

# Lars Gamfeldt

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3718222/publications.pdf>

Version: 2024-02-01

30  
papers

6,984  
citations

218381

26  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

10177  
citing authors

#	ARTICLE	IF	CITATIONS
1	A global synthesis reveals biodiversity loss as a major driver of ecosystem change. <i>Nature</i> , 2012, 486, 105-108.	13.7	1,750
2	Higher levels of multiple ecosystem services are found in forests with more tree species. <i>Nature Communications</i> , 2013, 4, 1340.	5.8	1,034
3	The functional role of producer diversity in ecosystems. <i>American Journal of Botany</i> , 2011, 98, 572-592.	0.8	991
4	Investigating the relationship between biodiversity and ecosystem multifunctionality: challenges and solutions. <i>Methods in Ecology and Evolution</i> , 2014, 5, 111-124.	2.2	533
5	Biodiversity enhances ecosystem multifunctionality across trophic levels and habitats. <i>Nature Communications</i> , 2015, 6, 6936.	5.8	515
6	MULTIPLE FUNCTIONS INCREASE THE IMPORTANCE OF BIODIVERSITY FOR OVERALL ECOSYSTEM FUNCTIONING. <i>Ecology</i> , 2008, 89, 1223-1231.	1.5	455
7	Marine biodiversity and ecosystem functioning: what's known and what's next?. <i>Oikos</i> , 2015, 124, 252-265.	1.2	195
8	Biodiversity mediates top-down control in eelgrass ecosystems: a global comparative experimental approach. <i>Ecology Letters</i> , 2015, 18, 696-705.	3.0	188
9	Consumers mediate the effects of experimental ocean acidification and warming on primary producers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8603-8608.	3.3	131
10	Revisiting the biodiversity-ecosystem multifunctionality relationship. <i>Nature Ecology and Evolution</i> , 2017, 1, 168.	3.4	120
11	A general biodiversity-function relationship is mediated by trophic level. <i>Oikos</i> , 2017, 126, 18-31.	1.2	112
12	Spatial heterogeneity increases the importance of species richness for an ecosystem process. <i>Oikos</i> , 2009, 118, 1335-1342.	1.2	93
13	Effects of experimental warming on biodiversity depend on ecosystem type and local species composition. <i>Oikos</i> , 2017, 126, 8-17.	1.2	87
14	Habitat diversity and ecosystem multifunctionality-The importance of direct and indirect effects. <i>Science Advances</i> , 2017, 3, e1601475.	4.7	78
15	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. <i>Ecology Letters</i> , 2018, 21, 31-42.	3.0	74
16	Experimental climate change weakens the insurance effect of biodiversity. <i>Ecology Letters</i> , 2012, 15, 864-872.	3.0	70
17	Higher biodiversity is required to sustain multiple ecosystem processes across temperature regimes. <i>Global Change Biology</i> , 2015, 21, 396-406.	4.2	67
18	Effects of multiple dimensions of bacterial diversity on functioning, stability and multifunctionality. <i>Ecology</i> , 2016, 97, 2716-2728.	1.5	64

#	ARTICLE	IF	CITATIONS
19	We should not necessarily expect positive relationships between biodiversity and ecosystem functioning in observational field data. <i>Ecology Letters</i> , 2021, 24, 2537-2548.	3.0	64
20	INCREASING INTRASPECIFIC DIVERSITY ENHANCES SETTLING SUCCESS IN A MARINE INVERTEBRATE. <i>Ecology</i> , 2005, 86, 3219-3224.	1.5	58
21	Levels of forest ecosystem services depend on specific mixtures of commercial tree species. <i>Nature Plants</i> , 2019, 5, 141-147.	4.7	57
22	Increasing intraspecific diversity increases predictability in population survival in the face of perturbations. <i>Oikos</i> , 2007, 116, 700-705.	1.2	54
23	COMPARING CATEGORICAL AND CONTINUOUS ECOLOGICAL ANALYSES: EFFECTS OF "WAVE EXPOSURE" ON ROCKY SHORES. <i>Ecology</i> , 2005, 86, 1346-1357.	1.5	51
24	EFFECTS OF GRAZER RICHNESS AND COMPOSITION ON ALGAL BIOMASS IN A CLOSED AND OPEN MARINE SYSTEM. <i>Ecology</i> , 2007, 88, 178-187.	1.5	40
25	Effects of Total Resources, Resource Ratios, and Species Richness on Algal Productivity and Evenness at Both Metacommunity and Local Scales. <i>PLoS ONE</i> , 2011, 6, e21972.	1.1	32
26	Multifunctionality does not imply that all functions are positively correlated. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5490.	3.3	31
27	Community-level effects of rapid experimental warming and consumer loss outweigh effects of rapid ocean acidification. <i>Oikos</i> , 2015, 124, 1040-1049.	1.2	16
28	Multiple stressors and multifunctionality: limited effects on an illuminated benthic system. <i>Biology Letters</i> , 2014, 10, 20140640.	1.0	14
29	How do trees respond to species mixing in experimental compared to observational studies?. <i>Ecology and Evolution</i> , 2019, 9, 11254-11265.	0.8	8
30	Are there direct and cascading effects of changes in grazer and predator species richness in a model system with heterogeneously distributed resources?. <i>Marine Biodiversity</i> , 2009, 39, 71-81.	0.3	2