Olivier Broennimann

List of Publications by Year
in descending order

69 papers	10,433 citations	94433 37 h-index	98798 67 g-index
71 all docs	71 docs citations	71 times ranked	11513 citing authors

#	Article	IF	Citations
1	Predicting species distributions for conservation decisions. Ecology Letters, 2013, 16, 1424-1435.	6.4	1,375
2	Measuring ecological niche overlap from occurrence and spatial environmental data. Global Ecology and Biogeography, 2012, 21, 481-497.	5.8	1,130
3	Evidence of climatic niche shift during biological invasion. Ecology Letters, 2007, 10, 701-709.	6.4	903
4	Niche dynamics in space and time. Trends in Ecology and Evolution, 2008, 23, 149-158.	8.7	807
5	ecospat: an R package to support spatial analyses and modeling of species niches and distributions. Ecography, 2017, 40, 774-787.	4.5	703
6	Climatic Niche Shifts Are Rare Among Terrestrial Plant Invaders. Science, 2012, 335, 1344-1348.	12.6	689
7	Unifying niche shift studies: insights from biological invasions. Trends in Ecology and Evolution, 2014, 29, 260-269.	8.7	536
8	Using Niche-Based Models to Improve the Sampling of Rare Species. Conservation Biology, 2006, 20, 501-511.	4.7	398
9	Predicting current and future biological invasions: both native and invaded ranges matter. Biology Letters, 2008, 4, 585-589.	2.3	396
10	Vulnerability of African mammals to anthropogenic climate change under conservative land transformation assumptions. Global Change Biology, 2006, 12, 424-440.	9.5	254
11	Do geographic distribution, niche property and life form explain plants' vulnerability to global change?. Global Change Biology, 2006, 12, 1079-1093.	9.5	229
12	Prediction of plant species distributions across six millennia. Ecology Letters, 2008, 11, 357-369.	6.4	183
13	Selecting predictors to maximize the transferability of species distribution models: lessons from crossâ€continental plant invasions. Global Ecology and Biogeography, 2017, 26, 275-287.	5.8	175
14	Shift in cytotype frequency and niche space in the invasive plant<i>Centaurea maculosa</i>. Ecology, 2009, 90, 1366-1377.	3.2	165
15	Biological Flora of the British Isles: <i>Ambrosia artemisiifolia</i>. Journal of Ecology, 2015, 103, 1069-1098.	4.0	164
16	Niche conservatism in nonâ€native birds in <scp>E</scp>urope: niche unfilling rather than niche expansion. Global Ecology and Biogeography, 2013, 22, 962-970.	5.8	156
17	Building the niche through time: using 13,000 years of data to predict the effects of climate change on three tree species in Europe. Global Ecology and Biogeography, 2013, 22, 302-317.	5.8	152
18	Will climate change increase the risk of plant invasions into mountains?. Ecological Applications, 2016, 26, 530-544.	3.8	103

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19	Measuring the relative effect of factors affecting species distribution model predictions. Methods in Ecology and Evolution, 2014, 5, 947-955.	5.2	100
20	High Diversity among Feather-Degrading Bacteria from a Dry Meadow Soil. Microbial Ecology, 2003, 45, 282-290.	2.8	93
21	The impact of endothermy on the climatic niche evolution and the distribution of vertebrate diversity. Nature Ecology and Evolution, 2018, 2, 459-464.	7.8	91
22	Divergent and narrower climatic niches characterize polyploid species of European primroses in <i>Primula</i> sect. <i>Aleuritia</i>. Journal of Biogeography, 2013, 40, 1278-1289.	3.0	90
23	Arctic warming will promote Atlanticâ€"Pacific fishÂinterchange. Nature Climate Change, 2015, 5, 261-265.	18.8	86
24	Less favourable climates constrain demographic strategies in plants. Ecology Letters, 2017, 20, 969-980.	6.4	83
25	The mossy north: an inverse latitudinal diversity gradient in European bryophytes. Scientific Reports, 2016, 6, 25546.	3.3	74
26	Multiple introductions boosted genetic diversity in the invasive range of black cherry (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.9	68
27	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. Journal of Environmental Management, 2013, 131, 185-195.	7.8	68
28	From white to green: Snow cover loss and increased vegetation productivity in the European Alps. Science, 2022, 376, 1119-1122.	12.6	64
29	Contrasting spatioâ€temporal climatic niche dynamics during the eastern and western invasions of spotted knapweed in North America. Journal of Biogeography, 2014, 41, 1126-1136.	3.0	62
30	Anthropogenic disturbance as a driver of microspatial and microhabitat segregation of cytotypes of Centaurea stoebe and cytotype interactions in secondary contact zones. Annals of Botany, 2012, 110, 615-627.	2.9	56
31	Towards unified hypotheses of the impact of polyploidy on ecological niches. New Phytologist, 2016, 212, 540-542.	7.3	50
32	Climate change, anthropogenic disturbance and the northward range expansion of <i>Lactuca serriola</i> (Asteraceae). Journal of Biogeography, 2009, 36, 1573-1587.	3.0	49
33	Does phylogeographical structure relate to climatic niche divergence? A test using maritime pine (<scp><i>P</i></scp><i>inus pinaster</i>â€...<scp>A</scp>it.). Global Ecology and Biogeography, 2015, 24, 1302-1313.	5.8	47
34	What is the potential of spread in invasive bryophytes?. Ecography, 2015, 38, 480-487.	4.5	44
35	The regional species richness and genetic diversity of <scp>A</scp>rctic vegetation reflect both past glaciations and current climate. Global Ecology and Biogeography, 2016, 25, 430-442.	5.8	44
36	Rarity types among plant species with high conservation priority in Switzerland. Botanica Helvetica, 2005, 115, 95-108.	1.1	43

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37	Intraspecific differentiation: Implications for niche and distribution modelling. Journal of Biogeography, 2021, 48, 415-426.	3.0	43
38	More than range exposure: Global otter vulnerability to climate change. Biological Conservation, 2018, 221, 103-113.	4.1	41
39	Integrating ecosystem services within spatial biodiversity conservation prioritization in the Alps. Ecosystem Services, 2020, 45, 101186.	5.4	40
40	Spatial Predictions of Phylogenetic Diversity in Conservation Decision Making. Conservation Biology, 2011, 25, 1229-1239.	4.7	39
41	Disjunct populations of <scp>E</scp>uropean vascular plant species keep the same climatic niches. Global Ecology and Biogeography, 2015, 24, 1401-1412.	5.8	39
42	The fate of pÃ¡ramo plant assemblages in the sky islands of the northern Andes. Journal of Vegetation Science, 2020, 31, 967-980.	2.2	39
43	Hierarchical species distribution models in support of vegetation conservation at the landscape scale. Journal of Vegetation Science, 2019, 30, 386-396.	2.2	33
44	Niche conservatism in Gynandropaa frogs on the southeastern Qinghai-Tibetan Plateau. Scientific Reports, 2016, 6, 32624.	3.3	32
45	Influence of climate on the presence of colour polymorphism in two montane reptile species. Biology Letters, 2014, 10, 20140638.	2.3	28
46	A framework for assessing the scale of influence of environmental factors on ecological patterns. Ecological Complexity, 2014, 20, 151-156.	2.9	28
47	Numerical ragweed pollen forecasts using different source maps: a comparison for France. International Journal of Biometeorology, 2017, 61, 23-33.	3.0	28
48	Realized climatic niches are conserved along maximum temperatures among herpetofaunal invaders. Journal of Biogeography, 2017, 44, 111-121.	3.0	28
49	Areas of high conservation value in Georgia: present and future threats by invasive alien plants. Biological Invasions, 2015, 17, 1041-1054.	2.4	26
50	Soil protist diversity in the Swiss western Alps is better predicted by topoâ€climatic than by edaphic variables. Journal of Biogeography, 2020, 47, 866-878.	3.0	26
51	Data integration methods to account for spatial niche truncation effects in regional projections of species distribution. Ecological Applications, 2021, 31, e02427.	3.8	26
52	Distance to native climatic niche margins explains establishment success of alien mammals. Nature Communications, 2021, 12, 2353.	12.8	25
53	Temporal variability is key to modelling the climatic niche. Diversity and Distributions, 2021, 27, 473-484.	4.1	24
54	Slimy invasion: Climatic niche and current and future biogeography of <i>Arion</i> slug invaders. Diversity and Distributions, 2018, 24, 1627-1640.	4.1	23

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55	Response to Comment on â€œClimatic Niche Shifts Are Rare Among Terrestrial Plant Invadersâ€. Science, 2012, 338, 193-193.	12.6	21
56	Comparative analysis of diversity and environmental niches of soil bacterial, archaeal, fungal and protist communities reveal niche divergences along environmental gradients in the Alps. Soil Biology and Biochemistry, 2022, 169, 108674.	8.8	17
57	Climate and land-use changes reshuffle politically-weighted priority areas of mountain biodiversity. Global Ecology and Conservation, 2019, 17, e00589.	2.1	16
58	Ecoâ€genetic additivity of diploids in allopolyploid wild wheats. Ecology Letters, 2020, 23, 663-673.	6.4	16
59	Reconstructing theÂclimatic niche breadth of land use for animal production during the African Holocene. Global Ecology and Biogeography, 2020, 29, 127-147.	5.8	14
60	Areas of high conservation value at risk by plant invaders in Georgia under climate change. Ecology and Evolution, 2018, 8, 4431-4442.	1.9	12
61	Greater topoclimatic control of aboveâ€versus belowâ€ground communities. Global Change Biology, 2020, 26, 6715-6728.	9.5	11
62	Low spatial autocorrelation in mountain biodiversity data and model residuals. Ecosphere, 2021, 12, e03403.	2.2	10
63	Using a robust multiâ€settings inference framework on published datasets still reveals limited support for the abundant centre hypothesis: More testing needed on other datasets. Global Ecology and Biogeography, 2021, 30, 2211-2228.	5.8	6
64	Dispersal routes reconstruction and the minimum cost arborescence problem. Journal of Theoretical Biology, 2012, 308, 115-122.	1.7	4
65	Reply to 'Sources of uncertainties in cod distribution models'. Nature Climate Change, 2015, 5, 790-791.	18.8	3
66	Alien Plant Species: Environmental Risks in Agricultural and Agro-Forest Landscapes Under Climate Change. Climate Change Management, 2019, , 215-234.	0.8	2
67	Hybridization and hybrid zone stability between two lizards explained by population genetics and niche quantification. Zoological Journal of the Linnean Society, 2020, 190, 757-769.	2.3	1
68	ENDOTHERMY, THERMAL NICHE EVOLUTION AND THE DISTRIBUTION OF VERTEBRATE DIVERSITY. , 2017, , .		1
69	Is there a bias in participation and visibility against women in ecology? A comparison between Iberian and Swiss conferences. , 2016, 25, 105-111.		0