

# Johannes Cairns

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

530  
citations

759233

12  
h-index

839539

18  
g-index

25  
all docs

25  
docs citations

25  
times ranked

718  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of phenotypic variation on consumer coexistence and prey community structure. <i>Ecology Letters</i> , 2022, 25, 307-319.	6.4	5
2	Effect of mutation supply on population dynamics and trait evolution in an experimental microbial community. <i>Ecology Letters</i> , 2022, 25, 355-365.	6.4	1
3	Biological units of antimicrobial resistance and strategies for their containment in animal production. <i>FEMS Microbiology Ecology</i> , 2022, , .	2.7	1
4	Strong selective environments determine evolutionary outcome in time-dependent fitness seascapes. <i>Evolution Letters</i> , 2022, 6, 266-279.	3.3	4
5	Drug-induced resistance evolution necessitates less aggressive treatment. <i>PLoS Computational Biology</i> , 2021, 17, e1009418.	3.2	14
6	Repeatable ecological dynamics govern the response of experimental communities to antibiotic pulse perturbation. <i>Nature Ecology and Evolution</i> , 2020, 4, 1385-1394.	7.8	22
7	Evolution in interacting species alters predator life-history traits, behaviour and morphology in experimental microbial communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200652.	2.6	9
8	Predator coevolution and prey trait variability determine species coexistence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190245.	2.6	17
9	Contrasting the impact of cytotoxic and cytostatic drug therapies on tumour progression. <i>PLoS Computational Biology</i> , 2019, 15, e1007493.	3.2	26
10	Ecology determines how low antibiotic concentration impacts community composition and horizontal transfer of resistance genes. <i>Communications Biology</i> , 2018, 1, 35.	4.4	80
11	Host range of antibiotic resistance genes in wastewater treatment plant influent and effluent. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	148
12	Dual-stressor selection alters eco-evolutionary dynamics in experimental communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1974-1981.	7.8	38
13	Black Queen Evolution and Trophic Interactions Determine Plasmid Survival after the Disruption of the Conjugation Network. <i>MSystems</i> , 2018, 3, .	3.8	18
14	Construction and Characterization of Synthetic Bacterial Community for Experimental Ecology and Evolution. <i>Frontiers in Genetics</i> , 2018, 9, 312.	2.3	28
15	Sublethal streptomycin concentrations and lytic bacteriophage together promote resistance evolution. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160040.	4.0	39
16	Genomic evolution of bacterial populations under coselection by antibiotics and phage. <i>Molecular Ecology</i> , 2017, 26, 1848-1859.	3.9	19
17	Evolving interactions between diazotrophic cyanobacterium and phage mediate nitrogen release and host competitive ability. <i>Royal Society Open Science</i> , 2016, 3, 160839.	2.4	31
18	Conjugation is necessary for a bacterial plasmid to survive under protozoan predation. <i>Biology Letters</i> , 2016, 12, 20150953.	2.3	28