

Quan-Guo Zhang

List of Publications by Year in descending order

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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	Phages limit the evolution of bacterial antibiotic resistance in experimental microcosms. <i>Evolutionary Applications</i> , 2012, 5, 575-582.	3.1	84
2	Resource availability and biodiversity effects on the productivity, temporal variability and resistance of experimental algal communities. <i>Oikos</i> , 2006, 114, 385-396.	2.7	74
3	Species richness destabilizes ecosystem functioning in experimental aquatic microcosms. <i>Oikos</i> , 2006, 112, 218-226.	2.7	61
4	The relative generality of plant invasion mechanisms and predicting future invasive plants. <i>Weed Research</i> , 2009, 49, 449-460.	1.7	61
5	Random amplified polymorphic DNA markers reveal low genetic variation and a single dominant genotype in <i>Eichhornia crassipes</i> populations throughout China. <i>Weed Research</i> , 2005, 45, 236-244.	1.7	55
6	Adaptive Carbon Allocation by Plants Enhances the Terrestrial Carbon Sink. <i>Scientific Reports</i> , 2017, 7, 3341.	3.3	55
7	Influence of harvest time on fuel characteristics of five potential energy crops in northern China. <i>Bioresource Technology</i> , 2008, 99, 479-485.	9.6	54
8	Antagonistic coevolution limits population persistence of a virus in a thermally deteriorating environment. <i>Ecology Letters</i> , 2011, 14, 282-288.	6.4	51
9	Temperature responses of mutation rate and mutational spectrum in an <i>Escherichia coli</i> strain and the correlation with metabolic rate. <i>BMC Evolutionary Biology</i> , 2018, 18, 126.	3.2	43
10	Evolutionary rescue can be impeded by temporary environmental amelioration. <i>Ecology Letters</i> , 2015, 18, 892-898.	6.4	36
11	Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. <i>Oikos</i> , 2007, 116, 1748-1758.	2.7	32
12	Quantifying the relative importance of niches and neutrality for coexistence in a model microbial system. <i>Functional Ecology</i> , 2009, 23, 1139-1147.	3.6	32
13	Consequences of individual species loss in biodiversity experiments: An essentiality index. <i>Acta Oecologica</i> , 2007, 32, 236-242.	1.1	29
14	Microbial diversity limits soil heterotrophic respiration and mitigates the respiration response to moisture increase. <i>Soil Biology and Biochemistry</i> , 2016, 98, 180-185.	8.8	29
15	COEVOLUTION BETWEEN COOPERATORS AND CHEATS IN A MICROBIAL SYSTEM. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2248-2256.	2.3	28
16	Evolution alters ecological mechanisms of coexistence in experimental microcosms. <i>Functional Ecology</i> , 2016, 30, 1440-1446.	3.6	23
17	Clonal diversity and structure of the invasive aquatic plant <i>Eichhornia crassipes</i> in China. <i>Aquatic Botany</i> , 2007, 87, 242-246.	1.6	18
18	THE EFFECT OF A COMPETITOR ON A MODEL ADAPTIVE RADIATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1985-1990.	2.3	15

#	ARTICLE	IF	CITATIONS
19	Temperature drives diversification in a model adaptive radiation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181515.	2.6	12
20	Overcoming the growthâ€infectivity tradeâ€off in a bacteriophage slows bacterial resistance evolution. <i>Evolutionary Applications</i> , 2021, 14, 2055-2063.	3.1	12
21	Bacteria-Phage Antagonistic Coevolution and the Implications for Phage Therapy. , 2017, , 1-21.		12
22	Resourceâ€dependent antagonistic coevolution leads to a new paradox of enrichment. <i>Ecology</i> , 2016, 97, 1319-1328.	3.2	11
23	Migration highways and migration barriers created by hostâ€parasite interactions. <i>Ecology Letters</i> , 2016, 19, 1479-1485.	6.4	10
24	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, 20180007.	2.6	10
25	Local biotic interactions drive species-specific divergence in soil bacterial communities. <i>ISME Journal</i> , 2019, 13, 2846-2855.	9.8	10
26	Warmer temperatures enhance beneficial mutation effects. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1020-1027.	1.7	9
27	Exposure to phages has little impact on the evolution of bacterial antibiotic resistance on drug concentration gradients. <i>Evolutionary Applications</i> , 2014, 7, 394-402.	3.1	7
28	Patterns in Species Persistence and Biomass Production in Soil Microcosms Recovering from a Disturbance Reject a Neutral Hypothesis for Bacterial Community Assembly. <i>PLoS ONE</i> , 2015, 10, e0126962.	2.5	7
29	Interspecific Niche Competition Increases Morphological Diversity in Multi-Species Microbial Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 699190.	3.5	7
30	Consequences of mutation accumulation for growth performance are more likely to be resource-dependent at higher temperatures. <i>Bmc Ecology and Evolution</i> , 2021, 21, 109.	1.6	5
31	Experimental Testing of Dispersal Limitation in Soil Bacterial Communities with a Propagule Addition Approach. <i>Microbial Ecology</i> , 2019, 77, 905-912.	2.8	4
32	Bacteria-Phage Antagonistic Coevolution and the Implications for Phage Therapy. , 2021, , 231-251.		3
33	Compensatory adaptation and diversification subsequent to evolutionary rescue in a model adaptive radiation. <i>Ecology and Evolution</i> , 2021, 11, 9689-9696.	1.9	3
34	Competitive hierarchies inferred from pair-wise and multi-species competition experiments. <i>Acta Oecologica</i> , 2012, 38, 66-70.	1.1	2
35	Stability of A Coevolving Host-parasite System Peaks at Intermediate Productivity. <i>PLoS ONE</i> , 2017, 12, e0168560.	2.5	0
36	Colonization sequence influences selection and complementarity effects on biomass production in experimental algal microcosms. <i>Oikos</i> , 2007, 116, 1748-1758.	2.7	0