

Masayuki Ushio

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,956
citations

304743

22
h-index

197818

49
g-index

71
all docs

71
docs citations

71
times ranked

3892
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of the floral infection by a bacterial pathogen in a dioecious plant, <i>Mallotus japonicus</i> (Euphorbiaceae). <i>Population Ecology</i> , 2023, 65, 231-239.	1.2	3
2	Patterns of community composition and diversity in latent fungi of living <i>Quercus serrata</i> trunks across a range of oak wilt prevalence and climate variables in Japan. <i>Fungal Ecology</i> , 2022, 59, 101095.	1.6	3
3	Interaction capacity as a potential driver of community diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212690.	2.6	24
4	Contrasting microbial communities on male and female flowers of a dioecious plant, <i>Mallotus japonicus</i> (Euphorbiaceae). <i>Environmental DNA</i> , 2022, 4, 565-579.	5.8	3
5	An efficient early pooling protocol for environmental <i>scDNA</i> metabarcoding. <i>Environmental DNA</i> , 2022, 4, 1212-1228.	5.8	9
6	Temperature is a dominant driver of distinct annual seasonality of leaf litter production of equatorial tropical rain forests. <i>Journal of Ecology</i> , 2021, 109, 727-736.	4.0	27
7	Are networks of trophic interactions sufficient for understanding the dynamics of multi-trophic communities? Analysis of a tri-trophic insect food web time series. <i>Ecology Letters</i> , 2021, 24, 543-552.	6.4	18
8	Causal analysis of the temperature impact on deep-sea biodiversity. <i>Biology Letters</i> , 2021, 17, 20200666.	2.3	12
9	Evaluation of seasonal dynamics of fungal <i>scDNA</i> assemblages in a flow-regulated stream in a restored forest using <i>scDNA</i> metabarcoding. <i>Environmental Microbiology</i> , 2021, 23, 4797-4806.	3.8	5
10	Quantitative assessment of multiple fish species around artificial reefs combining environmental DNA metabarcoding and acoustic survey. <i>Scientific Reports</i> , 2021, 11, 19477.	3.3	26
11	Reconstructing large interaction networks from empirical time series data. <i>Ecology Letters</i> , 2021, 24, 2763-2774.	6.4	30
12	Evaluating intraspecific genetic diversity using environmental DNA and denoising approach: A case study using tank water. <i>Environmental DNA</i> , 2020, 2, 42-52.	5.8	47
13	Idea paper: Predicting culturability of microbes from population dynamics under field conditions. <i>Ecological Research</i> , 2020, 35, 586-590.	1.5	6
14	Environmental DNA metabarcoding reveals the presence of a small, quick-moving, nocturnal water shrew in a forest stream. <i>Conservation Genetics</i> , 2020, 21, 1079-1084.	1.5	16
15	Repressive chromatin modification underpins the long-term expression trend of a perennial flowering gene in nature. <i>Nature Communications</i> , 2020, 11, 2065.	12.8	20
16	Influence of potential grazers on picocyanobacterial abundance in Lake Biwa revealed with empirical dynamic modeling. <i>Inland Waters</i> , 2020, 10, 386-396.	2.2	4
17	Complementary molecular methods reveal comprehensive phylogenetic diversity integrating inconspicuous lineages of early-diverged wood-decaying mushrooms. <i>Scientific Reports</i> , 2020, 10, 3057.	3.3	5
18	Dynamic and synergistic influences of air temperature and rainfall on general flowering in a Bornean lowland tropical forest. <i>Ecological Research</i> , 2020, 35, 17-29.	1.5	19

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19	Environmental DNA analysis shows high potential as a tool for estimating intraspecific genetic diversity in a wild fish population. <i>Molecular Ecology Resources</i> , 2020, 20, 1248-1258.	4.8	29
20	A data-driven approach to complex ecological systems. , 2020, , 116-133.		4
21	Quantitative evaluation of intraspecific genetic diversity in a natural fish population using environmental DNA analysis. <i>Molecular Ecology Resources</i> , 2020, 20, 1323-1332.	4.8	26
22	Forecasting Ecological Time Series Using Empirical Dynamic Modeling: A Tutorial for Simplex Projection and S-map. <i>Theoretical Biology</i> , 2020, , 193-213.	0.1	6
23	Use of a filter cartridge combined with intraâ€cartridge beadâ€beating improves detection of microbial DNA from water samples. <i>Methods in Ecology and Evolution</i> , 2019, 10, 1142-1156.	5.2	34
24	Seasonal and longâ€term patterns in litterfall in a Bornean tropical rainforest. <i>Ecological Research</i> , 2019, 34, 31-39.	1.5	36
25	Fluctuating interaction network and time-varying stability of a natural fish community. <i>Nature</i> , 2018, 554, 360-363.	27.8	209
26	Core microbiomes for sustainable agroecosystems. <i>Nature Plants</i> , 2018, 4, 247-257.	9.3	639
27	Demonstration of the potential of environmental DNA as a tool for the detection of avian species. <i>Scientific Reports</i> , 2018, 8, 4493.	3.3	78
28	Tropical-forest mammals as detected by environmental DNA at natural saltlicks in Borneo. <i>Biological Conservation</i> , 2017, 210, 281-285.	4.1	54
29	Environmental <sc>DNA</sc> enables detection of terrestrial mammals from forest pond water. <i>Molecular Ecology Resources</i> , 2017, 17, e63-e75.	4.8	158
30	A lognormal distribution of the lengths of terminal twigs on self-similar branches of elm trees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162395.	2.6	8
31	Empirical dynamic modeling for beginners. <i>Ecological Research</i> , 2017, 32, 785-796.	1.5	154
32	Plantâ€soil feedbacks and the dominance of conifers in a tropical montane forest in Borneo. <i>Ecological Monographs</i> , 2017, 87, 105-129.	5.4	19
33	Water temperature-dependent degradation of environmental DNA and its relation to bacterial abundance. <i>PLoS ONE</i> , 2017, 12, e0176608.	2.5	149
34	Social and ecological factors associated with the use of non-timber forest products by people in rural Borneo. <i>Biological Conservation</i> , 2016, 204, 340-349.	4.1	24
35	Microbial communities on flower surfaces act as signatures of pollinator visitation. <i>Scientific Reports</i> , 2015, 5, 8695.	3.3	80
36	Effect of water depth on predation frequency by diving beetles on mosquito larvae prey. <i>Entomological Science</i> , 2015, 18, 519-522.	0.6	3

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37	Linkage of root physiology and morphology as an adaptation to soil phosphorus impoverishment in tropical montane forests. <i>Functional Ecology</i> , 2015, 29, 1235-1245.	3.6	66
38	High contribution of <i>Synechococcus</i> to phytoplankton biomass in the aphotic hypolimnion in a deep freshwater lake (Lake Biwa, Japan). <i>Aquatic Microbial Ecology</i> , 2015, 75, 69-79.	1.8	13
39	Herbivorous insect decreases plant nutrient uptake: the role of soil nutrient availability and association of below-ground symbionts. <i>Ecological Entomology</i> , 2014, 39, 511-518.	2.2	22
40	High-throughput sequencing shows inconsistent results with a microscope-based analysis of the soil prokaryotic community. <i>Soil Biology and Biochemistry</i> , 2014, 76, 53-56.	8.8	13
41	Effects of condensed tannins in conifer leaves on the composition and activity of the soil microbial community in a tropical montane forest. <i>Plant and Soil</i> , 2013, 365, 157-170.	3.7	75
42	CARD-FISH analysis of prokaryotic community composition and abundance along small-scale vegetation gradients in a dry arctic tundra ecosystem. <i>Soil Biology and Biochemistry</i> , 2013, 64, 147-154.	8.8	6
43	Predator-prey body size relationships when predators can consume prey larger than themselves. <i>Biology Letters</i> , 2013, 9, 20121193.	2.3	44
44	A Coexisting Fungal-Bacterial Community Stabilizes Soil Decomposition Activity in a Microcosm Experiment. <i>PLoS ONE</i> , 2013, 8, e80320.	2.5	23
45	Dynamic Scaling in the Growth of a Non-Branching Plant, <i>Cardiocrinum cordatum</i> . <i>PLoS ONE</i> , 2012, 7, e45317.	2.5	5
46	Scale Dependence of Predator-Prey Mass Ratio. <i>Advances in Ecological Research</i> , 2011, 45, 269-302.	2.7	51
47	In Situ Enzyme Activity in the Dissolved and Particulate Fraction of the Fluid from Four Pitcher Plant Species of the Genus <i>Nepenthes</i> . <i>PLoS ONE</i> , 2011, 6, e25144.	2.5	30
48	A Meta-Analysis of the Global Distribution Pattern of Condensed Tannins in Tree Leaves. <i>Open Ecology Journal</i> , 2011, 4, 18-23.	2.0	10
49	Tree species-mediated spatial patchiness of the composition of microbial community and physicochemical properties in the topsoils of a tropical montane forest. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1588-1595.	8.8	97
50	Functional diversity of microbial decomposers facilitates plant coexistence in a plant-microbe-soil feedback model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14251-14256.	7.1	130
51	Tree species effects on soil enzyme activities through effects on soil physicochemical and microbial properties in a tropical montane forest on Mt. Kinabalu, Borneo. <i>Pedobiologia</i> , 2010, 53, 227-233.	1.2	91
52	Phenolic Control of Plant Nitrogen Acquisition through the Inhibition of Soil Microbial Decomposition Processes: A Plant-Microbe Competition Model. <i>Microbes and Environments</i> , 2009, 24, 180-187.	1.6	14
53	Variations in the soil microbial community composition of a tropical montane forest ecosystem: Does tree species matter?. <i>Soil Biology and Biochemistry</i> , 2008, 40, 2699-2702.	8.8	162