Andrew F Read

List of Publications by Year
in descending order

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Version: 2024-02-01

152	12,540	23567	28297
papers	citations	58 h-index	105 g-index

171	171	171	10920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A longitudinal study of the impact of university student return to campus on the SARS-CoV-2 seroprevalence among the community members. Scientific Reports, 2022, 12, .	3.3	8
2	Identifying key questions in the ecology and evolution of cancer. Evolutionary Applications, 2021, 14, 877-892.	3.1	58
3	The economics of managing evolution. PLoS Biology, 2021, 19, e3001409.	5.6	6
4	Effect of drug dose and timing of treatment on the emergence of drug resistance in vivo in a malaria model. Evolution, Medicine and Public Health, 2020, 2020, 196-210.	2.5	8
5	Modifying Adaptive Therapy to Enhance Competitive Suppression. Cancers, 2020, 12, 3556.	3.7	33
6	Antibiotics can be used to contain drug-resistant bacteria by maintaining sufficiently large sensitive populations. PLoS Biology, 2020, 18, e3000713.	5.6	50
7	Cancer therapy: Attempt cure or manage drug resistance?. Evolutionary Applications, 2020, 13, 1660-1672.	3.1	27
8	Evolutionary consequences of feedbacks between within-host competition and disease control. Evolution, Medicine and Public Health, 2020, 2020, 30-34.	2.5	7
9	Factors associated with antibiotic prescribing for acute bronchitis at a university health center. BMC Infectious Diseases, 2020, 20, 177.	2.9	10
10	Daptomycin treatment impacts resistance in off-target populations of vancomycin-resistant Enterococcus faecium. PLoS Biology, 2020, 18, e3000987.	5.6	13
11	Monitor for COVID-19 vaccine resistance evolution during clinical trials. PLoS Biology, 2020, 18, e3001000.	5.6	50
12	An adjunctive therapy administered with an antibiotic prevents enrichment of antibiotic-resistant clones of a colonizing opportunistic pathogen. ELife, 2020, 9, .	6.0	15
13	Title is missing!. , 2020, 18, e3000713.		0
14	Title is missing!. , 2020, 18, e3000713.		0
15	Title is missing!. , 2020, 18, e3000713.		0
16	Title is missing!. , 2020, 18, e3000713.		0
17	Title is missing!. , 2020, 18, e3000713.		0
18	Title is missing!. , 2020, 18, e3000713.		0

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19	Title is missing!. , 2020, 18, e3000987.		0
20	Title is missing!. , 2020, 18, e3000987.		0
21	Title is missing!. , 2020, 18, e3000987.		0
22	Title is missing!. , 2020, 18, e3000987.		0
23	Title is missing!. , 2020, 18, e3000987.		0
24	Title is missing!. , 2020, 18, e3000987.		0
25	Bystander Selection for Antimicrobial Resistance: Implications for Patient Health. Trends in Microbiology, 2019, 27, 864-877.	7.7	40
26	Impact of an Antimicrobial Stewardship Intervention on Within- and Between-Patient Daptomycin Resistance Evolution in Vancomycin-Resistant Enterococcus faecium. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	13
27	Vancomycin-Resistant Enterococcus Acquisition in a Tertiary Care Hospital: Testing the Roles of Antibiotic Use, Proton Pump Inhibitor Use, and Colonization Pressure. Open Forum Infectious Diseases, 2019, 6, ofz139.	0.9	16
28	Molecular epidemiology of Mareká€™s disease virus in central Pennsylvania, USA. Virus Evolution, 2019, 5, vey042.	4.9	6
29	The PLOS Biology XV Collection: 15 Years of Exceptional Science Highlighted across 12 Months. PLoS Biology, 2019, 17, e3000180.	5.6	1
30	Punctuated Evolution of Myxoma Virus: Rapid and Disjunct Evolution of a Recent Viral Lineage in Australia. Journal of Virology, 2019, 93, .	3.4	17
31	Evolution, Medicine and Public Health â€“ Embracing the Future. Evolution, Medicine and Public Health, 2019, , .	2.5	0
32	The contribution of host cell-directed vs. parasite-directed immunity to the disease and dynamics of malaria infections. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22386-22392.	7.1	11
33	Modeling Marek's disease virus transmission: A framework for evaluating the impact of farming practices and evolution. Epidemics, 2018, 23, 85-95.	3.0	16
34	Institution-wide and Within-Patient Evolution of Daptomycin Susceptibility in Vancomycin-Resistant Enterococcus faecium Bloodstream Infections. Infection Control and Hospital Epidemiology, 2018, 39, 226-228.	1.8	11
35	Why the evolution of vaccine resistance is less of a concern than the evolution of drug resistance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12878-12886.	7.1	79
36	Volatile biomarkers of symptomatic and asymptomatic malaria infection in humans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5780-5785.	7.1	55

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37	The impact of within-host ecology on the fitness of a drug-resistant parasite. Evolution, Medicine and Public Health, 2018, 2018, 127-137.	2.5	16
38	A Murine Model to Study Epilepsy and SUDEP Induced by Malaria Infection. Scientific Reports, 2017, 7, 43652.	3.3	12
39	The importance of temperature fluctuations in understanding mosquito population dynamics and malaria risk. Royal Society Open Science, 2017, 4, 160969.	2.4	88
40	Why does drug resistance readily evolve but vaccine resistance does not?. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162562.	2.6	125
41	Reverse Engineering Field Isolates of Myxoma Virus Demonstrates that Some Gene Disruptions or Losses of Function Do Not Explain Virulence Changes Observed in the Field. Journal of Virology, 2017, 91, .	3.4	9
42	A nutrient mediates intraspecific competition between rodent malaria parasitesin vivo. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171067.	2.6	33
43	Next step in the ongoing arms race between myxoma virus and wild rabbits in Australia is a novel disease phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9397-9402.	7.1	70
44	Resource limitation prevents the emergence of drug resistance by intensifying within-host competition. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13774-13779.	7.1	65
45	Industry-Wide Surveillance of Marek's Disease Virus on Commercial Poultry Farms. Avian Diseases, 2017, 61, 153.	1.0	37
46	The selfish germ. PLoS Biology, 2017, 15, e2003250.	5.6	0
47	Ecology, Evolution, and the Cancer Patient. , 2017, , 255-257.		0
48	How to Use a Chemotherapeutic Agent When Resistance to It Threatens the Patient. PLoS Biology, 2017, 15, e2001110.	5.6	103
49	Genomic and phenotypic characterization of myxoma virus from Great Britain reveals multiple evolutionary pathways distinct from those in Australia. PLoS Pathogens, 2017, 13, e1006252.	4.7	22
50	George C Williams Prize 2015. Evolution, Medicine and Public Health, 2016, 2016, 212-213.	2.5	0
51	Does High-Dose Antimicrobial Chemotherapy Prevent the Evolution of Resistance?. PLoS Computational Biology, 2016, 12, e1004689.	3.2	115
52	A deep sequencing tool for partitioning clearance rates following antimalarial treatment in polyclonal infections. Evolution, Medicine and Public Health, 2016, 2016, 21-36.	2.5	38
53	The threat (or not) of insecticide resistance for malaria control. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8900-8902.	7.1	46
54	Predicting optimal transmission investment in malaria parasites. Evolution; International Journal of Organic Evolution, 2016, 70, 1542-1558.	2.3	27

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55	DNA from Dust: Comparative Genomics of Large DNA Viruses in Field Surveillance Samples. MSphere, 2016, 1, .	2.9	13
56	Fitness consequences of altered feeding behavior in immune-challenged mosquitoes. Parasites and Vectors, 2016, 9, 113.	2.5	20
57	Potential drivers of virulence evolution in aquaculture. Evolutionary Applications, 2016, 9, 344-354.	3.1	81
58	Quantifying Transmission Investment in Malaria Parasites. PLoS Computational Biology, 2016, 12, e1004718.	3.2	20
59	Understanding genetic variation in in vivo tolerance to artesunate: implications for treatment efficacy and resistance monitoring. Evolutionary Applications, 2015, 8, 296-304.	3.1	10
60	Immune response and insulin signalling alter mosquito feeding behaviour to enhance malaria transmission potential. Scientific Reports, 2015, 5, 11947.	3.3	35
61	Relevance of Undetectably Rare Resistant Malaria Parasites in Treatment Failure: Experimental Evidence from Plasmodium chabaudi. American Journal of Tropical Medicine and Hygiene, 2015, 92, 1214-1221.	1.4	3
62	Imperfect Vaccination Can Enhance the Transmission of Highly Virulent Pathogens. PLoS Biology, 2015, 13, e1002198.	5.6	291
63	Existing Infection Facilitates Establishment and Density of Malaria Parasites in Their Mosquito Vector. PLoS Pathogens, 2015, 11, e1005003.	4.7	25
64	Clinical management of resistance evolution in a bacterial infection. Evolution, Medicine and Public Health, 2015, 2015, 281-288.	2.5	26
65	Is selection relevant in the evolutionary emergence of drug resistance?. Trends in Microbiology, 2015, 23, 126-133.	7.7	83
66	Myxoma Virus and the Leporipoxviruses: An Evolutionary Paradigm. Viruses, 2015, 7, 1020-1061.	3.3	79
67	An observational study of the temporal and spatial patterns of Marek's-disease-associated leukosis condemnation of young chickens in the United States of America. Preventive Veterinary Medicine, 2015, 120, 328-335.	1.9	12
68	Antibiotic Resistance: A Primer and Call to Action. Health Communication, 2015, 30, 309-314.	3.1	113
69	Antibiotic resistance management. Evolution, Medicine and Public Health, 2014, 2014, 147-147.	2.5	176
70	The path of least resistance: aggressive or moderate treatment?. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140566.	2.6	79
71	Immune-Mediated Competition in Rodent Malaria Is Most Likely Caused by Induced Changes in Innate Immune Clearance of Merozoites. PLoS Computational Biology, 2014, 10, e1003416.	3.2	7
72	Rapid Response to Selection, Competitive Release and Increased Transmission Potential of Artesunate-Selected Plasmodium chabaudi Malaria Parasites. PLoS Pathogens, 2014, 10, e1004019.	4.7	33

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73	Alterations in mosquito behaviour by malaria parasites: potential impact on force of infection. Malaria Journal, 2014, 13, 164.	2.3	50
74	Malaria-induced changes in host odors enhance mosquito attraction. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11079-11084.	7.1	137
75	Synchrony in Malaria Infections: How Intensifying Within-Host Competition Can Be Adaptive. American Naturalist, 2014, 183, E36-E49.	2.1	21
76	Genome Scale Evolution of Myxoma Virus Reveals Host-Pathogen Adaptation and Rapid Geographic Spread. Journal of Virology, 2013, 87, 12900-12915.	3.4	32
77	The effectiveness of mass vaccination on Marek's disease virus (MDV) outbreaks and detection within a broiler barn: A modeling study. Epidemics, 2013, 5, 208-217.	3.0	20
78	The vector as protector. Nature, 2013, 498, 177-178.	27.8	1
79	Relationship Between Levels of Very Virulent MDV in Poultry Dust and in Feather Tips from Vaccinated Chickens. Avian Diseases, 2013, 57, 440-447.	1.0	24
80	Aggressive Chemotherapy and the Selection of Drug Resistant Pathogens. PLoS Pathogens, 2013, 9, e1003578.	4.7	81
81	VACCINATION AND REDUCED COHORT DURATION CAN DRIVE VIRULENCE EVOLUTION: MAREKâ€™S DISEASE VIRUS AND INDUSTRIALIZED AGRICULTURE. Evolution; International Journal of Organic Evolution, 2013, 67, 851-860.	2.3	73
82	â€˜Manipulationâ€™ without the parasite: altered feeding behaviour of mosquitoes is not dependent on infection with malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130711.	2.6	97
83	The Effect of Temperature on Anopheles Mosquito Population Dynamics and the Potential for Malaria Transmission. PLoS ONE, 2013, 8, e79276.	2.5	236
84	Evolutionary History and Attenuation of Myxoma Virus on Two Continents. PLoS Pathogens, 2012, 8, e1002950.	4.7	91
85	The Evolutionary Consequences of Blood-Stage Vaccination on the Rodent Malaria Plasmodium chabaudi. PLoS Biology, 2012, 10, e1001368.	5.6	49
86	Lessons from Agriculture for the Sustainable Management of Malaria Vectors. PLoS Medicine, 2012, 9, e1001262.	8.4	73
87	Complex effects of temperature on mosquito immune function. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3357-3366.	2.6	139
88	Do malaria parasites manipulate mosquitoes?. Trends in Parasitology, 2012, 28, 466-470.	3.3	93
89	Malaria in India: The Center for the Study of Complex Malaria in India. Acta Tropica, 2012, 121, 267-273.	2.0	115
90	Prospective malaria control using entomopathogenic fungi: comparative evaluation of impact on transmission and selection for resistance. Malaria Journal, 2012, 11, 383.	2.3	22

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91	Evaluating the lethal and pre-lethal effects of a range of fungi against adult Anopheles stephensi mosquitoes. Malaria Journal, 2012, 11, 365.	2.3	29
92	Storage and persistence of a candidate fungal biopesticide for use against adult malaria vectors. Malaria Journal, 2012, 11, 354.	2.3	32
93	Enhanced Transmission of Drug-Resistant Parasites to Mosquitoes following Drug Treatment in Rodent Malaria. PLoS ONE, 2012, 7, e37172.	2.5	29
94	Causes of Variation in Malaria Infection Dynamics: Insights from Theory and Data. American Naturalist, 2011, 178, E174-E188.	2.1	26
95	Reduction in host-finding behaviour in fungus-infected mosquitoes is correlated with reduction in olfactory receptor neuron responsiveness. Malaria Journal, 2011, 10, 219.	2.3	34
96	Modelling Marek's Disease Virus (MDV) infection: parameter estimates for mortality rate and infectiousness. BMC Veterinary Research, 2011, 7, 70.	1.9	24
97	The evolution of drug resistance and the curious orthodoxy of aggressive chemotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10871-10877.	7.1	237
98	Lethal and Pre-Lethal Effects of a Fungal Biopesticide Contribute to Substantial and Rapid Control of Malaria Vectors. PLoS ONE, 2011, 6, e23591.	2.5	77
99	The Effects of Age, Exposure History and Malaria Infection on the Susceptibility of Anopheles Mosquitoes to Low Concentrations of Pyrethroid. PLoS ONE, 2011, 6, e24968.	2.5	53
100	CHEMOTHERAPY, WITHIN-HOST ECOLOGY AND THE FITNESS OF DRUG-RESISTANT MALARIA PARASITES. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	2.3	65
101	Identifying genetic markers of adaptation for surveillance of viral host jumps. Nature Reviews Microbiology, 2010, 8, 802-813.	28.6	138
102	Exposing malaria in-host diversity and estimating population diversity by capture-recapture using massively parallel pyrosequencing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20138-20143.	7.1	110
103	Influence of climate on malaria transmission depends on daily temperature variation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15135-15139.	7.1	443
104	Quantitative Analysis of Immune Response and Erythropoiesis during Rodent Malarial Infection. PLoS Computational Biology, 2010, 6, e1000946.	3.2	30
105	Insecticide Control of Vector-Borne Diseases: When Is Insecticide Resistance a Problem?. PLoS Pathogens, 2010, 6, e1001000.	4.7	298
106	Understanding the link between malaria risk and climate. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13844-13849.	7.1	355
107	How to Make Evolution-Proof Insecticides for Malaria Control. PLoS Biology, 2009, 7, e1000058.	5.6	208
108	Mosquitoes Cut Short. Science, 2009, 323, 51-52.	12.6	18

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109	Decomposing health: tolerance and resistance to parasites in animals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 37-49.	4.0	667
110	PERSPECTIVE: Evolutionary biology and the avoidance of antimicrobial resistance. Evolutionary Applications, 2009, 2, 40-51.	3.1	66
111	Towards evolutionâ€proof malaria control with insecticides. Evolutionary Applications, 2009, 2, 469-480.	3.1	82
112	Real-time quantitative PCR for analysis of candidate fungal biopesticides against malaria: Technique validation and first applications. Journal of Invertebrate Pathology, 2009, 100, 160-168.	3.2	60
113	THE IMPACT OF IMMUNIZATION ON COMPETITION WITHINPLASMODIUMINFECTIONS. Evolution; International Journal of Organic Evolution, 2008, 62, 2359-2371.	2.3	14
114	Does the drug sensitivity of malaria parasites depend on their virulence?. Malaria Journal, 2008, 7, 257.	2.3	32
115	Understanding and Predicting Strainâ€Specific Patterns of Pathogenesis in the Rodent MalariaPlasmodium chabaudi. American Naturalist, 2008, 172, E214-E238.	2.1	65
116	CD4 ⁺ T cells do not mediate within-host competition between genetically diverse malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1171-1179.	2.6	14
117	Animal Defenses against Infectious Agents: Is Damage Control More Important Than Pathogen Control. PLoS Biology, 2008, 6, e1000004.	5.6	187
118	Competitive release and facilitation of drug-resistant parasites after therapeutic chemotherapy in a rodent malaria model. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19914-19919.	7.1	167
119	Disentangling Genetic Variation for Resistance and Tolerance to Infectious Diseases in Animals. Science, 2007, 318, 812-814.	12.6	638
120	Fungal bioinsecticide with a sting. Nature Biotechnology, 2007, 25, 1367-1368.	17.5	35
121	Can fungal biopesticides control malaria?. Nature Reviews Microbiology, 2007, 5, 377-383.	28.6	239
122	WITHIN-HOST COMPETITION IN GENETICALLY DIVERSE MALARIA INFECTIONS: PARASITE VIRULENCE AND COMPETITIVE SUCCESS. Evolution; International Journal of Organic Evolution, 2006, 60, 1358-1371.	2.3	209
123	Plasmodium chabaudi: Reverse transcription PCR for the detection and quantification of transmission stage malaria parasites. Experimental Parasitology, 2006, 112, 13-20.	1.2	26
124	The Role of Immuneâ€Mediated Apparent Competition in Genetically Diverse Malaria Infections. American Naturalist, 2006, 168, 41-53.	2.1	131
125	Within-host competition in genetically diverse malaria infections: parasite virulence and competitive success. Evolution; International Journal of Organic Evolution, 2006, 60, 1358-71.	2.3	112
126	Dynamics of Multiple Infection and Withinâ€Host Competition in Genetically Diverse Malaria Infections. American Naturalist, 2005, 166, 531-542.	2.1	193

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127	Fungal Pathogen Reduces Potential for Malaria Transmission. Science, 2005, 308, 1638-1641.	12.6	293
128	Virulence and competitive ability in genetically diverse malaria infections. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7624-7628.	7.1	353
129	Evolutionary Causes and Consequences of Immunopathology. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 373-397.	8.3	338
130	Host heterogeneity is a determinant of competitive exclusion or coexistence in genetically diverse malaria infections. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1073-1080.	2.6	107
131	Competitive release of drug resistance following drug treatment of mixed Plasmodium chabaudi infections. Malaria Journal, 2004, 3, 33.	2.3	83
132	Immunity Promotes Virulence Evolution in a Malaria Model. PLoS Biology, 2004, 2, e230.	5.6	145
133	Real-time quantitative PCR for analysis of genetically mixed infections of malaria parasites: technique validation and applications. Molecular and Biochemical Parasitology, 2003, 131, 83-91.	1.1	63
134	Imperfect vaccination: some epidemiological and evolutionary consequences. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1129-1136.	2.6	176
135	Antitoxin vaccines and pathogen virulence. Nature, 2002, 417, 610-610.	27.8	5
136	Microbial evolution (Communication arising): Antitoxin vaccines and pathogen virulence. Nature, 2002, 417, 610-610.	27.8	45
137	Sex ratios of malaria parasites and related protozoa. , 2002, , 314-332.		12
138	Why is the effect of malaria parasites on mosquito survival still unresolved?. Trends in Parasitology, 2002, 18, 256-261.	3.3	196
139	Imperfect vaccines and the evolution of pathogen virulence. Nature, 2001, 414, 751-756.	27.8	557
140	The effect of partial host immunity on the transmission of malaria parasites. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2325-2330.	2.6	44
141	Evolutionary immunology?. Evolutionary Mechanisms of Defense Reactions. By V. Vetvieka & P. Sima. Birkhauser Verlag, Basel. 1998. 196 pp. Price CHF 148.00/DM 178.00 ISBN 3-7643-5813-0 (hardback).. Journal of Evolutionary Biology, 2000, 13, 151-152.	1.7	0
142	Sex allocation and population structure in apicomplexan (protozoa) parasites. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 257-263.	2.6	58
143	Plasmodium chabaudi: Effect of Antimalarial Drugs on Gametocytogenesis. Experimental Parasitology, 1999, 93, 45-54.	1.2	48
144	GENETIC RELATIONSHIPS BETWEEN PARASITE VIRULENCE AND TRANSMISSION IN THE RODENT MALARIAPLASMODIUM CHABAUDI. Evolution; International Journal of Organic Evolution, 1999, 53, 689-703.	2.3	173

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145	Host densities as determinants of abundance in parasite communities. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1283-1289.	2.6	451
146	VIRULENCE OF MIXED-CLONE AND SINGLE-CLONE INFECTIONS OF THE RODENT MALARIAPLASMODIUM CHABAUDI. Evolution; International Journal of Organic Evolution, 1998, 52, 583-591.	2.3	97
147	Drugs and parasites: global experiments in life history evolution?. Ecology Letters, 1998, 1, 10-12.	6.4	25
148	HOST IMMUNE STATUS DETERMINES SEXUALITY IN A PARASITIC NEMATODE. Evolution; International Journal of Organic Evolution, 1997, 51, 393-401.	2.3	65
149	Adaptive changes in Plasmodium transmission strategies following chloroquine chemotherapy. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 553-559.	2.6	102
150	Mixedâ€“genotype infections of malaria parasites: withinâ€“host dynamics and transmission success of competing clones. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 927-935.	2.6	106
151	The evolution of virulence. Nature, 1993, 362, 500-501.	27.8	11
152	HALDANE'S COINCIDENCE: A REPLY TO BROOKFIELD. Evolution; International Journal of Organic Evolution, 1993, 47, 1888-1889.	2.3	2