Quan-Guo Zhang

List of Publications by Year
in descending order

36 papers	904 citations	516710 16 h-index	477307 29 g-index
36 all docs	36 docs citations	36 times ranked	1333 citing authors

#	Article	IF	Citations
1	Bacteria-Phage Antagonistic Coevolution and the Implications for Phage Therapy. , 2021, , 231-251.		3
2	Overcoming the growthâ€“infectivity tradeâ€off in a bacteriophage slows bacterial resistance evolution. Evolutionary Applications, 2021, 14, 2055-2063.	3.1	12
3	Compensatory adaptation and diversification subsequent to evolutionary rescue in a model adaptive radiation. Ecology and Evolution, 2021, 11, 9689-9696.	1.9	3
4	Consequences of mutation accumulation for growth performance are more likely to be resource-dependent at higher temperatures. Bmc Ecology and Evolution, 2021, 21, 109.	1.6	5
5	Interspecific Niche Competition Increases Morphological Diversity in Multi-Species Microbial Communities. Frontiers in Microbiology, 2021, 12, 699190.	3.5	7
6	Warmer temperatures enhance beneficial mutation effects. Journal of Evolutionary Biology, 2020, 33, 1020-1027.	1.7	9
7	Local biotic interactions drive species-specific divergence in soil bacterial communities. ISME Journal, 2019, 13, 2846-2855.	9.8	10
8	Experimental Testing of Dispersal Limitation in Soil Bacterial Communities with a Propagule Addition Approach. Microbial Ecology, 2019, 77, 905-912.	2.8	4
9	Specific adaptation to strong competitors can offset the negative effects of population size reductions. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180007.	2.6	10
10	Temperature responses of mutation rate and mutational spectrum in an Escherichia coli strain and the correlation with metabolic rate. BMC Evolutionary Biology, 2018, 18, 126.	3.2	43
11	Temperature drives diversification in a model adaptive radiation. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181515.	2.6	12
12	Adaptive Carbon Allocation by Plants Enhances the Terrestrial Carbon Sink. Scientific Reports, 2017, 7, 3341.	3.3	55
13	Bacteria-Phage Antagonistic Coevolution and the Implications for Phage Therapy. , 2017, , 1-21.		12
14	Stability of A Coevolving Host-parasite System Peaks at Intermediate Productivity. PLoS ONE, 2017, 12, e0168560.	2.5	0
15	Evolution alters ecological mechanisms of coexistence in experimental microcosms. Functional Ecology, 2016, 30, 1440-1446.	3.6	23
16	Microbial diversity limits soil heterotrophic respiration and mitigates the respiration response to moisture increase. Soil Biology and Biochemistry, 2016, 98, 180-185.	8.8	29
17	Migration highways and migration barriers created by hostâ€“parasite interactions. Ecology Letters, 2016, 19, 1479-1485.	6.4	10
18	Resourceâ€dependent antagonistic coevolution leads to a new paradox of enrichment. Ecology, 2016, 97, 1319-1328.	3.2	11

#	Article	IF	Citations
19	Evolutionary rescue can be impeded by temporary environmental amelioration. Ecology Letters, 2015, 18, 892-898.	6.4	36
20	Patterns in Species Persistence and Biomass Production in Soil Microcosms Recovering from a Disturbance Reject a Neutral Hypothesis for Bacterial Community Assembly. PLoS ONE, 2015, 10, e0126962.	2.5	7
21	Exposure to phages has little impact on the evolution of bacterial antibiotic resistance on drug concentration gradients. Evolutionary Applications, 2014, 7, 394-402.	3.1	7
22	Competitive hierarchies inferred from pair-wise and multi-species competition experiments. Acta Oecologica, 2012, 38, 66-70.	1.1	2
23	Phages limit the evolution of bacterial antibiotic resistance in experimental microcosms. Evolutionary Applications, 2012, 5, 575-582.	3.1	84
24	THE EFFECT OF A COMPETITOR ON A MODEL ADAPTIVE RADIATION. Evolution; International Journal of Organic Evolution, 2012, 66, 1985-1990.	2.3	15
25	Antagonistic coevolution limits population persistence of a virus in a thermally deteriorating environment. Ecology Letters, 2011, 14, 282-288.	6.4	51
26	The relative generality of plant invasion mechanisms and predicting future invasive plants. Weed Research, 2009, 49, 449-460.	1.7	61
27	Quantifying the relative importance of niches and neutrality for coexistence in a model microbial system. Functional Ecology, 2009, 23, 1139-1147.	3.6	32
28	COEVOLUTION BETWEEN COOPERATORS AND CHEATS IN A MICROBIAL SYSTEM. Evolution; International Journal of Organic Evolution, 2009, 63, 2248-2256.	2.3	28
29	Influence of harvest time on fuel characteristics of five potential energy crops in northern China. Bioresource Technology, 2008, 99, 479-485.	9.6	54
30	Consequences of individual species loss in biodiversity experiments: An essentiality index. Acta Oecologica, 2007, 32, 236-242.	1.1	29
31	Clonal diversity and structure of the invasive aquatic plant Eichhornia crassipes in China. Aquatic Botany, 2007, 87, 242-246.	1.6	18
32	Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. Oikos, 2007, 116, 1748-1758.	2.7	32
33	Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. Oikos, 2007, 116, 1748-1758.	2.7	0
34	Resource availability and biodiversity effects on the productivity, temporal variability and resistance of experimental algal communities. Oikos, 2006, 114, 385-396.	2.7	74
35	Species richness destabilizes ecosystem functioning in experimental aquatic microcosms. Oikos, 2006, 112, 218-226.	2.7	61
36	Random amplified polymorphic DNA markers reveal low genetic variation and a single dominant genotype in Eichhornia crassipes populations throughout China. Weed Research, 2005, 45, 236-244.	1.7	55