

# Olivier Broennimann

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

10,433  
citations

108046

37  
h-index

111975

67  
g-index

71  
all docs

71  
docs citations

71  
times ranked

12850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of diversity and environmental niches of soil bacterial, archaeal, fungal and protist communities reveal niche divergences along environmental gradients in the Alps. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108674.	4.2	17
2	From white to green: Snow cover loss and increased vegetation productivity in the European Alps. <i>Science</i> , 2022, 376, 1119-1122.	6.0	64
3	Intraspecific differentiation: Implications for niche and distribution modelling. <i>Journal of Biogeography</i> , 2021, 48, 415-426.	1.4	43
4	Temporal variability is key to modelling the climatic niche. <i>Diversity and Distributions</i> , 2021, 27, 473-484.	1.9	24
5	Low spatial autocorrelation in mountain biodiversity data and model residuals. <i>Ecosphere</i> , 2021, 12, e03403.	1.0	10
6	Distance to native climatic niche margins explains establishment success of alien mammals. <i>Nature Communications</i> , 2021, 12, 2353.	5.8	25
7	Using a robust multi- $\epsilon$ settings inference framework on published datasets still reveals limited support for the abundant centre hypothesis: More testing needed on other datasets. <i>Global Ecology and Biogeography</i> , 2021, 30, 2211-2228.	2.7	6
8	Data integration methods to account for spatial niche truncation effects in regional projections of species distribution. <i>Ecological Applications</i> , 2021, 31, e02427.	1.8	26
9	Reconstructing the climatic niche breadth of land use for animal production during the African Holocene. <i>Global Ecology and Biogeography</i> , 2020, 29, 127-147.	2.7	14
10	Soil protist diversity in the Swiss western Alps is better predicted by topoclimatic than by edaphic variables. <i>Journal of Biogeography</i> , 2020, 47, 866-878.	1.4	26
11	Integrating ecosystem services within spatial biodiversity conservation prioritization in the Alps. <i>Ecosystem Services</i> , 2020, 45, 101186.	2.3	40
12	Greater topoclimatic control of above- versus below-ground communities. <i>Global Change Biology</i> , 2020, 26, 6715-6728.	4.2	11
13	Hybridization and hybrid zone stability between two lizards explained by population genetics and niche quantification. <i>Zoological Journal of the Linnean Society</i> , 2020, 190, 757-769.	1.0	1
14	Eco-genetic additivity of diploids in allopolyploid wild wheats. <i>Ecology Letters</i> , 2020, 23, 663-673.	3.0	16
15	The fate of páramo plant assemblages in the sky islands of the northern Andes. <i>Journal of Vegetation Science</i> , 2020, 31, 967-980.	1.1	39
16	Hierarchical species distribution models in support of vegetation conservation at the landscape scale. <i>Journal of Vegetation Science</i> , 2019, 30, 386-396.	1.1	33
17	Alien Plant Species: Environmental Risks in Agricultural and Agro-Forest Landscapes Under Climate Change. <i>Climate Change Management</i> , 2019, , 215-234.	0.6	2
18	Climate and land-use changes reshuffle politically-weighted priority areas of mountain biodiversity. <i>Global Ecology and Conservation</i> , 2019, 17, e00589.	1.0	16

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19	More than range exposure: Global otter vulnerability to climate change. <i>Biological Conservation</i> , 2018, 221, 103-113.	1.9	41
20	Areas of high conservation value at risk by plant invaders in Georgia under climate change. <i>Ecology and Evolution</i> , 2018, 8, 4431-4442.	0.8	12
21	The impact of endothermy on the climatic niche evolution and the distribution of vertebrate diversity. <i>Nature Ecology and Evolution</i> , 2018, 2, 459-464.	3.4	91
22	Slimy invasion: Climatic niche and current and future biogeography of <i>Arion</i> slug invaders. <i>Diversity and Distributions</i> , 2018, 24, 1627-1640.	1.9	23
23	Less favourable climates constrain demographic strategies in plants. <i>Ecology Letters</i> , 2017, 20, 969-980.	3.0	83
24	Numerical ragweed pollen forecasts using different source maps: a comparison for France. <i>International Journal of Biometeorology</i> , 2017, 61, 23-33.	1.3	28
25	Selecting predictors to maximize the transferability of species distribution models: lessons from cross-continental plant invasions. <i>Global Ecology and Biogeography</i> , 2017, 26, 275-287.	2.7	175
26	Realized climatic niches are conserved along maximum temperatures among herpetofaunal invaders. <i>Journal of Biogeography</i> , 2017, 44, 111-121.	1.4	28
27	ecospat: an R package to support spatial analyses and modeling of species niches and distributions. <i>Ecography</i> , 2017, 40, 774-787.	2.1	703
28	ENDOTHERMY, THERMAL NICHE EVOLUTION AND THE DISTRIBUTION OF VERTEBRATE DIVERSITY. , 2017, , .		1
29	The regional species richness and genetic diversity of Arctic vegetation reflect both past glaciations and current climate. <i>Global Ecology and Biogeography</i> , 2016, 25, 430-442.	2.7	44
30	Will climate change increase the risk of plant invasions into mountains?. <i>Ecological Applications</i> , 2016, 26, 530-544.	1.8	103
31	The mossy north: an inverse latitudinal diversity gradient in European bryophytes. <i>Scientific Reports</i> , 2016, 6, 25546.	1.6	74
32	Towards unified hypotheses of the impact of polyploidy on ecological niches. <i>New Phytologist</i> , 2016, 212, 540-542.	3.5	50
33	Niche conservatism in Gynandropaa frogs on the southeastern Qinghai-Tibetan Plateau. <i>Scientific Reports</i> , 2016, 6, 32624.	1.6	32
34	Is there a bias in participation and visibility against women in ecology? A comparison between Iberian and Swiss conferences. , 2016, 25, 105-111.		0
35	Does phylogeographical structure relate to climatic niche divergence? A test using maritime pine ( <i>Pinus pinaster</i> ...). <i>Global Ecology and Biogeography</i> , 2015, 24, 1302-1313.	2.7	47
36	Disjunct populations of European vascular plant species keep the same climatic niches. <i>Global Ecology and Biogeography</i> , 2015, 24, 1401-1412.	2.7	39

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37	Arctic warming will promote Atlantic–Pacific fish interchange. <i>Nature Climate Change</i> , 2015, 5, 261-265.	8.1	86
38	Biological Flora of the British Isles: <i>Ambrosia artemisiifolia</i> . <i>Journal of Ecology</i> , 2015, 103, 1069-1098.	1.9	164
39	Areas of high conservation value in Georgia: present and future threats by invasive alien plants. <i>Biological Invasions</i> , 2015, 17, 1041-1054.	1.2	26
40	Reply to 'Sources of uncertainties in cod distribution models'. <i>Nature Climate Change</i> , 2015, 5, 790-791.	8.1	3
41	What is the potential of spread in invasive bryophytes?. <i>Ecography</i> , 2015, 38, 480-487.	2.1	44
42	Contrasting spatio-temporal climatic niche dynamics during the eastern and western invasions of spotted knapweed in North America. <i>Journal of Biogeography</i> , 2014, 41, 1126-1136.	1.4	62
43	Unifying niche shift studies: insights from biological invasions. <i>Trends in Ecology and Evolution</i> , 2014, 29, 260-269.	4.2	536
44	Measuring the relative effect of factors affecting species distribution model predictions. <i>Methods in Ecology and Evolution</i> , 2014, 5, 947-955.	2.2	100
45	Influence of climate on the presence of colour polymorphism in two montane reptile species. <i>Biology Letters</i> , 2014, 10, 20140638.	1.0	28
46	A framework for assessing the scale of influence of environmental factors on ecological patterns. <i>Ecological Complexity</i> , 2014, 20, 151-156.	1.4	28
47	Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. <i>Global Ecology and Biogeography</i> , 2013, 22, 302-317.	2.7	152
48	Divergent and narrower climatic niches characterize polyploid species of European primroses in <i>Primula</i> sect. <i>Aleuritia</i> . <i>Journal of Biogeography</i> , 2013, 40, 1278-1289.	1.4	90
49	Will climate change drive alien invasive plants into areas of high protection value? An improved model-based regional assessment to prioritise the management of invasions. <i>Journal of Environmental Management</i> , 2013, 131, 185-195.	3.8	68
50	Niche conservatism in non-native birds in Europe: niche unfilling rather than niche expansion. <i>Global Ecology and Biogeography</i> , 2013, 22, 962-970.	2.7	156
51	Predicting species distributions for conservation decisions. <i>Ecology Letters</i> , 2013, 16, 1424-1435.	3.0	1,375
52	Anthropogenic disturbance as a driver of microspatial and microhabitat segregation of cytotypes of <i>Centaurea stoebe</i> and cytotypic interactions in secondary contact zones. <i>Annals of Botany</i> , 2012, 110, 615-627.	1.4	56
53	Response to Comment on 'Climatic Niche Shifts Are Rare Among Terrestrial Plant Invaders'. <i>Science</i> , 2012, 338, 193-193.	6.0	21
54	Climatic Niche Shifts Are Rare Among Terrestrial Plant Invaders. <i>Science</i> , 2012, 335, 1344-1348.	6.0	689

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55	Dispersal routes reconstruction and the minimum cost arborescence problem. <i>Journal of Theoretical Biology</i> , 2012, 308, 115-122.	0.8	4
56	Measuring ecological niche overlap from occurrence and spatial environmental data. <i>Global Ecology and Biogeography</i> , 2012, 21, 481-497.	2.7	1,130
57	Spatial Predictions of Phylogenetic Diversity in Conservation Decision Making. <i>Conservation Biology</i> , 2011, 25, 1229-1239.	2.4	39
58	Multiple introductions boosted genetic diversity in the invasive range of black cherry ( <i>Prunus</i> ). <i>Evolution</i> , 2010, 64, 1068-1078.	1.4	68
59	Shift in cytotype frequency and niche space in the invasive plant <i>Centaurea maculosa</i> . <i>Ecology</i> , 2009, 90, 1366-1377.	1.5	165
60	Climate change, anthropogenic disturbance and the northward range expansion of <i>Lactuca serriola</i> (Asteraceae). <i>Journal of Biogeography</i> , 2009, 36, 1573-1587.	1.4	49
61	Prediction of plant species distributions across six millennia. <i>Ecology Letters</i> , 2008, 11, 357-369.	3.0	183
62	Niche dynamics in space and time. <i>Trends in Ecology and Evolution</i> , 2008, 23, 149-158.	4.2	807
63	Predicting current and future biological invasions: both native and invaded ranges matter. <i>Biology Letters</i> , 2008, 4, 585-589.	1.0	396
64	Evidence of climatic niche shift during biological invasion. <i>Ecology Letters</i> , 2007, 10, 701-709.	3.0	903
65	Using Niche-Based Models to Improve the Sampling of Rare Species. <i>Conservation Biology</i> , 2006, 20, 501-511.	2.4	398
66	Vulnerability of African mammals to anthropogenic climate change under conservative land transformation assumptions. <i>Global Change Biology</i> , 2006, 12, 424-440.	4.2	254
67	Do geographic distribution, niche property and life form explain plants' vulnerability to global change?. <i>Global Change Biology</i> , 2006, 12, 1079-1093.	4.2	229
68	Rarity types among plant species with high conservation priority in Switzerland. <i>Botanica Helvetica</i> , 2005, 115, 95-108.	1.1	43
69	High Diversity among Feather-Degrading Bacteria from a Dry Meadow Soil. <i>Microbial Ecology</i> , 2003, 45, 282-290.	1.4	93