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	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
2	Environmental Drivers of Adult Seasonality and Abundance of Biting Midges Culicoides (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 350-364.	1.8	1
3	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
4	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
5	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
6	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
7	Investigating the Role of Restoration Plantings in Introducing Diseaseâ€”A Case Study Using Phytophthora. Forests, 2021, 12, 764.	2.1	2
8	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
9	Phenotypic plasticity as a cause and consequence of population dynamics. Ecology Letters, 2021, 24, 2406-2417.	6.4	14
10	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
11	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
12	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
13	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
14	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
15	Title is missing!. , 2020, 14, e0008179.		0
16	Title is missing!. , 2020, 14, e0008179.		0
17	Title is missing!. , 2020, 14, e0008179.		0
18	Title is missing!. , 2020, 14, e0008179.		0

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19	Title is missing!. , 2020, 14, e0008179.		0
20	Title is missing!. , 2020, 14, e0008179.		0
21	Lyme Disease Risks in Europe under Multiple Uncertain Drivers of Change. Environmental Health Perspectives, 2019, 127, 67010.	6.0	35
22	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
23	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
24	Global trade networks determine the distribution of invasive nonâ€native species. Global Ecology and Biogeography, 2017, 26, 907-917.	5.8	177
25	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
26	Alien Pathogens on the Horizon: Opportunities for Predicting their Threat to Wildlife. Conservation Letters, 2017, 10, 477-484.	5.7	96
27	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
28	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
29	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
30	Fast and flexible Bayesian species distribution modelling using Gaussian processes. Methods in Ecology and Evolution, 2016, 7, 598-608.	5.2	87
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	Assessing the potential for Bluetongue virus 8 to spread and vaccination strategies in Scotland. Scientific Reports, 2016, 6, 38940.	3.3	16
33	Modelling the effect of temperature on the seasonal population dynamics of temperate mosquitoes. Journal of Theoretical Biology, 2016, 400, 65-79.	1.7	126
34	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
35	Identifying biotic interactions which drive the spatial distribution of a mosquito community. Parasites and Vectors, 2015, 8, 367.	2.5	35
36	Impact of temperature, feeding preference and vaccination on Schmallenberg virus transmission in Scotland. Scientific Reports, 2015, 4, 5746.	3.3	17

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37	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
38	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
39	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
40	Towards a resourceâ€based habitat approach for spatial modelling of vectorâ€borne disease risks. Biological Reviews, 2015, 90, 1151-1162.	10.4	50
41	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
42	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
43	Environmental Drivers of Culicoides Phenology: How Important Is Species-Specific Variation When Determining Disease Policy?. PLoS ONE, 2014, 9, e111876.	2.5	35
44	Escape from parasitism by the invasive alien ladybird, Harmonia axyridis. Insect Conservation and Diversity, 2014, 7, 334-342.	3.0	38
45	Ecological correlates of local extinction and colonisation in the British ladybird beetles (Coleoptera: Coccinellidae). Biological Invasions, 2014, 16, 1805-1817.	2.4	30
46	Does covering of farm-associated Culicoides larval habitat reduce adult populations in the United Kingdom?. Veterinary Parasitology, 2014, 201, 137-145.	1.8	17
47	Ecological correlates of local extinction and colonisation in the British ladybird beetles (Coleoptera: Coccinellidae). Biological Invasions, 2014, 16, 1805-1817.	2.4	17
48	Larval development and emergence sites of farmâ€associated Culicoides in the United Kingdom. Medical and Veterinary Entomology, 2013, 27, 441-449.	1.5	64
49	Culicoides biting midges, arboviruses and public health in Europe. Antiviral Research, 2013, 100, 102-113.	4.1	173
50	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
51	Transmission of Schmallenberg virus in a housed dairy herd in the UK. Veterinary Record, 2013, 173, 609-609.	0.3	10
52	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
53	Epidemic potential of an emerging vector borne disease in a marginal environment: Schmallenberg in Scotland. Scientific Reports, 2013, 3, 1178.	3.3	21
54	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

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55	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
56	Impacts of space, local environment and habitat connectivity on macrophyte communities in conservation lakes. Diversity and Distributions, 2012, 18, 603-614.	4.1	43
57	Clarity or confusion? â€“ Problems in attributing large-scale ecological changes to anthropogenic drivers. Ecological Indicators, 2012, 20, 51-56.	6.3	29
58	Using biological traits to explain ladybird distribution patterns. Journal of Biogeography, 2012, 39, 1772-1781.	3.0	31
59	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
60	Impacts of climate, host and landscape factors on Culicoides species in Scotland. Medical and Veterinary Entomology, 2012, 26, 168-177.	1.5	56
61	West Nile virus vector Culex modestus established in southern England. Parasites and Vectors, 2012, 5, 32.	2.5	54
62	Using biological traits to explain ladybird distribution patterns. Journal of Biogeography, 2012, 39, 1772-1781.	3.0	18
63	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
64	Community versus single-species distribution models for British plants. Journal of Biogeography, 2011, 38, 1524-1535.	3.0	35
65	Can the enemy release hypothesis explain the success of invasive alien predators and parasitoids?. BioControl, 2011, 56, 451-468.	2.0	122
66	Trade-off in ecosystem services of the Somerset Levels and Moors wetlands. Hydrological Sciences Journal, 2011, 56, 1543-1565.	2.6	47
67	Bluetongue virus and climate change. , 2009, , 343-364.		7
68	Mapping the basic reproduction number (R0) for vector-borne diseases: A case study on bluetongue virus. Epidemics, 2009, 1, 153-161.	3.0	115
69	Oviposition site selection byCoenagrion mercuriale(Odonata: Coenagrionidae). International Journal of Odonatology, 2009, 12, 257-273.	0.5	15
70	Global Data for Ecology and Epidemiology: A Novel Algorithm for Temporal Fourier Processing MODIS Data. PLoS ONE, 2008, 3, e1408.	2.5	218
71	Quantifying the wind dispersal of Culicoides species in Greece and Bulgaria. Geospatial Health, 2007, 1, 177.	0.8	73
72	Incriminating bluetongue virus vectors with climate envelope models. Journal of Applied Ecology, 2007, 44, 1231-1242.	4.0	43

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73	Spatial and temporal distribution of bluetongue and its Culicoides vectors in Bulgaria. Medical and Veterinary Entomology, 2006, 20, 335-344.	1.5	49
74	Climate change and the recent emergence of bluetongue in Europe. Nature Reviews Microbiology, 2005, 3, 171-181.	28.6	669
75	Lifetime mating success in a marginal population of a damselfly, Coenagrion mercuriale. Animal Behaviour, 2005, 69, 1303-1315.	1.9	19
76	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
77	Spatial distribution of bluetongue virus and its Culicoides vectors in Sicily. Medical and Veterinary Entomology, 2004, 18, 81-89.	1.5	64
78	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
79	Prediction of bluetongue vector distribution in Europe and north Africa using satellite imagery. Veterinary Microbiology, 2003, 97, 13-29.	1.9	93
80	Dispersal characteristics and management of a rare damselfly. Journal of Applied Ecology, 2003, 40, 716-728.	4.0	73
81	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
82	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
83	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
84	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
85	Bluetongue in the Mediterranean: prediction of risk in space and time. , 0, , 125-136.		4