

# Thomas Bell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3648039/publications.pdf>

Version: 2024-02-01

49  
papers

5,271  
citations

196777

29  
h-index

232693

48  
g-index

59  
all docs

59  
docs citations

59  
times ranked

8461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbial community succession in steam-sterilized greenhouses infected with <i>Fusarium oxysporum</i> . Environmental Microbiology Reports, 2022, , .	1.0	4
2	Testing bats in rehabilitation for SARS-CoV-2 before release into the wild. Conservation Science and Practice, 2022, 4, .	0.9	8
3	Bacterial communities in larger islands have reduced temporal turnover. ISME Journal, 2021, 15, 2947-2955.	4.4	8
4	Systematic variation in the temperature dependence of bacterial carbon use efficiency. Ecology Letters, 2021, 24, 2123-2133.	3.0	22
5	Relationships between community composition, productivity and invasion resistance in semi-natural bacterial microcosms. ELife, 2021, 10, .	2.8	15
6	Many roads to bacterial generalism. FEMS Microbiology Ecology, 2020, 97, .	1.3	21
7	Community-level signatures of ecological succession in natural bacterial communities. Nature Communications, 2020, 11, 2386.	5.8	33
8	Metabolically cohesive microbial consortia and ecosystem functioning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190245.	1.8	37
9	Bacterial adaptation is constrained in complex communities. Nature Communications, 2020, 11, 754.	5.8	111
10	functionInk: An efficient method to detect functional groups in multidimensional networks reveals the hidden structure of ecological communities. Methods in Ecology and Evolution, 2020, 11, 804-817.	2.2	7
11	Uncovering the rules of microbial community invasions. Nature Ecology and Evolution, 2019, 3, 1162-1171.	3.4	46
12	Community-level respiration of prokaryotic microbes may rise with global warming. Nature Communications, 2019, 10, 5124.	5.8	55
13	Next-generation experiments linking community structure and ecosystem functioning. Environmental Microbiology Reports, 2019, 11, 20-22.	1.0	23
14	Experimental Testing of Dispersal Limitation in Soil Bacterial Communities with a Propagule Addition Approach. Microbial Ecology, 2019, 77, 905-912.	1.4	4
15	Global patterns and drivers of ecosystem functioning in rivers and riparian zones. Science Advances, 2019, 5, eaav0486.	4.7	133
16	Elevated success of multispecies bacterial invasions impacts community composition during ecological succession. Ecology Letters, 2018, 21, 516-524.	3.0	41
17	Abundance determines the functional role of bacterial phylotypes in complex communities. Nature Microbiology, 2018, 3, 767-772.	5.9	192
18	Biotic resistance shapes the influence of propagule pressure on invasion success in bacterial communities. Ecology, 2017, 98, 1743-1749.	1.5	29

#	ARTICLE	IF	CITATIONS
19	Biodiversity and ecosystem function: making sense of numerous species interactions in multi-species communities. <i>Ecology</i> , 2017, 98, 1771-1778.	1.5	36
20	The importance of species identity and interactions for multifunctionality depends on how ecosystem functions are valued. <i>Ecology</i> , 2017, 98, 2626-2639.	1.5	56
21	Gene-to-ecosystem impacts of a catastrophic pesticide spill: testing a multilevel bioassessment approach in a river ecosystem. <i>Freshwater Biology</i> , 2016, 61, 2037-2050.	1.2	59
22	Microbes in the Anthropocene: spillover of agriculturally selected bacteria and their impact on natural ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160896.	1.2	25
23	Resource-dependent attenuation of species interactions during bacterial succession. <i>ISME Journal</i> , 2016, 10, 2259-2268.	4.4	96
24	Trace levels of sewage effluent are sufficient to increase class 1 integron prevalence in freshwater biofilms without changing the core community. <i>Water Research</i> , 2016, 106, 163-170.	5.3	37
25	The Effect of Immigration on the Adaptation of Microbial Communities to Warming. <i>American Naturalist</i> , 2016, 187, 236-248.	1.0	14
26	Disentangling the "brown world" faecal detritus interaction web: dung beetle effects on soil microbial properties. <i>Oikos</i> , 2016, 125, 629-635.	1.2	47
27	Relative importance of evolutionary dynamics depends on the composition of microbial predator-prey community. <i>ISME Journal</i> , 2016, 10, 1352-1362.	4.4	23
28	Metabolic variation in natural populations of wild yeast. <i>Ecology and Evolution</i> , 2015, 5, 722-732.	0.8	16
29	Evolution of species interactions determines microbial community productivity in new environments. <i>ISME Journal</i> , 2015, 9, 1235-1245.	4.4	124
30	16S rRNA assessment of the influence of shading on early-successional biofilms in experimental streams. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv129.	1.3	3
31	Saturating effects of species diversity on life-history evolution in bacteria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151794.	1.2	23
32	An improved model to predict the effects of changing biodiversity levels on ecosystem function. <i>Journal of Ecology</i> , 2013, 101, 344-355.	1.9	56
33	Species Interactions Alter Evolutionary Responses to a Novel Environment. <i>PLoS Biology</i> , 2012, 10, e1001330.	2.6	336
34	Phylogenetic constraints on ecosystem functioning. <i>Nature Communications</i> , 2012, 3, 1117.	5.8	71
35	Competition, Not Cooperation, Dominates Interactions among Culturable Microbial Species. <i>Current Biology</i> , 2012, 22, 1845-1850.	1.8	572
36	Terminal investment induced by a bacteriophage in a rhizosphere bacterium. <i>F1000Research</i> , 2012, 1, 21.	0.8	4

#	ARTICLE	IF	CITATIONS
37	Cheating, trade-offs and the evolution of aggressiveness in a natural pathogen population. Ecology Letters, 2011, 14, 1149-1157.	3.0	58
38	The bacterial biogeography of British soils. Environmental Microbiology, 2011, 13, 1642-1654.	1.8	753
39	Experimental niche evolution alters the strength of the diversity-productivity relationship. Nature, 2011, 469, 89-92.	13.7	200
40	Experimental tests of the bacterial distance-decay relationship. ISME Journal, 2010, 4, 1357-1365.	4.4	205
41	Closely related protist strains have different grazing impacts on natural bacterial communities. Environmental Microbiology, 2010, 12, 3105-3113.	1.8	119
42	Protists have divergent effects on bacterial diversity along a productivity gradient. Biology Letters, 2010, 6, 639-642.	1.0	60
43	Reducing horizontal and vertical diversity in a foodweb triggers extinctions and impacts functions. Ecology Letters, 2009, 12, 1016-1028.	3.0	80
44	A Linear Model Method for Biodiversity-Ecosystem Functioning Experiments. American Naturalist, 2009, 174, 836-849.	1.0	85
45	Microbial biodiversity and ecosystem functioning under controlled conditions and in the wild. , 2009, , 121-133.		25
46	Neutral assembly of bacterial communities. FEMS Microbiology Ecology, 2007, 62, 171-180.	1.3	177
47	Character Displacement Promotes Cooperation in Bacterial Biofilms. Current Biology, 2006, 16, 2030-2034.	1.8	108
48	The contribution of species richness and composition to bacterial services. Nature, 2005, 436, 1157-1160.	13.7	793
49	Larger Islands House More Bacterial Taxa. Science, 2005, 308, 1884-1884.	6.0	213