

Robert A Cheke

List of Publications by Year in descending order

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147
papers

3,607
citations

147786

31
h-index

182417

51
g-index

149
all docs

149
docs citations

149
times ranked

2767
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated pest management models and their dynamical behaviour. <i>Bulletin of Mathematical Biology</i> , 2005, 67, 115-135.	1.9	203
2	State-dependent impulsive models of integrated pest management (IPM) strategies and their dynamic consequences. <i>Journal of Mathematical Biology</i> , 2005, 50, 257-292.	1.9	188
3	Models for integrated pest control and their biological implications. <i>Mathematical Biosciences</i> , 2008, 215, 115-125.	1.9	128
4	Evolution, epidemiology, and population genetics of black flies (Diptera: Simuliidae). <i>Infection, Genetics and Evolution</i> , 2010, 10, 846-865.	2.3	127
5	Sliding Bifurcations of Filippov Two Stage Pest Control Models with Economic Thresholds. <i>SIAM Journal on Applied Mathematics</i> , 2012, 72, 1061-1080.	1.8	113
6	Optimum timing for integrated pest management: Modelling rates of pesticide application and natural enemy releases. <i>Journal of Theoretical Biology</i> , 2010, 264, 623-638.	1.7	104
7	Multiple attractors of host-parasitoid models with integrated pest management strategies: Eradication, persistence and outbreak. <i>Theoretical Population Biology</i> , 2008, 73, 181-197.	1.1	78
8	Brown locust outbreaks and climate variability in southern Africa. <i>Journal of Applied Ecology</i> , 2002, 39, 31-42.	4.0	76
9	Health and environmental impacts of pesticide use practices: a case study of farmers in Ekiti State, Nigeria. <i>International Journal of Agricultural Sustainability</i> , 2009, 7, 153-163.	3.5	69
10	Characterisation of nuclear ribosomal DNA sequences from <i>Onchocerca volvulus</i> and <i>Mansonella ozzardi</i> (Nematoda: Filarioidea) and development of a PCR-based method for their detection in skin biopsies. <i>International Journal for Parasitology</i> , 2001, 31, 169-177.	3.1	61
11	Model-Based Geostatistical Mapping of the Prevalence of <i>Onchocerca volvulus</i> in West Africa. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004328.	3.0	59
12	Dynamical analysis of plant disease models with cultural control strategies and economic thresholds. <i>Mathematics and Computers in Simulation</i> , 2010, 80, 894-921.	4.4	57
13	Threshold conditions for integrated pest management models with pesticides that have residual effects. <i>Journal of Mathematical Biology</i> , 2013, 66, 1-35.	1.9	57
14	Does Increasing Treatment Frequency Address Suboptimal Responses to Ivermectin for the Control and Elimination of River Blindness?. <i>Clinical Infectious Diseases</i> , 2016, 62, 1338-1347.	5.8	54
15	Molecular systematics of five <i>Onchocerca</i> species (Nematoda: Filarioidea) including the human parasite, <i>O. volvulus</i> , suggest sympatric speciation. <i>Journal of Helminthology</i> , 2006, 80, 281-90.	1.0	53
16	Campus quarantine (Fengxiao) for curbing emergent infectious diseases: Lessons from mitigating A/H1N1 in Xi'an, China. <i>Journal of Theoretical Biology</i> , 2012, 295, 47-58.	1.7	51
17	<i>Onchocerciasis</i> Transmission in Ghana: Persistence under Different Control Strategies and the Role of the Simuliid Vectors. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003688.	3.0	50
18	Global analysis of a Holling type II predator-prey model with a constant prey refuge. <i>Nonlinear Dynamics</i> , 2014, 76, 635-647.	5.2	49

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19	The elimination of the onchocerciasis vector from the island of Bioko as a result of larviciding by the WHO African Programme for Onchocerciasis Control. <i>Acta Tropica</i> , 2009, 111, 211-218.	2.0	47
20	Variation and distribution of forms of <i>Simulium soubrense</i> and <i>S. sanctipauli</i> in West Africa. <i>Annals of Tropical Medicine and Parasitology</i> , 1983, 77, 627-640.	1.6	44
21	Potential effects of warmer worms and vectors on onchocerciasis transmission in West Africa. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130559.	4.0	44
22	Global dynamics of a state-dependent feedback control system. <i>Advances in Difference Equations</i> , 2015, 2015, .	3.5	43
23	Complex dynamics of desert locust plagues. <i>Ecological Entomology</i> , 1993, 18, 109-115.	2.2	41
24	An integrated pest management model with delayed responses to pesticide applications and its threshold dynamics. <i>Nonlinear Analysis: Real World Applications</i> , 2012, 13, 2352-2374.	1.7	39
25	Analytical methods for detecting pesticide switches with evolution of pesticide resistance. <i>Mathematical Biosciences</i> , 2013, 245, 249-257.	1.9	39
26	Onchocerciasis (river blindness) – more than a century of research and control. <i>Acta Tropica</i> , 2021, 218, 105677.	2.0	39
27	Migration, Patchiness, and Population Processes Illustrated by Two Migrant Pests. <i>BioScience</i> , 2007, 57, 145-154.	4.9	36
28	A stage structured mosquito model incorporating effects of precipitation and daily temperature fluctuations. <i>Journal of Theoretical Biology</i> , 2016, 411, 27-36.	1.7	36
29	The fecundity of <i>Simulium damnosum</i> s.l. in northern Togo and infections with <i>Onchocerca</i> spp.. <i>Annals of Tropical Medicine and Parasitology</i> , 1982, 76, 561-568.	1.6	35
30	Enhanced West Nile virus surveillance in the North Kent marshes, UK. <i>Parasites and Vectors</i> , 2015, 8, 91.	2.5	35
31	Models to assess how best to replace dengue virus vectors with Wolbachia -infected mosquito populations. <i>Mathematical Biosciences</i> , 2015, 269, 164-177.	1.9	35
32	Modelling the effects of contaminated environments on HFMD infections in mainland China. <i>BioSystems</i> , 2016, 140, 1-7.	2.0	34
33	Indices of onchocerciasis transmission by different members of the <i>Simulium damnosum</i> complex conflict with the paradigm of forest and savanna parasite strains. <i>Acta Tropica</i> , 2013, 125, 43-52.	2.0	33
34	Optimal impulsive harvesting on non-autonomous Beverton-Holt difference equations. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2006, 65, 2311-2341.	1.1	32
35	Onchocerciasis transmission in Ghana: biting and parous rates of host-seeking sibling species of the <i>Simulium damnosum</i> complex. <i>Parasites and Vectors</i> , 2014, 7, 511.	2.5	32
36	Modeling the Effects of Augmentation Strategies on the Control of Dengue Fever With an Impulsive Differential Equation. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 1968-2010.	1.9	32

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37	Deforestation and the spatio-temporal distribution of savannah and forest members of the <i>Simulium damnosum</i> complex in southern Ghana and south-western Togo. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2002, 96, 632-639.	1.8	31
38	Impact of Hospital Bed Shortages on the Containment of COVID-19 in Wuhan. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8560.	2.6	30
39	Birth-pulse models of <i>Wolbachia</i> -induced cytoplasmic incompatibility in mosquitoes for dengue virus control. <i>Nonlinear Analysis: Real World Applications</i> , 2015, 22, 236-258.	1.7	29
40	A general model of hormesis in biological systems and its application to pest management. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190468.	3.4	29
41	A review of the impacts of control operations against the red-billed quelea (<i>Quelea quelea</i>) on non-target organisms. <i>Environmental Conservation</i> , 2004, 31, 130-137.	1.3	28
42	A Feedback Control Model of Comprehensive Therapy for Treating Immunogenic Tumours. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650039.	1.7	27
43	A preliminary analysis of the population genetics and molecular phylogenetics of <i>Onchocerca volvulus</i> (Nematoda: Filarioidea) using nuclear ribosomal second internal transcribed spacer sequences. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2007, 102, 879-882.	1.6	26
44	Host Spatial Pattern, Parasitoid Interference and the Modelling of the Dynamics of <i>Alaptus fuscus</i> (Hym.: Mymaridae), a Parasitoid of Two <i>Mesopsocus</i> Species (Psocoptera). <i>Journal of Animal Ecology</i> , 1975, 44, 767.	2.8	25
45	Lack of genetic and plumage differentiation in the red-billed quelea <i>Quelea quelea</i> across a migratory divide in southern Africa. <i>Molecular Ecology</i> , 2003, 12, 345-353.	3.9	25
46	Stability and change in the distribution of cytospecies of the <i>Simulium damnosum</i> complex (Diptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.5	25
47	Stochastic Modelling of Air Pollution Impacts on Respiratory Infection Risk. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 3127-3153.	1.9	25
48	Cytotaxonomy, morphology and molecular systematics of the Bioko form of <i>Simulium yahense</i> (Diptera: Simuliidae). <i>Bulletin of Entomological Research</i> , 2003, 93, 145-157.	1.0	24
49	Global stability and sliding bifurcations of a non-smooth Gause predator-prey system. <i>Applied Mathematics and Computation</i> , 2013, 224, 9-20.	2.2	23
50	Models of impulsive culling of mosquitoes to interrupt transmission of West Nile virus to birds. <i>Applied Mathematical Modelling</i> , 2015, 39, 3549-3568.	4.2	23
51	Forecasting suitable breeding conditions for the red-billed quelea <i>Quelea quelea</i> in southern Africa. <i>Journal of Applied Ecology</i> , 2007, 44, 523-533.	4.0	22
52	Effects of Predator and Prey Dispersal on Success or Failure of Biological Control. <i>Bulletin of Mathematical Biology</i> , 2009, 71, 2025-2047.	1.9	22
53	Linking key intervention timing to rapid decline of the COVID-19 effective reproductive number to quantify lessons from mainland China. <i>International Journal of Infectious Diseases</i> , 2020, 97, 296-298.	3.3	22
54	Piecewise virus-immune dynamic model with HIV-1 RNA-guided therapy. <i>Journal of Theoretical Biology</i> , 2015, 377, 36-46.	1.7	21

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55	Models for determining how many natural enemies to release inoculatively in combinations of biological and chemical control with pesticide resistance. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 422, 1479-1503.	1.0	21
56	Incorporating prey refuge into a predator-prey system with imprecise parameter estimates. <i>Computational and Applied Mathematics</i> , 2017, 36, 1067-1084.	1.3	21
57	Quantifying competitive advantages of mutant strains in a population involving importation and mass vaccination rollout. <i>Infectious Disease Modelling</i> , 2021, 6, 988-996.	1.9	21
58	Models of desert locust phase changes. <i>Ecological Modelling</i> , 1996, 91, 131-137.	2.5	20
59	Nonlinear state-dependent feedback control of a pest-natural enemy system. <i>Nonlinear Dynamics</i> , 2018, 94, 2243-2263.	5.2	20
60	Thresholds for extinction and proliferation in a stochastic tumour-immune model with pulsed comprehensive therapy. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019, 73, 363-378.	3.3	20
61	Theoretical rates of increase of gregarious and solitary populations of the Desert Locust. <i>Oecologia</i> , 1978, 35, 161-171.	2.0	19
62	Adaptive Release of Natural Enemies in a Pest-Natural Enemy System with Pesticide Resistance. <i>Bulletin of Mathematical Biology</i> , 2013, 75, 2167-2195.	1.9	19
63	Modelling pulsed immunotherapy of tumour-immune interaction. <i>Mathematics and Computers in Simulation</i> , 2015, 109, 92-112.	4.4	19
64	A threshold policy to interrupt transmission of West Nile Virus to birds. <i>Applied Mathematical Modelling</i> , 2016, 40, 8794-8809.	4.2	19
65	Effects of medical resource capacities and intensities of public mitigation measures on outcomes of COVID-19 outbreaks. <i>BMC Public Health</i> , 2021, 21, 605.	2.9	19
66	A model for evaluating interventions designed to reduce post-harvest fish losses. <i>Fisheries Research</i> , 1998, 35, 219-227.	1.7	18
67	Variation in haematozoan parasitism at local and landscape levels in the red-billed quelea <i>Quelea quelea</i> . <i>Journal of Avian Biology</i> , 2007, 38, 662-671.	1.2	18
68	Induction of apoptosis in host cells: a survival mechanism for <i>Leishmania</i> parasites?. <i>Parasitology</i> , 2008, 135, 1391-1399.	1.5	18
69	Beverton-Holt discrete pest management models with pulsed chemical control and evolution of pesticide resistance. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 36, 327-341.	3.3	18
70	A combination of climatic conditions determines major within-season dengue outbreaks in Guangdong Province, China. <i>Parasites and Vectors</i> , 2019, 12, 45.	2.5	18
71	Modelling effects of a chemotherapeutic dose response on a stochastic tumour-immune model. <i>Chaos, Solitons and Fractals</i> , 2019, 123, 1-13.	5.1	18
72	Periodicity and stability in a single-species model governed by impulsive differential equation. <i>Applied Mathematical Modelling</i> , 2012, 36, 1085-1094.	4.2	17

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73	Elimination of the Djodji form of the blackfly <i>Simulium sanctipauli</i> sensu stricto as a result of larviciding by the WHO Onchocerciasis Control Programme in West Africa. <i>Medical and Veterinary Entomology</i> , 2008, 22, 172-174.	1.5	16
74	Soil moisture assessments for brown locust <i>Locustana pardalina</i> breeding potential using synthetic aperture radar. <i>Journal of Applied Remote Sensing</i> , 2014, 8, 084898.	1.3	16
75	Seasonal variation in onchocerciasis transmission by <i>Simulium squamosum</i> at perennial breeding sites in Togo. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1992, 86, 67-71.	1.8	15
76	Cytotaxonomic confirmation of two forms of <i>Simulium sirbanum</i> in the eastern part of the Onchocerciasis Control Programme in West Africa. <i>Medical and Veterinary Entomology</i> , 1992, 6, 139-142.	1.5	15
77	Modelling the impact of larviciding on the population dynamics and biting rates of <i>Simulium damnosum</i> (s.l.): implications for vector control as a complementary strategy for onchocerciasis elimination in Africa. <i>Parasites and Vectors</i> , 2018, 11, 316.	2.5	15
78	An ecological study of the egg-pods of <i>Oedaleus senegalensis</i> (Krauss) (Orthoptera: Acrididae). <i>Journal of Natural History</i> , 1980, 14, 363-371.	0.5	14
79	The Beffa form of <i>Simulium soubrense</i> of the <i>S.damnatum</i> complex in Togo and Benin. <i>Medical and Veterinary Entomology</i> , 1987, 1, 29-35.	1.5	14
80	The Effect of Cicerfuran, an Arylbenzofuran from <i>Cicer bijugum</i> , and Related Benzofurans and Stilbenes on <i>Leishmania aethiops</i> , <i>L.tropica</i> and <i>L.major</i> . <i>Planta Medica</i> , 2006, 72, 907-911.	1.3	14
81	Defining the key wintering habitats in the Sahel for declining African-Eurasian migrants using expert assessment. <i>Bird Conservation International</i> , 2014, 24, 477-491.	1.3	14
82	Factors affecting onchocerciasis transmission: lessons for infection control. <i>Expert Review of Anti-Infective Therapy</i> , 2017, 15, 377-386.	4.4	14
83	Distribution of the <i>Simulium damnosum</i> complex on Bioko island, Equatorial Guinea, and the potential for onchocerciasis elimination by vector eradication. <i>Medical and Veterinary Entomology</i> , 1998, 12, 267-275.	1.5	13
84	Existence and global asymptotic stability of positive almost periodic solutions of a two-species competitive system. <i>International Journal of Biomathematics</i> , 2014, 07, 1450040.	2.9	13
85	Potential vector for West Nile virus prevalent in Kent. <i>Veterinary Record</i> , 2014, 175, 284-285.	0.3	13
86	Modelling the regulatory system for diabetes mellitus with a threshold window. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 22, 478-491.	3.3	13
87	Models to assess the effects of non-identical sex ratio augmentations of <i>Wolbachia</i> -carrying mosquitoes on the control of dengue disease. <i>Mathematical Biosciences</i> , 2018, 299, 58-72.	1.9	13
88	Potential rates of increase of solitary and gregarious phases of the African armyworm <i>Spodoptera exempta</i> (Lepidoptera: Noctuidae). <i>Ecological Entomology</i> , 1995, 20, 319-325.	2.2	12
89	Coexistence and partial extinction in a delay competitive system subject to impulsive harvesting and stocking. <i>IMA Journal of Applied Mathematics</i> , 2010, 75, 777-795.	1.6	12
90	Completion of the sequence of the nuclear ribosomal DNA subunit of <i>Simulium sanctipauli</i> , with descriptions of the 18S, 28S genes and the IGS. <i>Medical and Veterinary Entomology</i> , 2002, 16, 386-394.	1.5	11

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91	Potential vectors of loiasis and other tabanids on the island of Bioko, Equatorial Guinea. <i>Medical and Veterinary Entomology</i> , 2003, 17, 221-223.	1.5	11
92	Onchocerciasis transmission in Ghana: the human blood index of sibling species of the <i>Simulium damnosum</i> complex. <i>Parasites and Vectors</i> , 2016, 9, 432.	2.5	11
93	Ecological characteristics of <i>Simulium</i> breeding sites in West Africa. <i>Acta Tropica</i> , 2017, 167, 148-156.	2.0	11
94	Distribution of the <i>Simulium metallicum</i> complex in Mexico in relation to selected environmental variables. <i>Medical and Veterinary Entomology</i> , 1999, 13, 139-149.	1.5	10
95	Effects of the organophosphate fenthion for control of the red-billed quelea <i>Quelea quelea</i> on cholinesterase and haemoglobin concentrations in the blood of target and non-target birds. <i>Ecotoxicology</i> , 2012, 21, 1761-1770.	2.4	10
96	The Effects of Resource Limitation on a Predator-Prey Model with Control Measures as Nonlinear Pulses. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-13.	1.1	10
97	The regulatory system for diabetes mellitus: Modeling rates of glucose infusions and insulin injections. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 37, 305-325.	3.3	10
98	A review of alternatives to fenthion for quelea bird control. <i>Crop Protection</i> , 2019, 116, 15-23.	2.1	10
99	The vector status of <i>Simulium damnosum</i> on the island of Bioko in Equatorial Guinea. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1997, 91, 153-154.	1.8	9
100	Field and laboratory studies on water conditions affecting the potency of VectoBacR (<i>Bacillus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387. <i>Veterinary Entomology</i> , 2005, 19, 404-412.	1.5	9
101	Soil contamination and persistence of pollutants following organophosphate sprays and explosions to control red-billed quelea (<i>Quelea quelea</i>). <i>Pest Management Science</i> , 2013, 69, 386-396.	3.4	9
102	Threshold Dynamics and Bifurcation of a State-Dependent Feedback Nonlinear Control Susceptible-Infected-Recovered Model. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	9
103	Nonlinear Pulse Vaccination in an SIR Epidemic Model with Resource Limitation. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-13.	0.7	8
104	Taking the strain out of onchocerciasis? A reanalysis of blindness and transmission data does not support the existence of a savannah blinding strain of onchocerciasis in West Africa. <i>Advances in Parasitology</i> , 2021, 112, 1-50.	3.2	8
105	Evidence for a Causal Relationship between the Solar Cycle and Locust Abundance. <i>Agronomy</i> , 2021, 11, 69.	3.0	8
106	Assessment of rDNA IGS as a molecular marker in the <i>Simulium damnosum</i> complex. <i>Medical and Veterinary Entomology</i> , 2002, 16, 395-403.	1.5	7
107	Thinking Long Term. <i>Science</i> , 2007, 318, 577-578.	12.6	7
108	Conservation Concern for the Deteriorating Geographical Range of the Grey Parrot in Cameroon. <i>International Journal of Ecology</i> , 2014, 2014, 1-15.	0.8	7

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109	Global dynamics of a piece-wise epidemic model with switching vaccination strategy. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2014, 19, 2915-2940.	0.9	7
110	Cumulative effects of incorrect use of pesticides can lead to catastrophic outbreaks of pests. <i>Chaos, Solitons and Fractals</i> , 2017, 100, 7-19.	5.1	7
111	Coupling the Macroscale to the Microscale in a Spatiotemporal Context to Examine Effects of Spatial Diffusion on Disease Transmission. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 58.	1.9	7
112	Differences in the male scutal patterns of putative <i>Simulium sirbanum</i> . <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1987, 81, 672-673.	1.8	6
113	Experimental hybridization between members of the <i>Simulium damnosum</i> complex. <i>Medical and Veterinary Entomology</i> , 1987, 1, 193-199.	1.5	6
114	Effects of tsetse targets on mammals and birds in Kasungu National Park, Malawi. <i>Biodiversity and Conservation</i> , 2001, 10, 869-891.	2.6	6
115	The blackflies (Diptera: Simuliidae) of Bioko (Republic of Equatorial Guinea) and the Gulf of Guinea with a description of the larvae of the "Pomeroy" form of <i>Simulium cervicornutum</i> . <i>Systematic Entomology</i> , 2006, 31, 611-620.	3.9	6
116	Alternative approaches to Red-billed Quelea <i>Quelea quelea</i> management: mass-capture for food. <i>Ostrich</i> , 2014, 85, 31-37.	1.1	5
117	Predator-prey population models of migrant insects with phase change. <i>ICES Journal of Marine Science</i> , 2014, 71, 2221-2230.	2.5	5
118	A Locust Phase Change Model with Multiple Switching States and Random Perturbation. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630037.	1.7	5
119	A discrete host-parasitoid model with development of pesticide resistance and IPM strategies. <i>Journal of Biological Dynamics</i> , 2018, 12, 1059-1078.	1.7	5
120	Optimal threshold density in a stochastic resource management model with pulse intervention. <i>Natural Resource Modelling</i> , 2019, 32, .	2.0	5
121	A Universal Delayed Difference Model Fitting Dose-response Curves. <i>Dose-Response</i> , 2021, 19, 155932582110627.	1.6	5
122	The thermal constant of the onchocerciasis vector <i>Simulium damnosum</i> s.l. in West Africa. <i>Medical and Veterinary Entomology</i> , 2012, 26, 236-238.	1.5	4
123	Pure Bt-crop and mixed seed sowing strategies for optimal economic profit in the face of pest resistance to pesticides and Bt-corn. <i>Applied Mathematics and Computation</i> , 2016, 283, 6-21.	2.2	4
124	Micro-CT imaging of <i>Onchocerca</i> infection of <i>Simulium damnosum</i> s.l. blackflies and comparison of the peritrophic membrane thickness of forest and savannah flies. <i>Medical and Veterinary Entomology</i> , 2021, 35, 231-238.	1.5	4
125	Micro-CT visualization of a promastigote secretory gel (PSG) and parasite plug in the digestive tract of the sand fly <i>Lutzomyia longipalpis</i> infected with <i>Leishmania mexicana</i> . <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009682.	3.0	4
126	Threshold dynamics of a stochastic model of intermittent androgen deprivation therapy for prostate cancer. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 100, 105856.	3.3	4

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127	Complex dynamics and coexistence of period-doubling and period-halving bifurcations in an integrated pest management model with nonlinear impulsive control. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	4
128	Distribution and Relative Abundance of Bean Leaf Beetles (<i>Ootheca</i> spp.) (Insecta: Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	2.2	4
129	Anthropophily, zoophily and roles in onchocerciasis transmission of the Djodji form of <i>Simulium sanctipauli</i> and <i>S. squamosum</i> in a forest zone of Togo. <i>Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft FÄ¼r Technische Zusammenarbeit (GTZ)</i> , 1988, 39, 123-7.	0.2	4
130	Seasonal size variation in females of the <i>Simulium damnosum</i> complex in the Ivory Coast. <i>Tropenmedizin Und Parasitologie</i> , 1980, 31, 381-5.	0.2	4
131	Cycles in daily catches of members of the <i>Simulium damnosum</i> species complex. <i>Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft FÄ¼r Technische Zusammenarbeit (GTZ)</i> , 1995, 46, 247-52.	0.2	4
132	Towards the Elimination of the Bioko Form of <i>Simulium Yahense</i> from Bioko: Planning and Insecticide Trials. <i>Acta Zoologica Lituanica</i> , 2009, 19, 132-141.	0.3	3
133	Duality in Phase Space and Complex Dynamics of an Integrated Pest Management Network Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550103.	1.7	3
134	New pests for old as GMOs bring on substitute pests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8239-8240.	7.1	3
135	Mosquito Magnet Å® traps as a potential means of monitoring blackflies of medical and veterinary importance. <i>Medical and Veterinary Entomology</i> , 2021, 35, 646-651.	1.5	3
136	Fecundities of different members of the <i>Simulium damnosum</i> species complex in Togo. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1986, 80, 489-490.	1.8	2
137	A Holling Type II Discrete Switching Host-Parasitoid System with a Nonlinear Threshold Policy for Integrated Pest Management. <i>Discrete Dynamics in Nature and Society</i> , 2020, 2020, 1-14.	0.9	2
138	Complexities and Bifurcations Induced by Drug Responses in a Pulsed Tumour-Immune Model. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020, 30, 2050104.	1.7	2
139	Capture of high numbers of <i>Simulium</i> vectors can be achieved with Host Decoy Traps to support data acquisition in the onchocerciasis elimination endgame. <i>Acta Tropica</i> , 2021, 221, 106020.	2.0	2
140	Flexibility in the timing of post-nuptial moult among Red-billed Queleas <i>Quelea quelea</i> in Botswana in relation to the timing of breeding. <i>Ostrich</i> , 2007, 78, 555-559.	1.1	1
141	Inverse density dependence of parity rates in the onchocerciasis vector <i>Simulium damnosum</i> s.l. <i>Medical and Veterinary Entomology</i> , 2016, 30, 85-88.	1.5	1
142	Ecological characteristics of pre-imaginal stages of blackflies (Diptera: Simuliidae) in Southern England. <i>Aquatic Insects</i> , 0, , 1-18.	0.9	1
143	Variation in haematozoan parasitism at local and landscape levels in the red-billed quelea <i>Quelea quelea</i> . <i>Journal of Avian Biology</i> , 2007, .	1.2	1
144	A temporary focus of savanna species of the <i>Simulium damnosum</i> complex in the forest zone of Liberia. <i>Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft FÄ¼r Technische Zusammenarbeit (GTZ)</i> , 1991, 42, 181-7.	0.2	1

#	ARTICLE	IF	CITATIONS
145	Analyses of density-dependent effects are needed to understand how and when Wolbachia can control dengue vectors. BMC Biology, 2016, 14, 99.	3.8	0
146	Professor Rolf Garms. Parasitology Research, 2022, , 1.	1.6	0
147	Home quarantine or centralized quarantine? A mathematical modelling study on the COVID-19 epidemic in Guangzhou in 2021. Mathematical Biosciences and Engineering, 2022, 19, 9060-9078.	1.9	0