M Begon

List of Publications by Year
in descending order

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Version: 2024-02-01

64 papers	3,901 citations	126907 33 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	3917 citing authors

#	Article	IF	Citations
1	A clarification of transmission terms in host-microparasite models: numbers, densities and areas. Epidemiology and Infection, 2002, 129, 147-153.	2.1	388
2	Plague dynamics are driven by climate variation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13110-13115.	7.1	242
3	Antibiotic resistance found in wild rodents. Nature, 1999, 401, 233-234.	27.8	207
4	Cowpox: reservoir hosts and geographic range. Epidemiology and Infection, 1999, 122, 455-460.	2.1	203
5	The abundance threshold for plague as a critical percolation phenomenon. Nature, 2008, 454, 634-637.	27.8	174
6	Persistence of Tick-borne Virus in the Presence of Multiple Host Species: Tick Reservoirs and Parasite Mediated Competition. Journal of Theoretical Biology, 1999, 200, 111-118.	1.7	169
7	Transmission dynamics of a zoonotic pathogen within and between wildlife host species. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1939-1945.	2.6	163
8	Disruption of a host-parasite system following the introduction of an exotic host species. Parasitology, 2005, 130, 661-668.	1.5	130
9	The impact of specialized enemies on the dimensionality of host dynamics. Nature, 2001, 409, 1001-1006.	27.8	126
10	Hostâ€“pathogen time series data in wildlife support a transmission function between density and frequency dependence. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7905-7909.	7.1	118
11	Parasite interactions in natural populations: insights from longitudinal data. Parasitology, 2008, 135, 767-781.	1.5	104
12	A longitudinal study of an endemic disease in its wildlife reservoir: cowpox and wild rodents. Epidemiology and Infection, 2000, 124, 551-562.	2.1	88
13	The Effects of a Sublethal Baculovirus Infection in the Indian Meal Moth, Plodia interpunctella. Journal of Animal Ecology, 1994, 63, 541.	2.8	85
14	Cowpox in British voles and mice. Journal of Comparative Pathology, 1997, 116, 35-44.	0.4	85
15	Mycobacterium microti Infection (Vole Tuberculosis) in Wild Rodent Populations. Journal of Clinical Microbiology, 2002, 40, 3281-3285.	3.9	83
16	The effect of cowpox virus infection on fecundity in bank voles and wood mice. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1457-1461.	2.6	79
17	Longitudinal monitoring of the dynamics of infections due to Bartonella species in UK woodland rodents. Epidemiology and Infection, 2001, 126, 323-329.	2.1	76
18	Contrasting dynamics of Bartonella spp. in cyclic field vole populations: the impact of vector and host dynamics. Parasitology, 2007, 134, 413.	1.5	67

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19	Long-Term Population Dynamics of the Indian meal Moth Plodia interpunctella and its Granulosis Virus. Journal of Animal Ecology, 1994, 63, 861.	2.8	64
20	Transmission dynamics of Bacillus thuringiensis infecting Plodia interpunctella : a test of the mass action assumption with an insect pathogen. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 75-81.	2.6	64
21	What causes generation cycles in populations of stored-product moths?. Journal of Animal Ecology, 2000, 69, 352-366.	2.8	64
22	Dynamics of the plagueâ€“wildlifeâ€“human system in Central Asia are controlled by two epidemiological thresholds. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14527-14532.	7.1	62
23	Invasion sequence affects predatorâ€“prey dynamics in a multi-species interaction. Nature, 2000, 405, 448-450.	27.8	57
24	SympatricIxodes triangulicepsandIxodes ricinusTicks Feeding on Field Voles (Microtus agrestis): Potential for Increased Risk ofAnaplasma phagocytophilumin the United Kingdom?. Vector-Borne and Zoonotic Diseases, 2006, 6, 404-410.	1.5	57
25	Host-Host-Pathogen Models and Microbial Pest Control: The Effect of Host Self Regulation. Journal of Theoretical Biology, 1994, 169, 275-287.	1.7	52
26	A host-host-pathogen model with free-living infective stages, applicable to microbial pest control. Journal of Theoretical Biology, 1991, 148, 305-329.	1.7	51
27	Factors affecting host selection in an insect host-parasitoid interaction. Ecological Entomology, 1997, 22, 225-230.	2.2	51
28	The Influence of Larval Age on the Response of Plodia interpunctella to a Granulosis Virus. Journal of Invertebrate Pathology, 1994, 63, 107-110.	3.2	46
29	Host specificity of Trypanosoma (Herpetosoma) species: evidence that bank voles (Clethrionomys) Tj ETQq1 1 0.784314 rgBT /Overlo carry at least two polyphyletic parasites. Parasitology, 2002, 124, 185-190.	1.5	42
30	Tuberculosis (Mycobacterium microti) in wild field vole populations. Parasitology, 2008, 135, 309-317.	1.5	40
31	The effective size of a natural Drosophila subobscura population. Heredity, 1977, 38, 13-18.	2.6	36
32	Physiological integration among tillers of Holcus lanatus: age-dependence and responses to clipping and competition. New Phytologist, 1994, 128, 737-747.	7.3	36
33	Trypanosomes, fleas and field voles: ecological dynamics of a host-vectorâ€“parasite interaction. Parasitology, 2005, 131, 355-365.	1.5	36
34	Differential cannibalism and population dynamics in a host-parasitoid system. Oecologia, 1996, 105, 189-193.	2.0	33
35	Plague metapopulation dynamics in a natural reservoir: the burrow system as the unit of study. Epidemiology and Infection, 2007, 135, 740-748.	2.1	32
36	Increased migration in hostâ€“pathogen metapopulations can cause host extinction. Journal of Theoretical Biology, 2012, 298, 1-7.	1.7	32

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37	Evidence of multiple intraspecific transmission routes forLeptospiraacquisition in Norway rats (Rattus norvegicus). Epidemiology and Infection, 2017, 145, 3438-3448.	2.1	30
38	Mycobacterium microti Tuberculosis in Its Maintenance Host, the Field Vole (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.7	27
39	Parasitism of Baculovirus-Infected Plodia interpunctella by Venturia canescens and Subsequent Virus Transmission. Functional Ecology, 1996, 10, 586.	3.6	26
40	The prevalence of antimicrobial-resistantEscherichia coliin sympatric wild rodents varies by season and host. Journal of Applied Microbiology, 2011, 110, 962-970.	3.1	26
41	Mapping the distribution of the main host for plague in a complex landscape in Kazakhstan: An object-based approach using SPOT-5 XS, Landsat 7 ETM+, SRTM and multiple Random Forests. International Journal of Applied Earth Observation and Geoinformation, 2013, 23, 81-94.	2.8	26
42	Hostâ€“parasite biology in the real world: the field voles of Kielder. Parasitology, 2014, 141, 997-1017.	1.5	23
43	Empirical assessment of a threshold model for sylvatic plague. Journal of the Royal Society Interface, 2007, 4, 649-657.	3.4	22
44	Host condition and individual risk of cowpox virus infection in natural animal populations: cause or effect?. Epidemiology and Infection, 2009, 137, 1295-1301.	2.1	22
45	Carryover effects on the clonal growth of the grass Holcus lanatus L.. New Phytologist, 1993, 124, 301-307.	7.3	21
46	The ontogeny and cost of migration in Drosophila subobscura Collin. Biological Journal of the Linnean Society, 1983, 19, 9-15.	1.6	20
47	Timing of life cycles in a seasonal environment: the temperature-dependence of embryogenesis and diapause in a grasshopper (Chorthippus brunneus Thunberg). Oecologia, 1989, 78, 237-241.	2.0	19
48	Deterministic processes structure bacterial genetic communities across an urban landscape. Nature Communications, 2019, 10, 2643.	12.8	19
49	A model of competition. Oecologia, 1975, 20, 363-367.	2.0	18
50	New World origins for haemoparasites infecting United Kingdom grey squirrels (Sciurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (c England and the United States. Epidemiology and Infection, 2002, 129, 647-653.	2.1	18
51	A role for vector-independent transmission in rodent trypanosome infection?. International Journal for Parasitology, 2006, 36, 1359-1366.	3.1	18
52	Dietary stress reduces the susceptibility of Plodia interpunctella to infection by a granulovirus. Biological Control, 2002, 25, 81-84.	3.0	17
53	Highly polymorphic microsatellite loci in the bank vole (Clethrionomys glareolus). Molecular Ecology Notes, 2005, 5, 311-313.	1.7	15
54	Coprophagy and the diurnal cycle of the Common shrew, Sorex araneus. Journal of Zoology, 1975, 177, 449-453.	1.7	14

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55	Venturia canescens parasitizing Plodia interpunctella: host vulnerability â€" a matter of degree. Ecological Entomology, 1995, 20, 199-201.	2.2	13
56	Genetic variation in a semi-natural Drosophila population after a bottleneck I. Lethals, their allelism and effective population size. Genetica, 1985, 66, 11-20.	1.1	11
57	The Effect of Clipping on Interclonal Competition in the Grass Holcus Lanatus--A Response Surface Analysis. Journal of Ecology, 1994, 82, 259.	4.0	11
58	Factors affecting carriage and intensity of infection of Calodium hepaticum within Norway rats (Rattus norvegicus) from an urban slum environment in Salvador, Brazil. Epidemiology and Infection, 2017, 145, 334-338.	2.1	10
59	Density estimates ofDrosophilain Southern England. Journal of Natural History, 1975, 9, 315-320.	0.5	9
60	Carryover Effects on Interclonal Competition in the Grass Holcus lanatus: A Response Surface Analysis. Oikos, 1995, 72, 411.	2.7	8
61	Demographic drivers of Norway rat populations from urban slums in Brazil. Urban Ecosystems, 2021, 24, 801-809.	2.4	6
62	Microbe Interactions Undermine Predictionsâ€"Response. Science, 2011, 331, 145-147.	12.6	4
63	Prevalence of Diarrheagenic Escherichia coli (DEC) and Salmonella spp. with zoonotic potential in urban rats in Salvador, Brazil. Epidemiology and Infection, 2021, 149, e128.	2.1	4
64	Genetic variation in a semi-natural Drosophila melanogaster population after a bottleneck II. The relative fitnesses of second chromosomes. Genetica, 1985, 66, 173-181.	1.1	2