

Andrew W Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,353
citations

377584

21
h-index

299063

42
g-index

93
all docs

93
docs citations

93
times ranked

3058
citing authors

#	ARTICLE	IF	CITATIONS
1	Is there an association between road building and bovine tuberculosis herd risk? A three time-point study in Ireland, 2011â€“2019. Preventive Veterinary Medicine, 2022, 198, 105542.	0.7	6
2	Engaging With Farmers to Explore Correlates of Bovine Tuberculosis Risk in an Internationally Important Heritage Landscape: The Burren, in the West of Ireland. Frontiers in Veterinary Science, 2022, 9, 791661.	0.9	3
3	Rabbit Haemorrhagic Disease Virus 2 (RHDV2; GI.2) in Ireland Focusing on Wild Irish Hares (Lepus Tj ETQq1 1 0.784314 rgBT /Overlo 288.	1.2	1
4	Investigating Farm Fragmentation as a Risk Factor for Bovine Tuberculosis in Cattle Herds: A Matched Case-Control Study from Northern Ireland. Pathogens, 2022, 11, 299.	1.2	4
5	Quantifying Land Fragmentation in Northern Irish Cattle Enterprises. Land, 2022, 11, 402.	1.2	9
6	BVD seroprevalence in the Irish cattle population as the national BVD programme progresses toward eradication. BMC Veterinary Research, 2022, 18, .	0.7	3
7	Habitat availability alters the relative risk of a bovine tuberculosis breakdown in the aftermath of a commercial forest clearfell disturbance. Journal of Applied Ecology, 2022, 59, 2333-2345.	1.9	8
8	Exploring the Opinions of Irish Dairy Farmers Regarding Male Dairy Calves. Frontiers in Veterinary Science, 2021, 8, 635565.	0.9	7
9	Serological test performance for bovine tuberculosis in cattle from herds with evidence of on-going infection in Northern Ireland. PLoS ONE, 2021, 16, e0245655.	1.1	14
10	Future Risk of Bovine Tuberculosis (Mycobacterium bovis) Breakdown in Cattle Herds 2013â€“2018: A Dominance Analysis Approach. Microorganisms, 2021, 9, 1004.	1.6	7
11	Relative infectiousness of asymptomatic SARS-CoV-2 infected persons compared with symptomatic individuals: a rapid scoping review. BMJ Open, 2021, 11, e042354.	0.8	48
12	Exploring the Opinions of Irish Beef Farmers Regarding Dairy Beef Integration. Frontiers in Veterinary Science, 2021, 8, 660061.	0.9	5
13	Presymptomatic transmission of SARS-CoV-2 infection: a secondary analysis using published data. BMJ Open, 2021, 11, e041240.	0.8	33
14	The challenge of estimating wildlife populations at scale: the case of the European badger (Meles Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	3
15	First detected case of rabbit Haemorrhagic disease virus 2 (RHDV2) in the Irish hare (Lepus timidus) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	3
16	Pestivirus apparent prevalence in sheep and goats in Northern Ireland: A serological survey. Veterinary Record, 2021, 188, e1.	0.2	3
17	Longitudinal dynamics of herd-level Mycobacterium bovis MLVA type surveillance in cattle in Northern Ireland 2003â€“2016. Infection, Genetics and Evolution, 2020, 79, 104131.	1.0	8
18	Inferred duration of infectious period of SARS-CoV-2: rapid scoping review and analysis of available evidence for asymptomatic and symptomatic COVID-19 cases. BMJ Open, 2020, 10, e039856.	0.8	299

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19	Effects of Mustelid gammaherpesvirus 1 (MusGHV-1) Reactivation in European Badger (<i>Meles meles</i>) Genital Tracts on Reproductive Fitness. <i>Pathogens</i> , 2020, 9, 769.	1.2	9
20	Grazing cattle exposure to neighbouring herds and badgers in relation to bovine tuberculosis risk. <i>Research in Veterinary Science</i> , 2020, 133, 297-303.	0.9	8
21	Incubation period of COVID-19: a rapid systematic review and meta-analysis of observational research. <i>BMJ Open</i> , 2020, 10, e039652.	0.8	420
22	<i>Mycobacterium bovis</i> Population Structure in Cattle and Local Badgers: Co-Localisation and Variation by Farm Type. <i>Pathogens</i> , 2020, 9, 592.	1.2	8
23	Development and Application of a Prioritization Tool for Animal Health Surveillance Activities in Ireland. <i>Frontiers in Veterinary Science</i> , 2020, 7, 596867.	0.9	4
24	Reflecting on One Health in Action During the COVID-19 Response. <i>Frontiers in Veterinary Science</i> , 2020, 7, 578649.	0.9	14
25	Quantifying intraherd cattle movement metrics: Implications for disease transmission risk. <i>Preventive Veterinary Medicine</i> , 2020, 185, 105203.	0.7	5
26	Bovine Tuberculosis (<i>Mycobacterium bovis</i>) Outbreak Duration in Cattle Herds in Ireland: A Retrospective Observational Study. <i>Pathogens</i> , 2020, 9, 815.	1.2	11
27	Genetic evidence further elucidates the history and extent of badger introductions from Great Britain into Ireland. <i>Royal Society Open Science</i> , 2020, 7, 200288.	1.1	9
28	Post-mortem surveillance of bovine tuberculosis in Ireland: herd-level variation in the probability of herds disclosed with lesions at routine slaughter to have skin test reactors at follow-up test. <i>Veterinary Research Communications</i> , 2020, 44, 131-136.	0.6	15
29	Is moving from targeted culling to BCG-vaccination of badgers (<i>Meles meles</i>) associated with an unacceptable increased incidence of cattle herd tuberculosis in the Republic of Ireland? A practical non-inferiority wildlife intervention study in the Republic of Ireland (2011-2017). <i>Preventive Veterinary Medicine</i> , 2020, 179, 105004.	0.7	20
30	Rapid review of available evidence on the serial interval and generation time of COVID-19. <i>BMJ Open</i> , 2020, 10, e040263.	0.8	90
31	Bovine tuberculosis breakdown duration in cattle herds: an investigation of herd, host, pathogen and wildlife risk factors. <i>PeerJ</i> , 2020, 8, e8319.	0.9	18
32	Interspecific visitation of cattle and badgers to fomites: A transmission risk for bovine tuberculosis?. <i>Ecology and Evolution</i> , 2019, 9, 8479-8489.	0.8	31
33	Cattle movements in Northern Ireland form a robust network: implications for disease management. <i>Preventive Veterinary Medicine</i> , 2019, 170, 104740.	0.7	19
34	Variation in <i>Mycobacterium bovis</i> genetic richness suggests that inwards cattle movements are a more important source of infection in beef herds than in dairy herds. <i>BMC Microbiology</i> , 2019, 19, 154.	1.3	16
35	Identification and epidemiological analysis of <i>Perstrongylus falciformis</i> infestation in Irish badgers. <i>Irish Veterinary Journal</i> , 2019, 72, 7.	0.8	3
36	Push and pull factors driving movement in a social mammal: context dependent behavioral plasticity at the landscape scale. <i>Environmental Epigenetics</i> , 2019, 65, 517-525.	0.9	14

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37	Editorial: Bovine Tuberculosisâ€”International Perspectives on Epidemiology and Management. <i>Frontiers in Veterinary Science</i> , 2019, 6, 202.	0.9	9
38	Liver fluke (<i>Fasciola hepatica</i>) co-infection with bovine tuberculosis in cattle: A prospective herd-level assessment of herd bTB risk in dairy enterprises. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 1727-1736.	1.3	7
39	Is There a Relationship Between Bovine Tuberculosis (bTB) Herd Breakdown Risk and Mycobacterium avium subsp. paratuberculosis Status? An Investigation in bTB Chronically and Non-chronically Infected Herds. <i>Frontiers in Veterinary Science</i> , 2019, 6, 30.	0.9	21
40	Spatiotemporal analysis of prolonged and recurrent bovine tuberculosis breakdowns in Northern Irish cattle herds reveals a new infection hotspot. <i>Spatial and Spatio-temporal Epidemiology</i> , 2019, 28, 33-42.	0.9	20
41	Characteristics of Northern Irish cattle herds without bovine tuberculosis infection. <i>Veterinary Record</i> , 2019, 184, 772-772.	0.2	1
42	Liver fluke (<i>Fasciola hepatica</i>) co-infection with bovine tuberculosis (bTB) in cattle: A retrospective animal-level assessment of bTB risk in dairy and beef cattle. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 785-796.	1.3	9
43	Modelling the variation in skin-test tuberculin reactions, post-mortem lesion counts and case pathology in tuberculosis-exposed cattle: Effects of animal characteristics, histories and co-infection. <i>Transboundary and Emerging Diseases</i> , 2018, 65, 844-858.	1.3	25
44	Can We Breed Cattle for Lower Bovine TB Infectivity?. <i>Frontiers in Veterinary Science</i> , 2018, 5, 310.	0.9	25
45	The population and landscape genetics of the European badger (<i>Meles meles</i>) in Ireland. <i>Ecology and Evolution</i> , 2018, 8, 10233-10246.	0.8	15
46	Spatial and risk factor analysis of bovine viral diarrhoea (BVD) virus after the first-year compulsory phase of BVD eradication programme in Northern Ireland. <i>Preventive Veterinary Medicine</i> , 2018, 157, 34-43.	0.7	15
47	Bayesian latent class estimation of sensitivity and specificity parameters of diagnostic tests for bovine tuberculosis in chronically infected herds in Northern Ireland. <i>Veterinary Journal</i> , 2018, 238, 15-21.	0.6	67
48	Seasonal variation of <i>Fasciola hepatica</i> antibodies in dairy herds in Northern Ireland measured by bulk tank milk ELISA. <i>Parasitology Research</i> , 2018, 117, 2725-2733.	0.6	13
49	Bovine Tuberculosis in Britain and Ireland â€” A Perfect Storm? the Confluence of Potential Ecological and Epidemiological Impediments to Controlling a Chronic Infectious Disease. <i>Frontiers in Veterinary Science</i> , 2018, 5, 109.	0.9	101
50	<i>Mycobacterium bovis</i> molecular typing and surveillance.. , 2018, , 58-79.		2
51	Musteloid diseases: implications for conservation and species management. , 2018, , .		1
52	Weather influences trapping success for tuberculosis management in European badgers (<i>Meles meles</i>). <i>European Journal of Wildlife Research</i> , 2017, 63, 1.	0.7	17
53	Assessment of concurrent infection with bovine viral diarrhoea virus (BVDV) and <i>Mycobacterium bovis</i> : A herd-level risk factor analysis from Northern Ireland. <i>Preventive Veterinary Medicine</i> , 2017, 141, 38-47.	0.7	16
54	Assessment of serological tests for diagnosis of bovine tuberculosis. <i>Veterinary Record</i> , 2017, 181, 90-90.	0.2	19

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55	Bovine tuberculosis visible lesions in cattle culled during herd breakdowns: the effects of individual characteristics, trade movement and co-infection. <i>BMC Veterinary Research</i> , 2017, 13, 400.	0.7	35
56	Liver fluke (<i>Fasciola hepatica</i>) infection in cattle in Northern Ireland: a large-scale epidemiological investigation utilising surveillance data. <i>Parasites and Vectors</i> , 2016, 9, 209.	1.0	34
57	Risk factors for failure to detect bovine tuberculosis in cattle from infected herds across Northern Ireland (2004–2010). <i>Research in Veterinary Science</i> , 2016, 107, 233-239.	0.9	33
58	Effect of culling and vaccination on bovine tuberculosis infection in a European badger (<i>Meles meles</i>) population by spatial simulation modelling. <i>Preventive Veterinary Medicine</i> , 2016, 125, 19-30.	0.7	27
59	A CAUTIONARY NOTE ON THE USE OF MNA-DERIVED TRAPPABILITY METRICS IN WILDLIFE PROGRAMMES, AS EXEMPLIFIED BY THE CASE OF THE EUROPEAN BADGER (<i>MELES MELES</i>). <i>Wildlife Biology in Practice</i> , 2016, 12, .	0.1	6
60	Should they stay, or should they go? Relative future risk of bovine tuberculosis for interferon-gamma test-positive cattle left on farms. <i>Veterinary Research</i> , 2015, 46, 90.	1.1	37
61	Molecular Epidemiology of <i>Brucella abortus</i> in Northern Ireland—1991 to 2012. <i>PLoS ONE</i> , 2015, 10, e0136721.	1.1	21
62	Horse impoundments under Control of Horses legislation in the Munster region of Ireland: factors affecting euthanasia. <i>Veterinary Record</i> , 2015, 176, 100-100.	0.2	3
63	Monitoring trap-related injury status during large-scale wildlife management programmes: an adaptive management approach. <i>European Journal of Wildlife Research</i> , 2015, 61, 445-455.	0.7	17
64	<i>In situ</i> adaptive response to climate and habitat quality variation: spatial and temporal variation in European badger (<i>Meles meles</i>) body weight. <i>Global Change Biology</i> , 2015, 21, 3336-3346.	4.2	23
65	Spatial and temporal analyses of metrics of tuberculosis infection in badgers (<i>Meles meles</i>) from the Republic of Ireland: Trends in apparent prevalence. <i>Preventive Veterinary Medicine</i> , 2015, 122, 345-354.	0.7	49
66	Risk of tuberculosis cattle herd breakdowns in Ireland: effects of badger culling effort, density and historic large-scale interventions. <i>Veterinary Research</i> , 2014, 45, 109.	1.1	43
67	Estimating badger social-group abundance in the Republic of Ireland using cross-validated species distribution modelling. <i>Ecological Indicators</i> , 2014, 43, 94-102.	2.6	21
68	Large-scale movements in European badgers: has the tail of the movement kernel been underestimated?. <i>Journal of Animal Ecology</i> , 2014, 83, 991-1001.	1.3	43
69	Impact of culling on relative abundance of the European badger (<i>Meles meles</i>) in Ireland. <i>European Journal of Wildlife Research</i> , 2013, 59, 25-37.	0.7	23
70	Factors affecting European badger (<i>Meles meles</i>) capture numbers in one county in Ireland. <i>Preventive Veterinary Medicine</i> , 2013, 109, 128-135.	0.7	16
71	Local-scale factors structure wild bee communities in protected areas. <i>Journal of Applied Ecology</i> , 2012, 49, 998-1008.	1.9	63
72	Population Estimation and Trappability of the European Badger (<i>Meles meles</i>): Implications for Tuberculosis Management. <i>PLoS ONE</i> , 2012, 7, e50807.	1.1	43

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73	The ecology of the European badger (<i>Meles meles</i>) in Ireland: a review. <i>Biology and Environment</i> , 2012, 112, 105-132.	0.2	38
74	THE ECOLOGY OF THE EUROPEAN BADGER (MELES MELES) IN IRELAND: A REVIEW. <i>Biology and Environment</i> , 2012, 112B, 105-132.	0.2	8
75	Bee conservation policy at the global, regional and national levels. <i>Apidologie</i> , 2009, 40, 194-210.	0.9	60