Bethan Purse

List of Publications by Year in descending order

85 papers	4,050 citations	136950 32 h-index	128289 60 g-index
89 all docs	89 docs citations	89 times ranked	4952 citing authors

#	Article	IF	Citations
1	Climate change and the recent emergence of bluetongue in Europe. Nature Reviews Microbiology, 2005, 3, 171-181.	28.6	669
2	Global Data for Ecology and Epidemiology: A Novel Algorithm for Temporal Fourier Processing MODIS Data. PLoS ONE, 2008, 3, e1408.	2.5	218
3	Bionomics of Temperate and Tropical Culicoides Midges: Knowledge Gaps and Consequences for Transmission of Culicoides-Borne Viruses. Annual Review of Entomology, 2015, 60, 373-392.	11.8	190
4	Global trade networks determine the distribution of invasive nonâ€native species. Global Ecology and Biogeography, 2017, 26, 907-917.	5.8	177
5	Culicoides biting midges, arboviruses and public health in Europe. Antiviral Research, 2013, 100, 102-113.	4.1	173
6	Modelling the effect of temperature on the seasonal population dynamics of temperate mosquitoes. Journal of Theoretical Biology, 2016, 400, 65-79.	1.7	126
7	Can the enemy release hypothesis explain the success of invasive alien predators and parasitoids?. BioControl, 2011, 56, 451-468.	2.0	122
8	Mapping the basic reproduction number (R0) for vector-borne diseases: A case study on bluetongue virus. Epidemics, 2009, 1, 153-161.	3.0	115
9	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. Conservation Letters, 2017, 10, 477-484.	5.7	96
10	Prediction of bluetongue vector distribution in Europe and north Africa using satellite imagery. Veterinary Microbiology, 2003, 97, 13-29.	1.9	93
11	Fast and flexible Bayesian species distribution modelling using Gaussian processes. Methods in Ecology and Evolution, 2016, 7, 598-608.	5.2	87
12	Modelling the distributions of Culicoides bluetongue virus vectors in Sicily in relation to satellite-derived climate variables. Medical and Veterinary Entomology, 2004, 18, 90-101.	1.5	79
13	A new algorithm quantifies the roles of wind and midge flight activity in the bluetongue epizootic in northwest Europe. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2354-2362.	2.6	74
14	Dispersal characteristics and management of a rare damselfly. Journal of Applied Ecology, 2003, 40, 716-728.	4.0	73
15	Quantifying the wind dispersal of Culicoides species in Greece and Bulgaria. Geospatial Health, 2007, 1, 177.	0.8	73
16	Spatial distribution of Culicoides species in Portugal in relation to the transmission of African horse sickness and bluetongue viruses. Medical and Veterinary Entomology, 2003, 17, 165-177.	1.5	68
17	Spatial distribution of bluetongue virus and its Culicoides vectors in Sicily. Medical and Veterinary Entomology, 2004, 18, 81-89.	1.5	64
18	Larval development and emergence sites of farmâ€associated Culicoides in the United Kingdom. Medical and Veterinary Entomology, 2013, 27, 441-449.	1.5	64

#	Article	IF	Citations
19	Impacts of climate, host and landscape factors on Culicoides species in Scotland. Medical and Veterinary Entomology, 2012, 26, 168-177.	1.5	56
20	West Nile virus vector Culex modestus established in southern England. Parasites and Vectors, 2012, 5, 32.	2.5	54
21	Towards a resourceâ€based habitat approach for spatial modelling of vectorâ€borne disease risks. Biological Reviews, 2015, 90, 1151-1162.	10.4	50
22	Spatial and temporal distribution of bluetongue and its Culicoides vectors in Bulgaria. Medical and Veterinary Entomology, 2006, 20, 335-344.	1.5	49
23	Geographical and seasonal distribution of the bluetongue virus vector, Culicoides imicola, in central Italy. Medical and Veterinary Entomology, 2003, 17, 388-394.	1.5	48
24	Trade-off in ecosystem services of the Somerset Levels and Moors wetlands. Hydrological Sciences Journal, 2011, 56, 1543-1565.	2.6	47
25	Incriminating bluetongue virus vectors with climate envelope models. Journal of Applied Ecology, 2007, 44, 1231-1242.	4.0	43
26	Impacts of space, local environment and habitat connectivity on macrophyte communities in conservation lakes. Diversity and Distributions, 2012, 18, 603-614.	4.1	43
27	Escape from parasitism by the invasive alien ladybird, Harmonia axyridis. Insect Conservation and Diversity, 2014, 7, 334-342.	3.0	38
28	Landscape and climate determine patterns of spread for all colour morphs of the alien ladybird Harmonia axyridis. Journal of Biogeography, 2015, 42, 575-588.	3.0	38
29	How will climate change pathways and mitigation options alter incidence of vector-borne diseases? A framework for leishmaniasis in South and Meso-America. PLoS ONE, 2017, 12, e0183583.	2.5	37
30	Tracking the distribution and impacts of diseases with biological records and distribution modelling. Biological Journal of the Linnean Society, 2015, 115, 664-677.	1.6	36
31	DNA barcoding and surveillance sampling strategies for Culicoides biting midges (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.5	36
32	Community versus single-species distribution models for British plants. Journal of Biogeography, 2011, 38, 1524-1535.	3.0	35
33	Environmental Drivers of Culicoides Phenology: How Important Is Species-Specific Variation When Determining Disease Policy?. PLoS ONE, 2014, 9, e111876.	2.5	35
34	Identifying biotic interactions which drive the spatial distribution of a mosquito community. Parasites and Vectors, 2015, 8, 367.	2.5	35
35	Lyme Disease Risks in Europe under Multiple Uncertain Drivers of Change. Environmental Health Perspectives, 2019, 127, 67010.	6.0	35
36	Using biological traits to explain ladybird distribution patterns. Journal of Biogeography, 2012, 39, 1772-1781.	3.0	31

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37	Identifying environmental drivers of insect phenology across space and time: Culicoides in Scotland as a case study. Bulletin of Entomological Research, 2013, 103, 155-170.	1.0	31
38	Predicting disease risk areas through co-production of spatial models: The example of Kyasanur Forest Disease in Indiaâ€™s forest landscapes. PLoS Neglected Tropical Diseases, 2020, 14, e0008179.	3.0	31
39	Collection ofCulicoides(Diptera: Ceratopogonidae) Using CO2and Enantiomers of 1-Octen-3-ol in the United Kingdom. Journal of Medical Entomology, 2012, 49, 112-121.	1.8	30
40	Ecological correlates of local extinction and colonisation in the British ladybird beetles (Coleoptera: Coccinellidae). Biological Invasions, 2014, 16, 1805-1817.	2.4	30
41	Clarity or confusion? â€“ Problems in attributing large-scale ecological changes to anthropogenic drivers. Ecological Indicators, 2012, 20, 51-56.	6.3	29
42	Operationalising the â€œOne Healthâ€•approach in India: facilitators of and barriers to effective cross-sector convergence for zoonoses prevention and control. BMC Public Health, 2021, 21, 1517.	2.9	28
43	Emergence of the damselflies, Coenagrion mercuriale and Ceriagrion tenellum (Odonata:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 100, 93-99.	1.2	27
44	Predicting the risk of bluetongue through time: climate model of temporal patterns of outbreaks in Istrael. OIE Revue Scientifique Et Technique, 2004, 23, 761-775.	1.2	27
45	Flexibility in phenology and habitat use act as buffers to longâ€term population declines in UK passerines. Ecography, 2012, 35, 604-613.	4.5	24
46	Evolutionary traitâ€based approaches for predicting future global impacts of plant pathogens in the genus Phytophthora. Journal of Applied Ecology, 2021, 58, 718-730.	4.0	23
47	Two Species with an Unusual Combination of Traits Dominate Responses of British Grasshoppers and Crickets to Environmental Change. PLoS ONE, 2015, 10, e0130488.	2.5	22
48	Epidemic potential of an emerging vector borne disease in a marginal environment: Schmallenberg in Scotland. Scientific Reports, 2013, 3, 1178.	3.3	21
49	Livestock host composition rather than land use or climate explains spatial patterns in bluetongue disease in South India. Scientific Reports, 2019, 9, 4229.	3.3	20
50	Lifetime mating success in a marginal population of a damselfly, Coenagrion mercuriale. Animal Behaviour, 2005, 69, 1303-1315.	1.9	19
51	Landscape and climate determine patterns of spread for all colour morphs of the alien ladybird Harmonia axyridis. Journal of Biogeography, 2015, 42, 575-588.	3.0	19
52	Uncovering mechanisms behind mosquito seasonality by integrating mathematical models and daily empirical population data: Culex pipiens in the UK. Parasites and Vectors, 2019, 12, 74.	2.5	18
53	Using biological traits to explain ladybird distribution patterns. Journal of Biogeography, 2012, 39, 1772-1781.	3.0	18
54	PHYTO-THREATS: Addressing Threats to UK Forests and Woodlands from Phytophthora; Identifying Risks of Spread in Trade and Methods for Mitigation. Forests, 2021, 12, 1617.	2.1	18

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55	Challenges in predicting invasive reservoir hosts of emerging pathogens: mapping Rhododendron ponticum as a foliar host for Phytophthora ramorum and Phytophthora kernoviae in the UK. Biological Invasions, 2013, 15, 529-545.	2.4	17
56	Does covering of farm-associated Culicoides larval habitat reduce adult populations in the United Kingdom?. Veterinary Parasitology, 2014, 201, 137-145.	1.8	17
57	Impact of temperature, feeding preference and vaccination on Schmallenberg virus transmission in Scotland. Scientific Reports, 2015, 4, 5746.	3.3	17
58	Ecological correlates of local extinction and colonisation in the British ladybird beetles (Coleoptera: Coccinellidae). Biological Invasions, 2014, 16, 1805-1817.	2.4	17
59	Assessing the potential for Bluetongue virus 8 to spread and vaccination strategies in Scotland. Scientific Reports, 2016, 6, 38940.	3.3	16
60	Quantifying the Risk of Introduction of West Nile Virus into Great Britain by Migrating Passerine Birds. Transboundary and Emerging Diseases, 2016, 63, e347-e359.	3.0	16
61	A novel approach for predicting risk of vector-borne disease establishment in marginal temperate environments under climate change: West Nile virus in the UK. Journal of the Royal Society Interface, 2021, 18, 20210049.	3.4	16
62	Oviposition site selection byCoenagrion mercuriale(Odonata: Coenagrionidae). International Journal of Odonatology, 2009, 12, 257-273.	0.5	15
63	Mechanistic model for predicting the seasonal abundance of Culicoides biting midges and the impacts of insecticide control. Parasites and Vectors, 2017, 10, 162.	2.5	15
64	â€˜None of my ancestors ever discussed this disease before!â€™ How disease information shapes adaptive capacity of marginalised rural populations in India. PLoS Neglected Tropical Diseases, 2021, 15, e0009265.	3.0	15
65	Reviewing the ecological evidence base for management of emerging tropical zoonoses: Kyasanur Forest Disease in India as a case study. PLoS Neglected Tropical Diseases, 2021, 15, e0009243.	3.0	15
66	The tree that hides the forest: cryptic diversity and phylogenetic relationships in the Palaearctic vector Obsoletus/Scoticus Complex (Diptera: Ceratopogonidae) at the European level. Parasites and Vectors, 2020, 13, 265.	2.5	15
67	Understanding Spatio-Temporal Variability in the Reproduction Ratio of the Bluetongue (BTV-1) Epidemic in Southern Spain (Andalusia) in 2007 Using Epidemic Trees. PLoS ONE, 2016, 11, e0151151.	2.5	14
68	Phenotypic plasticity as a cause and consequence of population dynamics. Ecology Letters, 2021, 24, 2406-2417.	6.4	14
69	Habitat use governs distribution patterns of saprophagous (litter-transforming) macroarthropods - a case study of British woodlice (Isopoda: Oniscidea). European Journal of Entomology, 2012, 109, 543-552.	1.2	14
70	Voltinism and larval growth pattern in Coenagrion mercuriale (Odonata: Coenagrionidae) at its northern range margin. European Journal of Entomology, 2002, 99, 11-18.	1.2	13
71	Small scale variability in soil moisture drives infection of vulnerable juniper populations by invasive forest pathogen. Forest Ecology and Management, 2020, 473, 118324.	3.2	11
72	Transmission of Schmallenberg virus in a housed dairy herd in the UK. Veterinary Record, 2013, 173, 609-609.	0.3	10

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73	A call to arms: Setting the framework for a code of practice for mosquito management in European wetlands. Journal of Applied Ecology, 2020, 57, 1012-1019.	4.0	10
74	Bluetongue virus and climate change. , 2009, , 343-364.		7
75	Patterns in <scp>V</scp>arroa destructor depend on bee host abundance, availability of natural resources, and climate in <scp>M</scp>editerranean apiaries. Ecological Entomology, 2016, 41, 542-553.	2.2	4
76	Bluetongue in the Mediterranean: prediction of risk in space and time. , 0, , 125-136.		4
77	Co-production of knowledge as part of a OneHealth approach to better control zoonotic diseases. PLOS Global Public Health, 2022, 2, e0000075.	1.6	3
78	Investigating the Role of Restoration Plantings in Introducing Diseaseâ€"A Case Study Using Phytophthora. Forests, 2021, 12, 764.	2.1	2
79	Environmental Drivers of Adult Seasonality and Abundance of Biting Midges Culicoides (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overloc 350-364.	1.8	1
80	Title is missing!. , 2020, 14, e0008179.		0
81	Title is missing!. , 2020, 14, e0008179.		0
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84	Title is missing!. , 2020, 14, e0008179.		0
85	Title is missing!. , 2020, 14, e0008179.		0