

Carsten F Dormann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7101978/publications.pdf>

Version: 2024-02-01

144
papers

27,979
citations

25034

57
h-index

11939

134
g-index

164
all docs

164
docs citations

164
times ranked

32461
citing authors

#	ARTICLE	IF	CITATIONS
1	Collinearity: a review of methods to deal with it and a simulation study evaluating their performance. <i>Ecography</i> , 2013, 36, 27-46.	4.5	6,250
2	Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. <i>Ecography</i> , 2007, 30, 609-628.	4.5	2,522
3	Landscape moderation of biodiversity patterns and processes – eight hypotheses. <i>Biological Reviews</i> , 2012, 87, 661-685.	10.4	1,443
4	The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling. <i>Biological Reviews</i> , 2013, 88, 15-30.	10.4	1,224
5	Indices, Graphs and Null Models: Analyzing Bipartite Ecological Networks. <i>Open Ecology Journal</i> , 2009, 2, 7-24.	2.0	1,201
6	Cross-validation strategies for data with temporal, spatial, hierarchical, or phylogenetic structure. <i>Ecography</i> , 2017, 40, 913-929.	4.5	1,092
7	A quantitative review of ecosystem service studies: approaches, shortcomings and the road ahead. <i>Journal of Applied Ecology</i> , 2011, 48, 630-636.	4.0	779
8	Review: Ecological networks – beyond food webs. <i>Journal of Animal Ecology</i> , 2009, 78, 253-269.	2.8	765
9	Standards for distribution models in biodiversity assessments. <i>Science Advances</i> , 2019, 5, eaat4858.	10.3	605
10	Correlation and process in species distribution models: bridging a dichotomy. <i>Journal of Biogeography</i> , 2012, 39, 2119-2131.	3.0	526
11	Effects of incorporating spatial autocorrelation into the analysis of species distribution data. <i>Global Ecology and Biogeography</i> , 2007, 16, 129-138.	5.8	498
12	Spillover of functionally important organisms between managed and natural habitats. <i>Agriculture, Ecosystems and Environment</i> , 2012, 146, 34-43.	5.3	413
13	Outstanding Challenges in the Transferability of Ecological Models. <i>Trends in Ecology and Evolution</i> , 2018, 33, 790-802.	8.7	403
14	Crop pests and predators exhibit inconsistent responses to surrounding landscape composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7863-E7870.	7.1	401
15	A method for detecting modules in quantitative bipartite networks. <i>Methods in Ecology and Evolution</i> , 2014, 5, 90-98.	5.2	397
16	A standard protocol for reporting species distribution models. <i>Ecography</i> , 2020, 43, 1261-1277.	4.5	397
17	Promising the future? Global change projections of species distributions. <i>Basic and Applied Ecology</i> , 2007, 8, 387-397.	2.7	391
18	The interplay of landscape composition and configuration: new pathways to manage functional biodiversity and agroecosystem services across Europe. <i>Ecology Letters</i> , 2019, 22, 1083-1094.	6.4	364

#	ARTICLE	IF	CITATIONS
19	Towards novel approaches to modelling biotic interactions in multispecies assemblages at large spatial extents. <i>Journal of Biogeography</i> , 2012, 39, 2163-2178.	3.0	340
20	A quantitative index of land-use intensity in grasslands: Integrating mowing, grazing and fertilization. <i>Basic and Applied Ecology</i> , 2012, 13, 207-220.	2.7	325
21	Specialization of Mutualistic Interaction Networks Decreases toward Tropical Latitudes. <i>Current Biology</i> , 2012, 22, 1925-1931.	3.9	290
22	Spatial and Temporal Trends of Global Pollination Benefit. <i>PLoS ONE</i> , 2012, 7, e35954.	2.5	275
23	Stacking species distribution models and adjusting bias by linking them to macroecological models. <i>Global Ecology and Biogeography</i> , 2014, 23, 99-112.	5.8	270
24	Interannual variation in land-use intensity enhances grassland multidiversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 308-313.	7.1	243
25	Bee diversity effects on pollination depend on functional complementarity and niche shifts. <i>Ecology</i> , 2013, 94, 2042-2054.	3.2	232
26	Spatial validation reveals poor predictive performance of large-scale ecological mapping models. <i>Nature Communications</i> , 2020, 11, 4540.	12.8	232
27	Biotic interactions in species distribution modelling: 10 questions to guide interpretation and avoid false conclusions. <i>Global Ecology and Biogeography</i> , 2018, 27, 1004-1016.	5.8	211
28	Model averaging in ecology: a review of Bayesian, information-theoretic, and tactical approaches for predictive inference. <i>Ecological Monographs</i> , 2018, 88, 485-504.	5.4	209
29	Expansion of mass-flowering crops leads to transient pollinator dilution and reduced wild plant pollination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3444-3451.	2.6	199
30	Ecological networks are more sensitive to plant than to animal extinction under climate change. <i>Nature Communications</i> , 2016, 7, 13965.	12.8	180
31	Mass-flowering crops enhance wild bee abundance. <i>Oecologia</i> , 2013, 172, 477-484.	2.0	179
32	COMPONENTS OF UNCERTAINTY IN SPECIES DISTRIBUTION ANALYSIS: A CASE STUDY OF THE GREAT GREY SHRIKE. <i>Ecology</i> , 2008, 89, 3371-3386.	3.2	178
33	The <sc>PREDICTS</sc> database: a global database of how local terrestrial biodiversity responds to human impacts. <i>Ecology and Evolution</i> , 2014, 4, 4701-4735.	1.9	178
34	Current global risks to marine mammals: Taking stock of the threats. <i>Biological Conservation</i> , 2018, 221, 44-58.	4.1	177
35	The potential for indirect effects between co-flowering plants via shared pollinators depends on resource abundance, accessibility and relatedness. <i>Ecology Letters</i> , 2014, 17, 1389-1399.	6.4	172
36	What's on the horizon for macroecology?. <i>Ecography</i> , 2012, 35, 673-683.	4.5	166

#	ARTICLE	IF	CITATIONS
37	Species abundance distributions and richness estimations in fungal metagenomics - lessons learned from community ecology. <i>Molecular Ecology</i> , 2011, 20, 275-285.	3.9	158
38	Identifying Causes of Patterns in Ecological Networks: Opportunities and Limitations. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2017, 48, 559-584.	8.3	152
39	Effects of landscape structure and land-use intensity on similarity of plant and animal communities. <i>Global Ecology and Biogeography</i> , 2007, 16, 774-787.	5.8	151
40	Ecological, historical and evolutionary determinants of modularity in weighted seed-dispersal networks. <i>Ecology Letters</i> , 2014, 17, 454-463.	6.4	150
41	Static species distribution models in dynamically changing systems: how good can predictions really be?. <i>Ecography</i> , 2009, 32, 733-744.	4.5	121
42	Food web structure and biocontrol in a four-trophic level system across a landscape complexity gradient. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2946-2953.	2.6	119
43	Predator richness increases the effect of prey diversity on prey yield. <i>Nature Communications</i> , 2012, 3, 1305.	12.8	116
44	The former Iron Curtain still drives biodiversity-profit trade-offs in German agriculture. <i>Nature Ecology and Evolution</i> , 2017, 1, 1279-1284.	7.8	114
45	Landscape elements as potential barriers and corridors for bees, wasps and parasitoids. <i>Biological Conservation</i> , 2011, 144, 1816-1825.	4.1	107
46	Set-aside management: How do succession, sowing patterns and landscape context affect biodiversity?. <i>Agriculture, Ecosystems and Environment</i> , 2011, 143, 37-44.	5.3	105
47	Assessing the validity of autologistic regression. <i>Ecological Modelling</i> , 2007, 207, 234-242.	2.5	104
48	EDITOR'S CHOICE: REVIEW: Effects of land use on plant diversity - A global meta-analysis. <i>Journal of Applied Ecology</i> , 2014, 51, 1690-1700.	4.0	88
49	Prediction uncertainty of environmental change effects on temperate European biodiversity. <i>Ecology Letters</i> , 2008, 11, 235-244.	6.4	79
50	Blind spots in ecosystem services research and challenges for implementation. <i>Regional Environmental Change</i> , 2019, 19, 2151-2172.	2.9	77
51	The influence of floral traits on specialization and modularity of plant-pollinator networks in a biodiversity hotspot in the Peruvian Andes. <i>Annals of Botany</i> , 2016, 118, 415-429.	2.9	73
52	TaqMan Real-Time PCR Assays To Assess Arbuscular Mycorrhizal Responses to Field Manipulation of Grassland Biodiversity: Effects of Soil Characteristics, Plant Species Richness, and Functional Traits. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3765-3775.	3.1	72
53	Less than eight (and a half) misconceptions of spatial analysis. <i>Journal of Biogeography</i> , 2012, 39, 995-998.	3.0	72
54	On managing the red mason bee (<i>Osmia bicornis</i>) in apple orchards. <i>Apidologie</i> , 2011, 42, 564.	2.0	67

#	ARTICLE	IF	CITATIONS
55	Temporal scale dependence of plant-pollinator networks. <i>Oikos</i> , 2020, 129, 1289-1302.	2.7	66
56	Seeing through the static: the temporal dimension of plant-animal mutualistic interactions. <i>Ecology Letters</i> , 2021, 24, 149-161.	6.4	66
57	Climatic niche evolution and species diversification in the <i>Cape</i> flora, <i>South Africa</i> . <i>Journal of Biogeography</i> , 2012, 39, 2201-2211.	3.0	65
58	Application of species richness estimators for the assessment of fungal diversity. <i>FEMS Microbiology Letters</i> , 2008, 282, 205-213.	1.8	64
59	Recruitment, growth and recovery of commercial tree species over 30 years following logging and thinning in a tropical rain forest. <i>Forest Ecology and Management</i> , 2017, 385, 225-235.	3.2	64
60	“Mind the gap!” How well does Natura 2000 cover species of European interest?. <i>Nature Conservation</i> , 0, 3, 45-62.	0.0	63
61	African elephant poaching rates correlate with local poverty, national corruption and global ivory price. <i>Nature Communications</i> , 2019, 10, 2242.	12.8	63
62	Wrong, but useful: regional species distribution models may not be improved by range-wide data under biased sampling. <i>Ecology and Evolution</i> , 2018, 8, 2196-2206.	1.9	61
63	Experimental evidence rejects pairwise modelling approach to coexistence in plant communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1279-1285.	2.6	56
64	Evaluating the effectiveness of retention forestry to enhance biodiversity in production forests of Central Europe using an interdisciplinary, multi-scale approach. <i>Ecology and Evolution</i> , 2020, 10, 1489-1509.	1.9	56
65	Evolution of climate niches in European mammals?. <i>Biology Letters</i> , 2010, 6, 229-232.	2.3	54
66	Medium-term dynamics of tree species composition in response to silvicultural intervention intensities in a tropical rain forest. <i>Biological Conservation</i> , 2015, 191, 577-586.	4.1	54
67	An evidence assessment tool for ecosystem services and conservation studies. <i>Ecological Applications</i> , 2016, 26, 1295-1301.	3.8	54
68	Linnæus's floral clock is slow without pollinators – flower closure and plant-pollinator interaction webs. <i>Ecology Letters</i> , 2011, 14, 896-904.	6.4	53
69	Improved species occurrence predictions in data-poor regions: using large-scale data and bias correction with down-weighted Poisson regression and Maxent. <i>Ecography</i> , 2018, 41, 1161-1172.	4.5	53
70	Plant species richness increases with light availability, but not variability, in temperate forests understorey. <i>BMC Ecology</i> , 2020, 20, 43.	3.0	53
71	Competition and herbivory during salt marsh succession: the importance of forb growth strategy. <i>Journal of Ecology</i> , 2000, 88, 571-583.	4.0	52
72	Facilitation and competition in the high Arctic: the importance of the experimental approach. <i>Acta Oecologica</i> , 2002, 23, 297-301.	1.1	50

#	ARTICLE	IF	CITATIONS
73	Quantifying forest structural diversity based on large-scale inventory data: a new approach to support biodiversity monitoring. <i>Forest Ecosystems</i> , 2018, 5, .	3.1	50
74	Microsite conditions dominate habitat selection of the red mason bee (<i>Osmia bicornis</i> , Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 T Planning, 2011, 103, 15-23.	7.5	48
75	Accounting for geographical variation in speciesâ€œarea relationships improves the prediction of plant species richness at the global scale. <i>Journal of Biogeography</i> , 2014, 41, 261-273.	3.0	45
76	The responses of grassland plants to experimentally simulated climate change depend on land use and region. <i>Global Change Biology</i> , 2012, 18, 127-137.	9.5	43
77	Fragmentation of nest and foraging habitat affects time budgets of solitary bees, their fitness and pollination services, depending on traits: Results from an individual-based model. <i>PLoS ONE</i> , 2018, 13, e0188269.	2.5	43
78	Effects of warming and drought on potential N₂O emissions and denitrifying bacteria abundance in grasslands with different land-use. <i>FEMS Microbiology Ecology</i> , 2015, 91, fiv066.	2.7	41
79	Decaying trees improve nesting opportunities for cavityâ€œnesting birds in temperate and boreal forests: A metaâ€œanalysis and implications for retention forestry. <i>Ecology and Evolution</i> , 2018, 8, 8616-8626.	1.9	41
80	Neighbour identity modifies effects of elevated temperature on plant performance in the High Arctic. <i>Global Change Biology</i> , 2004, 10, 1587-1598.	9.5	36
81	Insect abundance in managed forests benefits from multi-layered vegetation. <i>Basic and Applied Ecology</i> , 2020, 48, 124-135.	2.7	34
82	Disturbance intensity is a stronger driver of biomass recovery than remaining treeâ€œcommunity attributes in a managed Amazonian forest. <i>Journal of Applied Ecology</i> , 2018, 55, 1647-1657.	4.0	33
83	A new model explaining the origin of different topologies in interaction networks. <i>Ecology</i> , 2019, 100, e02796.	3.2	32
84	Cropâ€œnoncrop spillover: arable fields affect trophic interactions on wild plants in surrounding habitats. <i>Oecologia</i> , 2011, 166, 433-441.	2.0	31
85	Organic Farming Favours Insect-Pollinated over Non-Insect Pollinated Forbs in Meadows and Wheat Fields. <i>PLoS ONE</i> , 2013, 8, e54818.	2.5	30
86	Forest-edge associated bees benefit from the proportion of tropical forest regardless of its edge length. <i>Biological Conservation</i> , 2018, 220, 149-160.	4.1	29
87	Consequences of manipulations in carbon and nitrogen supply for concentration of anti-herbivore defence compounds in <i>Salix polaris</i> . <i>Ecoscience</i> , 2003, 10, 312-318.	1.4	28
88	Response to Comment on â€œMethods to account for spatial autocorrelation in the analysis of species distributional data: a reviewâ€œ. <i>Ecography</i> , 2009, 32, 379-381.	4.5	28
89	Flowering, growth and defence in the two sexes: consequences of herbivore exclusion for <i>Salix polaris</i> . <i>Functional Ecology</i> , 2002, 16, 649-656.	3.6	26
90	Measurement and prediction of bark thickness in <i>Picea abies</i> : assessment of accuracy, precision, and sample size requirements. <i>Canadian Journal of Forest Research</i> , 2016, 46, 39-47.	1.7	25

#	ARTICLE	IF	CITATIONS
91	Dispersal Ecology Informs Design of Large-Scale Wildlife Corridors. <i>PLoS ONE</i> , 2016, 11, e0162989.	2.5	24
92	Comparison of models for estimating bark thickness of <i>Picea abies</i> in southwest Germany: the role of tree, stand, and environmental factors. <i>Annals of Forest Science</i> , 2017, 74, 1.	2.0	23
93	An efficient method to exploit LiDAR data in animal ecology. <i>Methods in Ecology and Evolution</i> , 2018, 9, 893-904.	5.2	23
94	Population density estimates for terrestrial mammal species. <i>Global Ecology and Biogeography</i> , 2022, 31, 978-994.	5.8	23
95	Humpback whales extend their stay in a breeding ground in the Tropical Eastern Pacific. <i>ICES Journal of Marine Science</i> , 2020, 77, 109-118.	2.5	22
96	Mapping water quality-related ecosystem services: concepts and applications for nitrogen retention and pesticide risk reduction. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2012, 8, 35-49.	2.9	21
97	Effectiveness of light-reflecting devices: A systematic reanalysis of animal-vehicle collision data. <i>Accident Analysis and Prevention</i> , 2016, 97, 242-260.	5.7	21
98	Consistent set of additive biomass functions for eight tree species in Germany fit by nonlinear seemingly unrelated regression. <i>Annals of Forest Science</i> , 2018, 75, 1.	2.0	21
99	Refuges from fire maintain pollinator-plant interaction networks. <i>Ecology and Evolution</i> , 2019, 9, 5777-5786.	1.9	21
100	Tree diversity reduces the risk of bark beetle infestation for preferred conifer species, but increases the risk for less preferred hosts. <i>Journal of Ecology</i> , 2021, 109, 2649-2661.	4.0	20
101	Occurrence pattern of <i>Pararge aegeria</i> (Lepidoptera: Nymphalidae) with respect to local habitat suitability, climate and landscape structure. <i>Landscape Ecology</i> , 2006, 21, 989-1001.	4.2	19
102	Spatially autocorrelated training and validation samples inflate performance assessment of convolutional neural networks. <i>ISPRS Open Journal of Photogrammetry and Remote Sensing</i> , 2022, 5, 100018.	3.1	19
103	Modelling the variation of bark thickness within and between European silver fir (<i>Abies alba</i> Mill.) trees in southwest Germany. <i>Forestry</i> , 2018, 91, 283-294.	2.3	18
104	Calibration of probability predictions from machine learning and statistical models. <i>Global Ecology and Biogeography</i> , 2020, 29, 760-765.	5.8	18
105	European agroforestry has no unequivocal effect on biodiversity: a time-cumulative meta-analysis. <i>Bmc Ecology and Evolution</i> , 2021, 21, 193.	1.6	18
106	Influence of Forest Harvest on Nitrate Concentration in Temperate Streams—A Meta-Analysis. <i>Forests</i> , 2017, 8, 5.	2.1	17
107	Reassessing Neotropical angiosperm distribution patterns based on monographic data: a geometric interpolation approach. <i>Biodiversity and Conservation</i> , 2010, 19, 1523-1546.	2.6	16
108	Does model-free forecasting really outperform the true model?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3975.	7.1	16

#	ARTICLE	IF	CITATIONS
109	Squares of different sizes: effect of geographical projection on model parameter estimates in species distribution modeling. <i>Ecology and Evolution</i> , 2016, 6, 202-211.	1.9	16
110	Detection probabilities for sessile organisms. <i>Ecosphere</i> , 2016, 7, e01546.	2.2	15
111	No evidence for adaptation of two <i>Polygonum viviparum</i> morphotypes of different bulbil characteristics to length of growing season: abundance, biomass and germination. <i>Polar Biology</i> , 2002, 25, 884-890.	1.2	14
112	Does Public Participation Shift German National Park Priorities Away from Nature Conservation?. <i>Environmental Conservation</i> , 2019, 46, 84-91.	1.3	14
113	Cross-Scale Variation in Biodiversity-Environment Links Illustrated by Coastal Sandflat Communities. <i>PLoS ONE</i> , 2015, 10, e0142411.	2.5	14
114	Competition hierarchy, transitivity and additivity: investigating the effect of fertilisation on plant-plant interactions using three common bryophytes. <i>Plant Ecology</i> , 2007, 191, 171-184.	1.6	13
115	Computing AIC for black-box models using generalized degrees of freedom: A comparison with cross-validation. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2018, 47, 1382-1396.	1.2	13
116	Temporal variability of ecological niches: a study on intertidal macrobenthic fauna. <i>Oikos</i> , 2013, 122, 754-760.	2.7	12
117	The influence of camera trap flash type on the behavioural reactions and trapping rates of red deer and roe deer. <i>Remote Sensing in Ecology and Conservation</i> , 2020, 6, 399-410.	4.3	11
118	Parametrische Statistik. , 2013, , .		11
119	Better Model Transfers Require Knowledge of Mechanisms. <i>Trends in Ecology and Evolution</i> , 2019, 34, 489-490.	8.7	10
120	Exploration of Concerns about the Evidence-Based Guideline Approach in Conservation Management: Hints from Medical Practice. <i>Environmental Management</i> , 2020, 66, 435-449.	2.7	9
121	Within-day dynamics of plant-pollinator networks are dominated by early flower closure: an experimental test of network plasticity. <i>Oecologia</i> , 2021, 196, 781-794.	2.0	9
122	Increasing connectivity enhances habitat specialists but simplifies plant-insect food webs. <i>Oecologia</i> , 2021, 195, 539-546.	2.0	9
123	Process, correlation and parameter fitting in species distribution models: a response to Kriticos <i>et al</i> . <i>Journal of Biogeography</i> , 2013, 40, 612-613.	3.0	8
124	Choices of abundance currency, community definition and diversity metric control the predictive power of macroecological models of biodiversity. <i>Global Ecology and Biogeography</i> , 2014, 23, 468-478.	5.8	8
125	Quantitative Prediction of Interactions in Bipartite Networks Based on Traits, Abundances, and Phylogeny. <i>American Naturalist</i> , 2022, 199, 841-854.	2.1	8
126	No consistent effect of plant species richness on resistance to simulated climate change for above- or below-ground processes in managed grasslands. <i>BMC Ecology</i> , 2017, 17, 23.	3.0	7

#	ARTICLE	IF	CITATIONS
127	Spatial conservation prioritisation in data-poor countries: a quantitative sensitivity analysis using multiple taxa. <i>BMC Ecology</i> , 2020, 20, 35.	3.0	7
128	Co-occurrence patterns and the large-scale spatial structure of benthic communities in seagrass meadows and bare sand. <i>BMC Ecology</i> , 2020, 20, 37.	3.0	7
129	Parametrische Statistik. , 2017, , .		6
130	Synthesize evidence to steer decisions. <i>Nature</i> , 2016, 529, 466-466.	27.8	5
131	Food Webs versus Interaction Networks: Principles, Pitfalls, and Perspectives. , 0, , 9-18.		5
132	Breaking the ecosystem services glass ceiling: realising impact. <i>Regional Environmental Change</i> , 2019, 19, 2261-2274.	2.9	5
133	Community structure and ecological specialization in plant-ant interactions. <i>Journal of Tropical Ecology</i> , 2015, 31, 325-334.	1.1	4
134	Spatial behavior in rehabilitated orangutans in Sumatra: Where do they go?. <i>PLoS ONE</i> , 2019, 14, e0215284.	2.5	2
135	Evidence Ranking Needs to Reflect Causality. <i>Trends in Ecology and Evolution</i> , 2020, 35, 94-95.	8.7	2
136	Curvature of Logs-Development of and Comparison between Different Calculation Approaches. <i>Forests</i> , 2021, 12, 857.	2.1	2
137	Wrong, but useful: regional species distribution models may not be improved by range-wide data under biased sampling. , 2018, 8, 2196.		1
138	Optimal anti-herbivore defence allocation in <i>Salix polaris</i> : doing it the arctic way?. <i>Phytocoenologia</i> , 2002, 32, 517-529.	0.5	1
139	Multiple Regression in R. , 2020, , 227-255.		0
140	Correlation and Association. , 2020, , 65-70.		0
141	Multiple Regression: Regression with Multiple Predictors. , 2020, , 207-226.		0
142	Samples, Random-Variables-Histograms, Density Distribution. , 2020, , 1-12.		0
143	A systematic map of demographic data from elephant populations throughout Africa: implications for poaching and population analyses. <i>Mammal Review</i> , 0, , .	4.8	0
144	Reply to: "Research on agroforestry systems and biodiversity conservation: what can we conclude so far and what should we improve?" by Boinot et al. 2022. <i>Bmc Ecology and Evolution</i> , 2022, 22, 65.	1.6	0