

Angus Buckling

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

13,103
citations

63
h-index

110
g-index

215
ext. papers

15,785
ext. citations

9.6
avg, IF

6.75
L-index

#	Paper	IF	Citations
199	Parallel evolution of <i>Pseudomonas aeruginosa</i> phage resistance and virulence loss in response to phage treatment and .. <i>ELife</i> , 2022 , 11,	8.9	2
198	Rapid decline of adaptation of to soil biotic environment.. <i>Biology Letters</i> , 2022 , 18, 20210593	3.6	1
197	Greater Phage Genotypic Diversity Constrains Arms-Race Coevolution.. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022 , 12, 834406	5.9	1
196	Mitigation of evolved bacterial resistance to phage therapy.. <i>Current Opinion in Virology</i> , 2022 , 53, 1012015	7.5	2
195	Disturbance-mediated invasions are dependent on community resource abundance.. <i>Ecology</i> , 2022 , e37286	7.6	2
194	Antimicrobial resistance acquisition via natural transformation: context is everything. <i>Current Opinion in Microbiology</i> , 2021 , 64, 133-138	7.9	2
193	Overcoming the growth-infectivity trade-off in a bacteriophage slows bacterial resistance evolution. <i>Evolutionary Applications</i> , 2021 , 14, 2055-2063	4.8	6
192	The impact of propagule pressure on whole community invasions in biomethane-producing communities. <i>IScience</i> , 2021 , 24, 102659	6.1	2
191	Interspecific Niche Competition Increases Morphological Diversity in Multi-Species Microbial Communities. <i>Frontiers in Microbiology</i> , 2021 , 12, 699190	5.7	0
190	Increased copy number couples the evolution of plasmid horizontal transmission and plasmid-encoded antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
189	Compost spatial heterogeneity promotes evolutionary diversification of a bacterium. <i>Journal of Evolutionary Biology</i> , 2021 , 34, 246-255	2.3	4
188	How disturbance history alters invasion success: biotic legacies and regime change. <i>Ecology Letters</i> , 2021 , 24, 687-697	10	5
187	The effect of Quorum sensing inhibitors on the evolution of CRISPR-based phage immunity in <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2021 , 15, 2465-2473	11.9	10
186	Stress causes interspecific facilitation within a compost community. <i>Ecology Letters</i> , 2021 , 24, 2169-2177	10	3
185	Duration and timing interactions of early-life stress and the potential for recovery. <i>Ecosphere</i> , 2021 , 12, e03620	3.1	0
184	Community coalescence: an eco-evolutionary perspective. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190252	5.8	22
183	Warmer temperatures enhance beneficial mutation effects. <i>Journal of Evolutionary Biology</i> , 2020 , 33, 1020	2.3	5

182	Disentangling the mechanisms underpinning disturbance-mediated invasion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20192415	4.4	10
181	Resource heterogeneity and the evolution of public goods cooperation. <i>Evolution Letters</i> , 2020 , 4, 155-163	5.3	3
180	Evolutionary temperature compensation of carbon fixation in marine phytoplankton. <i>Ecology Letters</i> , 2020 , 23, 722-733	10	26
179	The Reproductive Microbiome: An Emerging Driver of Sexual Selection, Sexual Conflict, Mating Systems, and Reproductive Isolation. <i>Trends in Ecology and Evolution</i> , 2020 , 35, 220-234	10.9	43
178	The effect of phage genetic diversity on bacterial resistance evolution. <i>ISME Journal</i> , 2020 , 14, 828-836	11.9	24
177	Determining the prevalence, identity and possible origin of bacterial pathogens in soil. <i>Environmental Microbiology</i> , 2020 , 22, 5327-5340	5.2	3
176	Experimental (co)evolution in a multi-species microbial community results in local maladaptation. <i>Ecology Letters</i> , 2020 , 23, 1673-1681	10	11
175	Evolution of diversity explains the impact of pre-adaptation of a focal species on the structure of a natural microbial community. <i>ISME Journal</i> , 2020 , 14, 2877-2889	11.9	3
174	Temperature-dependent changes to host-parasite interactions alter the thermal performance of a bacterial host. <i>ISME Journal</i> , 2020 , 14, 389-398	11.9	22
173	Resident microbial communities inhibit growth and antibiotic-resistance evolution of <i>Escherichia coli</i> in human gut microbiome samples. <i>PLoS Biology</i> , 2020 , 18, e3000465	9.7	20
172	Sexual Selection in Bacteria?. <i>Trends in Microbiology</i> , 2019 , 27, 972-981	12.4	8
171	Bacteria from natural populations transfer plasmids mostly towards their kin. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191110	4.4	25
170	Addiction systems antagonize bacterial adaptive immunity. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	5
169	Targeting antibiotic resistant bacteria with phage reduces bacterial density in an insect host. <i>Biology Letters</i> , 2019 , 15, 20180895	3.6	4
168	Coevolutionary dynamics shape the structure of bacteria-phage infection networks. <i>Evolution; International Journal of Organic Evolution</i> , 2019 , 73, 1001-1011	3.8	14
167	Selection for antimicrobial resistance is reduced when embedded in a natural microbial community. <i>ISME Journal</i> , 2019 , 13, 2927-2937	11.9	44
166	Anthropogenic remediation of heavy metals selects against natural microbial remediation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20190804	4.4	6
165	A shared coevolutionary history does not alter the outcome of coalescence in experimental populations of <i>Pseudomonas fluorescens</i> . <i>Journal of Evolutionary Biology</i> , 2019 , 32, 58-65	2.3	5

164	No effect of intraspecific relatedness on public goods cooperation in a complex community. <i>Evolution; International Journal of Organic Evolution</i> , 2018 , 72, 1165-1173	3.8	9
163	Specific adaptation to strong competitors can offset the negative effects of population size reductions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	6
162	Within-host interference competition can prevent invasion of rare parasites. <i>Parasitology</i> , 2018 , 145, 770-774	2.7	3
161	Anti-CRISPR Phages Cooperate to Overcome CRISPR-Cas Immunity. <i>Cell</i> , 2018 , 174, 908-916.e12	56.2	108
160	The effect of cheats on siderophore diversity in <i>Pseudomonas aeruginosa</i> . <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1330-1339	2.3	7
159	Ecological selection of siderophore-producing microbial taxa in response to heavy metal contamination. <i>Ecology Letters</i> , 2018 , 21, 117-127	10	58
158	Biodiversity-function relationships in methanogenic communities. <i>Molecular Ecology</i> , 2018 , 27, 4641-4654	4.7	16
157	Temperature drives diversification in a model adaptive radiation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285,	4.4	5
156	Linking phytoplankton community metabolism to the individual size distribution. <i>Ecology Letters</i> , 2018 , 21, 1152-1161	10	16
155	Co-evolution with <i>Staphylococcus aureus</i> leads to lipopolysaccharide alterations in <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2017 , 11, 2233-2243	11.9	49
154	Growth rate, transmission mode and virulence in human pathogens. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	29
153	Fast-killing parasites can be favoured in spatially structured populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	11
152	Adaptation of phytoplankton to a decade of experimental warming linked to increased photosynthesis. <i>Nature Ecology and Evolution</i> , 2017 , 1, 94	12.3	78
151	A Single Community Dominates Structure and Function of a Mixture of Multiple Methanogenic Communities. <i>Current Biology</i> , 2017 , 27, 3390-3395.e4	6.3	44
150	Host-parasite fluctuating selection in the absence of specificity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	17
149	Metabolic compensation constrains the temperature dependence of gross primary production. <i>Ecology Letters</i> , 2017 , 20, 1250-1260	10	46
148	Mechanisms and consequences of diversity-generating immune strategies. <i>Nature Reviews Immunology</i> , 2017 , 17, 719-728	36.5	10
147	Host diversity limits the evolution of parasite local adaptation. <i>Molecular Ecology</i> , 2017 , 26, 1756-1763	5.7	21

146	Parasite genetic distance and local adaptation in co-evolving bacteria-bacteriophage populations. <i>Molecular Ecology</i> , 2017 , 26, 1747-1755	5.7	3
145	Microbial Community Composition of Mine Wastes in Cornwall and West Devon (UK). <i>Solid State Phenomena</i> , 2017 , 262, 290-293	0.4	1
144	Adaptation to public goods cheats in. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	22
143	Immigration of susceptible hosts triggers the evolution of alternative parasite defence strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	26
142	No effect of natural transformation on the evolution of resistance to bacteriophages in the <i>Acinetobacter baylyi</i> model system. <i>Scientific Reports</i> , 2016 , 6, 37144	4.9	0
141	Migration highways and migration barriers created by host-parasite interactions. <i>Ecology Letters</i> , 2016 , 19, 1479-1485	10	7
140	Evolutionary Ecology of Prokaryotic Immune Mechanisms. <i>Microbiology and Molecular Biology Reviews</i> , 2016 , 80, 745-63	13.2	139
139	Local adaptation of a bacterium is as important as its presence in structuring a natural microbial community. <i>Nature Communications</i> , 2016 , 7, 12453	17.4	50
138	Resource-dependent antagonistic coevolution leads to a new paradox of enrichment. <i>Ecology</i> , 2016 , 97, 1319-28	4.6	8
137	Prophages mediate defense against phage infection through diverse mechanisms. <i>ISME Journal</i> , 2016 , 10, 2854-2866	11.9	176
136	Host population bottlenecks drive parasite extinction during antagonistic coevolution. <i>Evolution; International Journal of Organic Evolution</i> , 2016 , 70, 235-40	3.8	13
135	Rapid evolution of metabolic traits explains thermal adaptation in phytoplankton. <i>Ecology Letters</i> , 2016 , 19, 133-142	10	162
134	Iron availability shapes the evolution of bacteriocin resistance in <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2016 , 10, 2060-6	11.9	18
133	The diversity-generating benefits of a prokaryotic adaptive immune system. <i>Nature</i> , 2016 , 532, 385-8	50.4	167
132	Adaptation to abiotic conditions drives local adaptation in bacteria and viruses coevolving in heterogeneous environments. <i>Biology Letters</i> , 2016 , 12, 20150879	3.6	19
131	Parasite Exposure Drives Selective Evolution of Constitutive versus Inducible Defense. <i>Current Biology</i> , 2015 , 25, 1043-9	6.3	166
130	Siderophore cooperation of the bacterium <i>Pseudomonas fluorescens</i> in soil. <i>Biology Letters</i> , 2015 , 11, 20140934	3.6	41
129	Population mixing promotes arms race host-parasite coevolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142297	4.4	46

128	The sociality of bioremediation: Hijacking the social lives of microbial populations to clean up heavy metal contamination. <i>EMBO Reports</i> , 2015 , 16, 1241-5	6.5	13
127	The impact of resource availability on bacterial resistance to phages in soil. <i>PLoS ONE</i> , 2015 , 10, e0123752	5.7	23
126	Experimental evolution and bacterial resistance: (co)evolutionary costs and trade-offs as opportunities in phage therapy research. <i>Bacteriophage</i> , 2015 , 5, e1050153		34
125	Coevolution with bacteriophages drives genome-wide host evolution and constrains the acquisition of abiotic-beneficial mutations. <i>Molecular Biology and Evolution</i> , 2015 , 32, 1425-35	8.3	77
124	Quality and safety requirements for sustainable phage therapy products. <i>Pharmaceutical Research</i> , 2015 , 32, 2173-9	4.5	129
123	Virus Satellites Drive Viral Evolution and Ecology. <i>PLoS Genetics</i> , 2015 , 11, e1005609	6	40
122	Effects of epistasis on infectivity range during host-parasite coevolution. <i>Evolution; International Journal of Organic Evolution</i> , 2014 , 68, 2972-82	3.8	11
121	Spatial structure mitigates fitness costs in host-parasite coevolution. <i>American Naturalist</i> , 2014 , 183, E64-74	3.7	23
120	Phages can constrain protist predation-driven attenuation of <i>Pseudomonas aeruginosa</i> virulence in multienemy communities. <i>ISME Journal</i> , 2014 , 8, 1820-30	11.9	23
119	Social evolution of toxic metal bioremediation in <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281,	4.4	30
118	Higher resources decrease fluctuating selection during host-parasite coevolution. <i>Ecology Letters</i> , 2014 , 17, 1380-8	10	46
117	An experimental study of strong reciprocity in bacteria. <i>Biology Letters</i> , 2014 , 10, 20131069	3.6	12
116	CRISPR-Cas systems: beyond adaptive immunity. <i>Nature Reviews Microbiology</i> , 2014 , 12, 317-26	22.2	213
115	The interplay between microevolution and community structure in microbial populations. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 821-5	11.4	13
114	Experimental evolution of adaptive phenotypic plasticity in a parasite. <i>Current Biology</i> , 2013 , 23, 139-42	6.3	35
113	Generalism and the evolution of parasite virulence. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 592-6	10.9	88
112	Multidrug therapy and evolution of antibiotic resistance: when order matters. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6521	4.8	3
111	Effects of predation on real-time host-parasite coevolutionary dynamics. <i>Ecology Letters</i> , 2013 , 16, 39-46	10	62

110	Real-time microbial adaptive diversification in soil. <i>Ecology Letters</i> , 2013 , 16, 650-5	10	51
109	Coevolution with phages does not influence the evolution of bacterial mutation rates in soil. <i>ISME Journal</i> , 2013 , 7, 2242-4	11.9	21
108	<i>Pseudomonas aeruginosa</i> adaptation to lungs of cystic fibrosis patients leads to lowered resistance to phage and protist enemies. <i>PLoS ONE</i> , 2013 , 8, e75380	3.7	30
107	Protist predation can favour cooperation within bacterial species. <i>Biology Letters</i> , 2013 , 9, 20130548	3.6	40
106	The role of 'soaking' in spiteful toxin production in <i>Pseudomonas aeruginosa</i> . <i>Biology Letters</i> , 2013 , 9, 20120569	3.6	6
105	The evolution of bacterial mutation rates under simultaneous selection by interspecific and social parasitism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131913	4.4	13
104	A trade-off between oxidative stress resistance and DNA repair plays a role in the evolution of elevated mutation rates in bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20130007	4.4	32
103	Phages limit the evolution of bacterial antibiotic resistance in experimental microcosms. <i>Evolutionary Applications</i> , 2012 , 5, 575-82	4.8	65
102	Spite versus cheats: competition among social strategies shapes virulence in <i>Pseudomonas aeruginosa</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 3472-84	3.8	21
101	Selection on non-social traits limits the invasion of social cheats. <i>Ecology Letters</i> , 2012 , 15, 841-6	10	45
100	Multidrug therapy and evolution of antibiotic resistance: when order matters. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 6137-42	4.8	24
99	The costs of evolving resistance in heterogeneous parasite environments. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1896-903	4.4	82
98	Diversity-disturbance relationships: frequency and intensity interact. <i>Biology Letters</i> , 2012 , 8, 768-71	3.6	53
97	The mode of host-parasite interaction shapes coevolutionary dynamics and the fate of host cooperation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 3742-8	4.4	22
96	Bacteria-virus coevolution. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 751, 347-70	3.6	48
95	Gut dysbiosis in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2012 , 11, 454-5	4.1	44
94	Co-evolution with lytic phage selects for the mucoid phenotype of <i>Pseudomonas fluorescens</i> SBW25. <i>ISME Journal</i> , 2012 , 6, 1148-58	11.9	70
93	Effects of sequential and simultaneous applications of bacteriophages on populations of <i>Pseudomonas aeruginosa</i> in vitro and in wax moth larvae. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 5646-52	4.8	92

92	Introducing yesterday's phage therapy in today's medicine. <i>Future Virology</i> , 2012 , 7, 379-390	2.4	58
91	Local biotic environment shapes the spatial scale of bacteriophage adaptation to bacteria. <i>American Naturalist</i> , 2011 , 177, 440-51	3.7	84
90	Bacteria-phage coevolution and the emergence of generalist pathogens. <i>American Naturalist</i> , 2011 , 177, 44-53	3.7	72
89	Wider access to genotypic space facilitates loss of cooperation in a bacterial mutator. <i>PLoS ONE</i> , 2011 , 6, e17254	3.7	6
88	Antagonistic coevolution limits population persistence of a virus in a thermally deteriorating environment. <i>Ecology Letters</i> , 2011 , 14, 282-8	10	43
87	Host-parasite coevolutionary arms races give way to fluctuating selection. <i>Ecology Letters</i> , 2011 , 14, 635-42	14	199
86	Genetic basis of infectivity evolution in a bacteriophage. <i>Molecular Ecology</i> , 2011 , 20, 981-9	5.7	77
85	Selection experiments reveal trade-offs between swimming and twitching motilities in <i>Pseudomonas aeruginosa</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 3060-9	3.8	16
84	Using experimental evolution to explore natural patterns between bacterial motility and resistance to bacteriophages. <i>ISME Journal</i> , 2011 , 5, 1809-17	11.9	17
83	The phage therapy paradigm: pre-emptive or sur-mesure?. <i>Pharmaceutical Research</i> , 2011 , 28, 934-7	4.5	188
82	Bacteria-phage antagonistic coevolution in soil. <i>Science</i> , 2011 , 332, 106-9	33.3	309
81	Spite and the scale of competition in <i>Pseudomonas aeruginosa</i> . <i>American Naturalist</i> , 2011 , 178, 276-85	3.7	23
80	Bacteriophage selection against a plasmid-encoded sex apparatus leads to the loss of antibiotic-resistance plasmids. <i>Biology Letters</i> , 2011 , 7, 902-5	3.6	50
79	The effect of elevated mutation rates on the evolution of cooperation and virulence of <i>Pseudomonas aeruginosa</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 515-21	3.8	26
78	Impact of bacterial mutation rate on coevolutionary dynamics between bacteria and phages. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 2980-7	3.8	26
77	Antagonistic coevolution accelerates molecular evolution. <i>Nature</i> , 2010 , 464, 275-8	50.4	367
76	Protists have divergent effects on bacterial diversity along a productivity gradient. <i>Biology Letters</i> , 2010 , 6, 639-42	3.6	31
75	Quorum sensing inhibition selects for virulence and cooperation in <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2010 , 6, e1000883	7.6	127

74	The population genetics of antibiotic resistance: integrating molecular mechanisms and treatment contexts. <i>Nature Reviews Genetics</i> , 2010 , 11, 405-14	30.1	140
73	Hypermutable and compensatory adaptation in antibiotic-resistant bacteria. <i>American Naturalist</i> , 2010 , 176, 303-11	3.7	42
72	Competition and dispersal in <i>Pseudomonas aeruginosa</i> . <i>American Naturalist</i> , 2010 , 176, 83-9	3.7	21
71	Ecological drivers of the evolution of public-goods cooperation in bacteria. <i>Ecology</i> , 2010 , 91, 334-40	4.6	32
70	The evolution of antibiotic resistance: insight into the roles of molecular mechanisms of resistance and treatment context. <i>Discovery Medicine</i> , 2010 , 10, 112-8	2.5	13
69	Spite and virulence in the bacterium <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 5703-7	11.5	105
68	Cooperation and virulence of clinical <i>Pseudomonas aeruginosa</i> populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6339-44	11.5	178
67	Local adaptation of bacteriophages to their bacterial hosts in soil. <i>Science</i> , 2009 , 325, 833	33.3	125
66	The distribution of fitness effects of beneficial mutations in <i>Pseudomonas aeruginosa</i> . <i>PLoS Genetics</i> , 2009 , 5, e1000406	6	88
65	Viscous medium promotes cooperation in the pathogenic bacterium <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3531-8	4.4	147
64	Host mixing and disease emergence. <i>Current Biology</i> , 2009 , 19, 764-7	6.3	51
63	Quantifying the relative importance of niches and neutrality for coexistence in a model microbial system. <i>Functional Ecology</i> , 2009 , 23, 1139-1147	5.6	24
62	Siderophore production and biofilm formation as linked social traits. <i>ISME Journal</i> , 2009 , 3, 632-4	11.9	60
61	The Beagle in a bottle. <i>Nature</i> , 2009 , 457, 824-9	50.4	167
60	Coevolution between cooperators and cheats in a microbial system. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 2248-56	3.8	23
59	Density dependence and cooperation: theory and a test with bacteria. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 2315-25	3.8	90
58	Source populations act as coevolutionary pacemakers in experimental selection mosaics containing hotspots and coldspots. <i>American Naturalist</i> , 2009 , 173, E171-6	3.7	27
57	Cooperative production of siderophores by <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 4113-26	2.8	29

56	Interspecific competition and siderophore-mediated cooperation in <i>Pseudomonas aeruginosa</i> . <i>ISME Journal</i> , 2008 , 2, 49-55	11.9	112
55	A social life for discerning microbes. <i>Cell</i> , 2008 , 135, 600-3	56.2	35
54	Identification of factors contributing to T-cell toxicity of <i>Staphylococcus aureus</i> clinical isolates. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 2112-4	9.7	21
53	The evolution of specificity in evolving and coevolving antagonistic interactions between a bacteria and its phage. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 1-11	3.8	140
52	Resource supply and the evolution of public-goods cooperation in bacteria. <i>BMC Biology</i> , 2008 , 6, 20	7.3	63
51	The interactive effects of parasites, disturbance, and productivity on experimental adaptive radiations. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 467-77	3.8	35
50	Niche occupation limits adaptive radiation in experimental microcosms. <i>PLoS ONE</i> , 2007 , 2, e193	3.7	62
49	Experimental coevolution with bacteria and phage. The <i>Pseudomonas fluorescens</i> --Phi2 model system. <i>Infection, Genetics and Evolution</i> , 2007 , 7, 547-52	4.5	99
48	Coevolution with viruses drives the evolution of bacterial mutation rates. <i>Nature</i> , 2007 , 450, 1079-81	50.4	223
47	The impact of migration from parasite-free patches on antagonistic host-parasite coevolution. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 1238-43	3.8	27
46	Siderophore-mediated cooperation and virulence in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Ecology</i> , 2007 , 62, 135-41	4.3	119
45	Differential impact of simultaneous migration on coevolving hosts and parasites. <i>BMC Evolutionary Biology</i> , 2007 , 7, 1	3	174
44	Cooperation peaks at intermediate disturbance. <i>Current Biology</i> , 2007 , 17, 761-5	6.3	104
43	High relatedness selects against hypermutability in bacterial metapopulations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 1341-7	4.4	18
42	Source-sink dynamics shape the evolution of antibiotic resistance and its pleiotropic fitness cost. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2351-6	4.4	78
41	Epidemiology. Keep it local. <i>Science</i> , 2007 , 315, 1227-8	33.3	4
40	The Social Lives of Microbes. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2007 , 38, 53-77	13.5	478
39	Character displacement promotes cooperation in bacterial biofilms. <i>Current Biology</i> , 2006 , 16, 2030-4	6.3	95

38	Antagonistic coevolution with parasites increases the cost of host deleterious mutations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 45-9	4.4	84
37	Aggr interference between clinical <i>Staphylococcus aureus</i> strains in an insect model of virulence. <i>Journal of Bacteriology</i> , 2006 , 188, 7686-8	3.5	40
36	Cooperation and virulence in acute <i>Pseudomonas aeruginosa</i> infections. <i>BMC Biology</i> , 2006 , 4, 21	7.3	151
35	The effect of a bacteriophage on diversification of the opportunistic bacterial pathogen, <i>Pseudomonas aeruginosa</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005 , 272, 1385-91	4.4	108
34	Surface plasmon resonance shows that type IV pili are important in surface attachment by <i>Pseudomonas aeruginosa</i> . <i>Journal of the Royal Society Interface</i> , 2005 , 2, 255-9	4.1	24
33	The use of model <i>Pseudomonas fluorescens</i> populations to study the causes and consequences of microbial diversity 2005 , 83-99		
32	The effect of migration on local adaptation in a coevolving host-parasite system. <i>Nature</i> , 2005 , 437, 253-6	5.4	214
31	DDT resistance in flies carries no cost. <i>Current Biology</i> , 2005 , 15, R587-9	6.3	69
30	Hypermotability impedes cooperation in pathogenic bacteria. <i>Current Biology</i> , 2005 , 15, 1968-71	6.3	48
29	Microbial experiments on adaptive landscapes. <i>BioEssays</i> , 2005 , 27, 1167-73	4.1	38
28	Clonal distribution and phase-variable expression of a major histocompatibility complex analogue protein in <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 2917-9	3.5	13
27	Interference competition and parasite virulence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 785-8	4.4	84
26	Bacteriocins, spite and virulence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 1529-35	4.1	186
25	Parasites mediate the relationship between host diversity and disturbance frequency. <i>Ecology Letters</i> , 2004 , 7, 1029-1034	10	17
24	Cooperation and competition in pathogenic bacteria. <i>Nature</i> , 2004 , 430, 1024-7	50.4	711
23	Study of the attachment of <i>Pseudomonas aeruginosa</i> on gold and modified gold surfaces using surface plasmon resonance. <i>Biotechnology Progress</i> , 2004 , 20, 1233-6	2.8	30
22	Big questions, small worlds: microbial model systems in ecology. <i>Trends in Ecology and Evolution</i> , 2004 , 19, 189-97	10.9	338
21	The effect of spatial heterogeneity and parasites on the evolution of host diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 107-11	4.4	96

20	Population mixing accelerates coevolution. <i>Ecology Letters</i> , 2003 , 6, 975-979	10	118
19	Adaptation limits diversification of experimental bacterial populations. <i>Science</i> , 2003 , 302, 2107-9	33.3	86
18	Cooperation, virulence and siderophore production in bacterial parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 37-44	4.4	243
17	The role of parasites in sympatric and allopatric host diversification. <i>Nature</i> , 2002 , 420, 496-9	50.4	229
16	Mechanisms linking diversity, productivity and invasibility in experimental bacterial communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2277-83	4.4	97
15	Antagonistic coevolution between a bacterium and a bacteriophage. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 931-6	4.4	452
14	Environmental regulation of mutation rates at specific sites. <i>Trends in Microbiology</i> , 2002 , 10, 580-4	12.4	24
13	Phenotypic switching of antibiotic resistance circumvents permanent costs in <i>Staphylococcus aureus</i> . <i>Current Biology</i> , 2001 , 11, 1810-4	6.3	103
12	The effect of partial host immunity on the transmission of malaria parasites. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 2325-30	4.4	41
11	Diversity peaks at intermediate productivity in a laboratory microcosm. <i>Nature</i> , 2000 , 406, 508-12	50.4	249
10	Disturbance and diversity in experimental microcosms. <i>Nature</i> , 2000 , 408, 961-4	50.4	236
9	The emergence and maintenance of diversity: insights from experimental bacterial populations. <i>Trends in Ecology and Evolution</i> , 2000 , 15, 243-247	10.9	146
8	The causes of <i>Pseudomonas</i> diversity. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 10), 2345-2350	2.9	210
7	<i>Plasmodium chabaudi</i> : effect of antimalarial drugs on gametocytogenesis. <i>Experimental Parasitology</i> , 1999 , 93, 45-54	2.1	43
6	Anti-CRISPR phages cooperate to overcome CRISPR-Cas immunity		2
5	Short-term evolution under copper stress increases probability of plasmid uptake		1
4	Transient CRISPR immunity leads to coexistence with phages		1
3	Increased copy number couples the evolution of plasmid horizontal transmission and antibiotic resistance		4

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|---|---|---|
| 2 | Selection for antibiotic resistance is reduced when embedded in a natural microbial community | 2 |
| 1 | Ecological selection of siderophore-producing microbial taxa in response to heavy metal contamination | 1 |