of America (2000–2011). <i>BMC Veterinary Research</i> , 2013, 9, 2.	0.7	19
35	Prevalence and risk factors for foot and mouth disease infection in small ruminants in Israel. <i>Preventive Veterinary Medicine</i> , 2016, 125, 82-88.	0.7	19
36	Spatial Relative Risk Mapping of Pseudorabies-Seropositive Pig Herds in an Animal-Dense Region. <i>Zoonoses and Public Health</i> , 2003, 50, 322-325.	1.4	18

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37	A spatial and temporal analysis of notifiable gastrointestinal illness in the Northwest Territories, Canada, 1991-2008. <i>International Journal of Health Geographics</i> , 2012, 11, 17.	1.2	18
38	A Description of Laying Hen Husbandry and Management Practices in Canada. <i>Animals</i> , 2018, 8, 114.	1.0	18
39	Investigating the spatial risk distribution of West Nile virus disease in birds and humans in southern Ontario from 2002 to 2005. <i>Population Health Metrics</i> , 2007, 5, 3.	1.3	17
40	Suitability of bovine portion condemnations at provincially-inspected abattoirs in Ontario Canada for food animal syndromic surveillance. <i>BMC Veterinary Research</i> , 2012, 8, 88.	0.7	17
41	Environmental and demographic risk factors for campylobacteriosis: do various geographical scales tell the same story?. <i>BMC Infectious Diseases</i> , 2012, 12, 318.	1.3	17
42	A spatial analysis of heat stress related emergency room visits in rural Southern Ontario during heat waves. <i>BMC Emergency Medicine</i> , 2015, 15, 17.	0.7	17
43	House-level risk factors associated with the colonization of broiler flocks with <i>Campylobacter</i> spp. in Iceland, 2001 – 2004. <i>BMC Veterinary Research</i> , 2007, 3, 30.	0.7	16
44	Exploring relationships between whole carcass condemnation abattoir data, non-disease factors and disease outbreaks in swine herds in Ontario (2001–2007). <i>BMC Research Notes</i> , 2014, 7, 185.	0.6	16
45	A cross-sectional study on feather cover damage in Canadian laying hens in non-cage housing systems. <i>BMC Veterinary Research</i> , 2019, 15, 435.	0.7	16
46	Suitability and limitations of portion-specific abattoir data as part of an early warning system for emerging diseases of swine in Ontario. <i>BMC Veterinary Research</i> , 2012, 8, 3.	0.7	15
47	Antimicrobial Resistance in <i>Campylobacter</i> spp. Isolated from Ontario Sheep Flocks and Associations between Antimicrobial use and Antimicrobial Resistance. <i>Zoonoses and Public Health</i> , 2012, 59, 294-301.	0.9	15
48	Development of a Scoring System to Assess Feather Damage in Canadian Laying Hen Flocks. <i>Animals</i> , 2019, 9, 436.	1.0	15
49	Reduction of free-roaming cat population requires high-intensity neutering in spatial contiguity to mitigate compensatory effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119000119.	3.3	15
50	Modified median polish kriging and its application to the Wolfcamp-Aquifer data. <i>Environmetrics</i> , 2001, 12, 731-748.	0.6	14
51	Predicting Geographical Human Risk of West Nile Virus—Saskatchewan, 2003 and 2007. <i>Canadian Journal of Public Health</i> , 2009, 100, 344-348.	1.1	13
52	A descriptive analysis of the spatio-temporal distribution of enteric diseases in New Brunswick, Canada. <i>BMC Public Health</i> , 2016, 16, 204.	1.2	13
53	An Investigation of Associations Between Management and Feather Damage in Canadian Laying Hens Housed in Furnished Cages. <i>Animals</i> , 2019, 9, 135.	1.0	13
54	On spatiotemporal prediction for on-line monitoring data. <i>Communications in Statistics - Theory and Methods</i> , 1998, 27, 2343-2369.	0.6	11

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55	Quantifying badger exposure and the risk of bovine tuberculosis for cattle herds in county Kilkenny, Ireland. <i>Preventive Veterinary Medicine</i> , 2006, 75, 34-46.	0.7	11
56	On the effect of diagnostic misclassification bias on the observed spatial pattern in regional count data – A case study using West Nile virus mortality data from Ontario, 2005. <i>Spatial and Spatio-temporal Epidemiology</i> , 2010, 1, 117-122.	0.9	11
57	Comparison of covariate adjustment methods using space-time scan statistics for food animal syndromic surveillance. <i>BMC Veterinary Research</i> , 2013, 9, 231.	0.7	11
58	Suitability of sentinel abattoirs for syndromic surveillance using provincially inspected bovine abattoir condemnation data. <i>BMC Veterinary Research</i> , 2015, 11, 37.	0.7	11
59	Epidemiology of canine heartworm (<i>Dirofilaria immitis</i>) infection in domestic dogs in Ontario, Canada: Geographic distribution, risk factors and effects of climate. <i>Geospatial Health</i> , 2019, 14, .	0.3	11
60	Experience-dependent recapture rates and reproductive success in male grey mouse lemurs (<i>Microcebus murinus</i>). <i>American Journal of Physical Anthropology</i> , 2007, 133, 743-752.	2.1	10
61	Spread of porcine circovirus associated disease (PCVAD) in Ontario (Canada) swine herds: Part I. Exploratory spatial analysis. <i>BMC Veterinary Research</i> , 2010, 6, 59.	0.7	10
62	Detection of <i>Clostridium difficile</i> infection clusters, using the temporal scan statistic, in a community hospital in southern Ontario, Canada, 2006–2011. <i>BMC Infectious Diseases</i> , 2014, 14, 254.	1.3	9
63	Spatial risk assessment of herd sero-status of Aujeszky's disease in a county in Hungary. <i>Preventive Veterinary Medicine</i> , 2004, 65, 9-16.	0.7	8
64	Detection of spatial, temporal and space-time <i>Salmonella</i> Heidelberg and <i>Salmonella</i> Typhimurium clusters in Ontario in 2015, and comparisons to known outbreaks. <i>Zoonoses and Public Health</i> , 2020, 67, 617-628.	0.9	8
65	The identification of risk factors contributing to accidental opioid poisonings in companion dogs using data from a North American poison control center (2006-2014). <i>PLoS ONE</i> , 2020, 15, e0227701.	1.1	8
66	The impact of state cannabis legislation, county-level socioeconomic and dog-level characteristics on reported cannabis poisonings of companion dogs in the USA (2009–2014). <i>PLoS ONE</i> , 2021, 16, e0250323.	1.1	8
67	Spatial analysis of an anthrax outbreak in Saskatchewan, 2006. <i>Canadian Veterinary Journal</i> , 2010, 51, 743-8.	0.0	8
68	Sleeping Sickness in Southeastern Uganda: A Spatio-Temporal Analysis of Disease Risk, 1970–2003. <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 977-988.	0.6	7
69	An Evaluation of Rabies Vaccination Rates among Canines and Felines Involved in Biting Incidents within the Wellington-Dufferin-Guelph Public Health Department. <i>Zoonoses and Public Health</i> , 2014, 61, 499-508.	0.9	7
70	Spatial analysis of <i>Leptospira</i> infection in muskrats in Lower Saxony, Germany, and the association with human leptospirosis. <i>Research in Veterinary Science</i> , 2017, 114, 351-354.	0.9	7
71	Housing and Management Practices on 33 Pullet Farms in Canada. <i>Animals</i> , 2019, 9, 49.	1.0	7
72	Companion animal exposures to potentially poisonous substances reported to a national poison control center in the United States in 2005 through 2014. <i>Journal of the American Veterinary Medical Association</i> , 2020, 257, 517-530.	0.2	7

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73	The use of the temporal scan statistic to detect methicillin-resistant <i>Staphylococcus aureus</i> clusters in a community hospital. <i>BMC Infectious Diseases</i> , 2014, 14, 375.	1.3	6
74	A comparison of West Nile virus surveillance using survival analyses of dead corvid and mosquito pool data in Ontario, 2002–2008. <i>Preventive Veterinary Medicine</i> , 2015, 122, 363-370.	0.7	6
75	Prevalence and risk factors for foot and mouth disease infection in cattle in Israel. <i>Preventive Veterinary Medicine</i> , 2016, 130, 51-59.	0.7	6
76	Evaluation of the SNAP® 4Dx® plus test for the detection of <i>Dirofilaria immitis</i> antigen and characterization of exposure to tick-borne pathogens in wild canids in southern Ontario. <i>Veterinary Parasitology</i> , 2020, 283, 109176.	0.7	6
77	Zika virus outbreak in Brazil under current and future climate. <i>Epidemics</i> , 2021, 37, 100491.	1.5	6
78	Good times bad times: Automated forecasting of seasonal cryptosporidiosis in Ontario using machine learning. <i>Canada Communicable Disease Report</i> , 2020, 46, 192-197.	0.6	6
79	A case study of bovine tuberculosis in an area of County Donegal, Ireland. <i>Irish Veterinary Journal</i> , 2006, 59, 683-90.	0.8	5
80	Mapping rural community and dairy cow heat stress in Southern Ontario: A common geographic pattern from 2010 to 2012. <i>Archives of Environmental and Occupational Health</i> , 2016, 71, 199-207.	0.7	5
81	Analysis of the Association of Climate, Weather and Herd Immunity with the Spread of Equine Encephalosis Virus in Horses in Israel. <i>Transboundary and Emerging Diseases</i> , 2017, 64, 593-602.	1.3	5
82	Effect of Capacity for Care on cat admission trends at the Guelph Humane Society, 2011–2015. <i>Journal of Applied Animal Welfare Science</i> , 2018, 21, 283-294.	0.4	5
83	Prevalence and distribution of <i>Dirofilaria immitis</i> infection in wild canids in southern Ontario. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2019, 18, 100349.	0.3	5
84	The Influence of Sociodemographic Factors on the Engagement of Citizens in the Detection of Dead Corvids During the Emergence of West Nile Virus in Ontario, Canada. <i>Frontiers in Veterinary Science</i> , 2019, 6, 483.	0.9	5
85	Predictive risk mapping of West Nile virus (WNV) infection in Saskatchewan horses. <i>Canadian Journal of Veterinary Research</i> , 2011, 75, 161-70.	0.2	5
86	Perceptions of community cats and preferences for their management in Guelph, Ontario. Part I: A quantitative analysis. <i>Canadian Veterinary Journal</i> , 2019, 60, 41-47.	0.0	5
87	Evaluation of the prevalence of <i>Echinococcus multilocularis</i> in dogs that visit off-leash dog parks in southern Ontario, Canada. <i>Zoonoses and Public Health</i> , 2021, 68, 533-537.	0.9	4
88	Factors associated with <i>Echinococcus multilocularis</i> infection in coyotes in southern Ontario. <i>Zoonoses and Public Health</i> , 2020, 67, 546-553.	0.9	4
89	Detection of spatial and spatio-temporal <i>Salmonella</i> Heidelberg and <i>Salmonella</i> Typhimurium human case clusters focused around licensed abattoirs in Ontario in 2015, and their potential relation to known outbreaks. <i>Zoonoses and Public Health</i> , 2021, 68, 609-621.	0.9	4
90	Yellow fever virus outbreak in Brazil under current and future climate. <i>Infectious Disease Modelling</i> , 2021, 6, 664-677.	1.2	4

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91	Spatial epidemiological analysis of Lyme disease in southern Ontario utilizing Google Trends searches. <i>Environmental Health Review</i> , 2021, 64, 105-110.	0.7	4
92	Spread of porcine circovirus associated disease (PCVAD) in Ontario (Canada) swine herds: Part II. Matched case-control study. <i>BMC Veterinary Research</i> , 2010, 6, 58.	0.7	3
93	A geographic study of West Nile virus in humans, dead corvids and mosquitoes in Ontario using spatial scan statistics with a survival time application. <i>Zoonoses and Public Health</i> , 2017, 64, e81-e89.	0.9	3
94	Evaluation of the Control of West Nile Virus in Ontario: Did Risk Patterns Change from 2005 to 2012?. <i>Zoonoses and Public Health</i> , 2017, 64, 100-105.	0.9	3
95	Exploring the geographical distribution of cryptosporidiosis in the cattle population of Southern Ontario, Canada, 2011-2014. <i>Geospatial Health</i> , 2019, 14, .	0.3	3
96	A caseâ€“case study comparing the individual risk factors and symptomatology of Salmonella Heidelberg and Salmonella Typhimurium in Ontario in 2015, following implementation of the Ontario Investigation Tools. <i>Zoonoses and Public Health</i> , 2020, 67, 484-495.	0.9	2
97	Perceptions of community cats and preferences for their management in Guelph, Ontario. Part II: A qualitative analysis. <i>Canadian Veterinary Journal</i> , 2019, 60, 48-54.	0.0	2
98	Heartworm infection in domestic dogs in Canada, 1977-2016: Prevalence, time trend, and efficacy of prophylaxis. <i>Canadian Veterinary Journal</i> , 2019, 60, 605-612.	0.0	2
99	Sporadic SARS-CoV-2 cases at the neighbourhood level in Toronto, Ontario, 2020: a spatial analysis of the early pandemic period. <i>CMAJ Open</i> , 2022, 10, E190-E195.	1.1	2
100	Disparities in Spatial Prevalence of Feline Retroviruses due to Data Aggregation: A Case of the Modifiable Areal Unit Problem. <i>Journal of Veterinary Medicine</i> , 2014, 2014, 1-11.	1.6	1
101	Investigation of the occurrence of <i>Angiostrongylus vasorum</i> in coyotes in southern Ontario, Canada. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 664-669.	0.5	1
102	Celebration day: 400th birthday of John Graunt, citizen scientist of London. <i>Environmental Health Review</i> , 2020, 63, 67-69.	0.7	1
103	Mapping the Population Density of Managed Honey Bee (<i>Apis Mellifera</i>) Colonies in Ontario, Canada: 2018. <i>Journal of Apicultural Science</i> , 2021, 65, 303-314.	0.1	1
104	A Primer of Ecological Statistics by H.J. Gotelli and A.M. Ellison. <i>Biometrics</i> , 2006, 62, 308-308.	0.8	0
105	GEOVET 2013: Geospatial analysis in veterinary epidemiology and preventive medicine. <i>Preventive Veterinary Medicine</i> , 2014, 114, 1-2.	0.7	0
106	Projected Changes in Reportable Enteric Disease Incidence in New Brunswick, Canada in Response to Changes in Temperature, Precipitation and Snow Depth. <i>Epidemiology</i> , 2009, 20, S140.	1.2	0
107	Exploring the geographical distribution of human cryptosporidiosis in Southern Ontario from 2011 to 2014. <i>Zoonoses and Public Health</i> , 2022, , .	0.9	0
108	Spatial, temporal, and space-time clusters associated with opioid and cannabis poisoning events in U.S. dogs (2005â€“2014). <i>PLoS ONE</i> , 2022, 17, e0266883.	1.1	0

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109	Rudolf Virchowâ€™The epic. Environmental Health Review, 2022, 65, 37-39.	0.7	0