# Loïc Pellissier

## List of Publications by Year
## in descending order

| 168 papers | 11,758 citations | 53939<br>47 h-index | 39744<br>98 g-index |
|---|---|---|---|
| 184 all docs | 184 docs citations | 184 times ranked | 16401 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | <scp>DNA</scp>‐based networks reveal the ecological determinants of plant–herbivore interactions along environmental gradients. Molecular Ecology, 2023, 32, 6436-6448. | 2.0 | 2 |
| 2 | The effect of community‐wide phytochemical diversity on herbivory reverses from low to high elevation. Journal of Ecology, 2022, 110, 46-56. | 1.9 | 10 |
| 3 | How wild bees find a way in European cities: Pollen metabarcoding unravels multiple feeding strategies and their effects on distribution patterns in four wild bee species. Journal of Applied Ecology, 2022, 59, 457-470. | 1.9 | 19 |
| 4 | Functional Traits 2.0: The power of the metabolome for ecology. Journal of Ecology, 2022, 110, 4-20. | 1.9 | 42 |
| 5 | Evaluating bioinformatics pipelines for population‐level inference using environmental DNA. Environmental DNA, 2022, 4, 674-686. | 3.1 | 10 |
| 6 | A quantitative review of abundance‐based species distribution models. Ecography, 2022, 2022, . | 2.1 | 37 |
| 7 | Global plant‐frugivore trait matching is shaped by climate and biogeographic history. Ecology Letters, 2022, 25, 686-696. | 3.0 | 24 |
| 8 | Similar trait structure and vulnerability in pelagic fish faunas on two remote island systems. Marine Biology, 2022, 169, 1. | 0.7 | 0 |
| 9 | Dispersal and habitat dynamics shape the genetic structure of the Northern chamois in the Alps. Journal of Biogeography, 2022, 49, 1848-1861. | 1.4 | 3 |
| 10 | Cross-ocean patterns and processes in fish biodiversity on coral reefs through the lens of eDNA metabarcoding. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220162. | 1.2 | 14 |
| 11 | An integrated high‐resolution mapping shows congruent biodiversity patterns of Fagales and Pinales. New Phytologist, 2022, 235, 759-772. | 3.5 | 7 |
| 12 | Wild bee larval food composition in five European cities. Ecology, 2022, , e3740. | 1.5 | 1 |
| 13 | Disentangling the components of coastal fish biodiversity in southern Brittany by applying an environmental <scp>DNA</scp> approach. Environmental DNA, 2022, 4, 920-939. | 3.1 | 6 |
| 14 | Applying convolutional neural networks to speed up environmental DNA annotation in a highly diverse ecosystem. Scientific Reports, 2022, 12, . | 1.6 | 2 |
| 15 | Tracking sucking herbivory with nitrogen isotope labelling: Lessons from an individual trait-based approach. Basic and Applied Ecology, 2022, 63, 104-114. | 1.2 | 0 |
| 16 | Eco-evolutionary model on spatial graphs reveals how habitat structure affects phenotypic differentiation. Communications Biology, 2022, 5, . | 2.0 | 3 |
| 17 | Forecast increase in invasive rabbit spread into ecosystems of an oceanic island (Tenerife) under climate change. Ecological Applications, 2021, 31, e02206. | 1.8 | 13 |
| 18 | The structure of plant–herbivore interaction networks varies along elevational gradients in the European Alps. Journal of Biogeography, 2021, 48, 465-476. | 1.4 | 15 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Comparing environmental DNA metabarcoding and underwater visual census to monitor tropical reef fishes. Environmental DNA, 2021, 3, 142-156. | 3.1 | 61 |
| 20 | Saproxylic species are linked to the amount and isolation of dead wood across spatial scales in a beech forest. Landscape Ecology, 2021, 36, 89-104. | 1.9 | 24 |
| 21 | Detection of the elusive Dwarf sperm whale (*Kogia sima*) using environmental DNA at Malpelo island (Eastern Pacific, Colombia). Ecology and Evolution, 2021, 11, 2956-2962. | 0.8 | 14 |
| 22 | Low spatial autocorrelation in mountain biodiversity data and model residuals. Ecosphere, 2021, 12, e03403. | 1.0 | 10 |
| 23 | Changes in plant-herbivore network structure and robustness along land-use intensity gradients in grasslands and forests. Science Advances, 2021, 7, . | 4.7 | 27 |
| 24 | Linking functional traits and demography to model species-rich communities. Nature Communications, 2021, 12, 2724. | 5.8 | 26 |
| 25 | eDNA sampled from stream networks correlates with camera trap detection rates of terrestrial mammals. Scientific Reports, 2021, 11, 11362. | 1.6 | 35 |
| 26 | Comparing the performance of 12S mitochondrial primers for fish environmental DNA across ecosystems. Environmental DNA, 2021, 3, 1113-1127. | 3.1 | 38 |
| 27 | gen3sis: A general engine for eco-evolutionary simulations of the processes that shape Earth's biodiversity. PLoS Biology, 2021, 19, e3001340. | 2.6 | 54 |
| 28 | Detecting aquatic and terrestrial biodiversity in a tropical estuary using environmental DNA. Biotropica, 2021, 53, 1606-1619. | 0.8 | 18 |
| 29 | Patterns of taxonomic and functional diversity in the global cleaner reef fish fauna. Journal of Biogeography, 2021, 48, 2469-2485. | 1.4 | 12 |
| 30 | Use of environmental DNA in assessment of fish functional and phylogenetic diversity. Conservation Biology, 2021, 35, 1944-1956. | 2.4 | 25 |
| 31 | Species ecology explains the spatial components of genetic diversity in tropical reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211574. | 1.2 | 3 |
| 32 | Earth history events shaped the evolution of uneven biodiversity across tropical moist forests. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 54 |
| 33 | Applying predictive models to study the ecological properties of urban ecosystems: A case study in Zürich, Switzerland. Landscape and Urban Planning, 2021, 214, 104137. | 3.4 | 17 |
| 34 | Spatial and evolutionary predictability of phytochemical diversity. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 63 |
| 35 | Coral reef fishes reveal strong divergence in the prevalence of traits along the global diversity gradient. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211712. | 1.2 | 6 |
| 36 | How many replicates to accurately estimate fish biodiversity using environmental DNA on coral reefs?. Ecology and Evolution, 2021, 11, 14630-14643. | 0.8 | 28 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Influence of historical changes in tropical reef habitat on the diversification of coral reef fishes. Scientific Reports, 2021, 11, 20731. | 1.6 | 4 |
| 38 | Applying deep neural networks to predict incidence and phenology of plant pests and diseases. Ecosphere, 2021, 12, e03791. | 1.0 | 11 |
| 39 | Area, isolation and climate explain the diversity of mammals on islands worldwide. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211879. | 1.2 | 4 |
| 40 | Model complexity affects species distribution projections under climate change. Journal of Biogeography, 2020, 47, 130-142. | 1.4 | 106 |
| 41 | Plant physical and chemical traits associated with herbivory in situ and under a warming treatment. Journal of Ecology, 2020, 108, 733-749. | 1.9 | 23 |
| 42 | Integrating ecosystem services within spatial biodiversity conservation prioritization in the Alps. Ecosystem Services, 2020, 45, 101186. | 2.3 | 40 |
| 43 | Reptile species richness associated to ecological and historical variables in Iran. Scientific Reports, 2020, 10, 18167. | 1.6 | 19 |
| 44 | Contrasting responses of above- and below-ground herbivore communities along elevation. Oecologia, 2020, 194, 515-528. | 0.9 | 8 |
| 45 | Marine fish diversity in Tropical America associated with both past and present environmental conditions. Journal of Biogeography, 2020, 47, 2597-2610. | 1.4 | 6 |
| 46 | Greater topoclimatic control of above‐versus below‐ground communities. Global Change Biology, 2020, 26, 6715-6728. | 4.2 | 11 |
| 47 | Rapid climate change results in long-lasting spatial homogenization of phylogenetic diversity. Nature Communications, 2020, 11, 4663. | 5.8 | 23 |
| 48 | A landscape‐scale assessment of the relationship between grassland functioning, community diversity, and functional traits. Ecology and Evolution, 2020, 10, 9906-9919. | 0.8 | 8 |
| 49 | Inflection point in climatic suitability of insect pest species in Europe suggests non‐linear responses to climate change. Global Change Biology, 2020, 26, 6338-6349. | 4.2 | 10 |
| 50 | Novel trophic interactions under climate change promote alpine plant coexistence. Science, 2020, 370, 1469-1473. | 6.0 | 51 |
| 51 | Harnessing paleo‐environmental modeling and genetic data to predict intraspecific genetic structure. Evolutionary Applications, 2020, 13, 1526-1542. | 1.5 | 10 |
| 52 | Crop and forest pest metawebs shift towards increased linkage and suitability overlap under climate change. Communications Biology, 2020, 3, 233. | 2.0 | 34 |
| 53 | A global database of soil nematode abundance and functional group composition. Scientific Data, 2020, 7, 103. | 2.4 | 46 |
| 54 | Global determinants of freshwater and marine fish genetic diversity. Nature Communications, 2020, 11, 692. | 5.8 | 97 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 55 | Global vulnerability of marine mammals to global warming. Scientific Reports, 2020, 10, 548. | 1.6 | 63 |
| 56 | Consistency of spatio–temporal patterns of avian migration across the Swiss lowlands. Remote Sensing in Ecology and Conservation, 2020, 6, 198-211. | 2.2 | 5 |
| 57 | SoilTemp: A global database of near–surface temperature. Global Change Biology, 2020, 26, 6616-6629. | 4.2 | 122 |
| 58 | Disentangling the processes driving plant assemblages in mountain grasslands across spatial scales and environmental gradients. Journal of Ecology, 2019, 107, 265-278. | 1.9 | 26 |
| 59 | The marine fish food web is globally connected. Nature Ecology and Evolution, 2019, 3, 1153-1161. | 3.4 | 76 |
| 60 | Cross-scale effects of land use on the functional composition of herbivorous insect communities. Landscape Ecology, 2019, 34, 2001-2015. | 1.9 | 16 |
| 61 | Mountain building, climate cooling and the richness of cold–adapted plants in the Northern Hemisphere. Journal of Biogeography, 2019, 46, 1792-1807. | 1.4 | 24 |
| 62 | Comparing temperature data sources for use in species distribution models: From in–situ logging to remote sensing. Global Ecology and Biogeography, 2019, 28, 1578-1596. | 2.7 | 104 |
| 63 | Soil nematode abundance and functional group composition at a global scale. Nature, 2019, 572, 194-198. | 13.7 | 635 |
| 64 | A Minimal Model for the Latitudinal Diversity Gradient Suggests a Dominant Role for Ecological Limits. American Naturalist, 2019, 194, E122-E133. | 1.0 | 41 |
| 65 | Ecological constraints coupled with deep-time habitat dynamics predict the latitudinal diversity gradient in reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191506. | 1.2 | 17 |
| 66 | Correlated Induction of Phytohormones and Glucosinolates Shapes Insect Herbivore Resistance of Cardamine Species Along Elevational Gradients. Journal of Chemical Ecology, 2019, 45, 638-648. | 0.9 | 5 |
| 67 | Urban bumblebees are smaller and more phenotypically diverse than their rural counterparts. Journal of Animal Ecology, 2019, 88, 1522-1533. | 1.3 | 51 |
| 68 | Climate and land-use changes reshuffle politically-weighted priority areas of mountain biodiversity. Global Ecology and Conservation, 2019, 17, e00589. | 1.0 | 16 |
| 69 | A process–based model supports an association between dispersal and the prevalence of species traits in tropical reef fish assemblages. Ecography, 2019, 42, 2095-2106. | 2.1 | 13 |
| 70 | The productivity-biodiversity relationship varies across diversity dimensions. Nature Communications, 2019, 10, 5691. | 5.8 | 64 |
| 71 | The Latitudinal Diversity Gradient: Novel Understanding through Mechanistic Eco-evolutionary Models. Trends in Ecology and Evolution, 2019, 34, 211-223. | 4.2 | 151 |
| 72 | Assessing potential landscape service trade-offs driven by urbanization in Switzerland. Palgrave Communications, 2019, 5, . | 4.7 | 11 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 73 | Growth–competition–herbivore resistance trade–offs and the responses of alpine plant communities to climate change. Functional Ecology, 2018, 32, 1693-1703. | 1.7 | 24 |
| 74 | The unfolding of plant growth form–defence syndromes along elevation gradients. Ecology Letters, 2018, 21, 609-618. | 3.0 | 67 |
| 75 | Are global hotspots of endemic richness shaped by plate tectonics?. Biological Journal of the Linnean Society, 2018, 123, 247-261. | 0.7 | 41 |
| 76 | Comparing spatial diversification and meta-population models in the Indo-Australian Archipelago. Royal Society Open Science, 2018, 5, 171366. | 1.1 | 8 |
| 77 | Improving spatial predictions of taxonomic, functional and phylogenetic diversity. Journal of Ecology, 2018, 106, 76-86. | 1.9 | 21 |
| 78 | Linking genetic and ecological differentiation in an ungulate with a circumpolar distribution. Ecography, 2018, 41, 922-937. | 2.1 | 15 |
| 79 | Comparing species interaction networks along environmental gradients. Biological Reviews, 2018, 93, 785-800. | 4.7 | 203 |
| 80 | Linking species diversification to palaeo–environmental changes: A process–based modelling approach. Global Ecology and Biogeography, 2018, 27, 233-244. | 2.7 | 55 |
| 81 | Lags in the response of mountain plant communities to climate change. Global Change Biology, 2018, 24, 563-579. | 4.2 | 279 |
| 82 | Forecasted homogenization of high Arctic vegetation communities under climate change. Journal of Biogeography, 2018, 45, 2576-2587. | 1.4 | 22 |
| 83 | Plant physical and chemical defence variation along elevation gradients: a functional trait-based approach. Oecologia, 2018, 187, 561-571. | 0.9 | 35 |
| 84 | The functional decoupling of processes in alpine ecosystems under climate change. Current Opinion in Insect Science, 2018, 29, 126-132. | 2.2 | 13 |
| 85 | A tale of two forests: ongoing aridification drives population decline and genetic diversity loss at continental scale in Afro-Macaronesian evergreen-forest archipelago endemics. Annals of Botany, 2018, 122, 1005-1017. | 1.4 | 21 |
| 86 | Lineage–specific climatic niche drives the tempo of vicariance in the Rand Flora. Journal of Biogeography, 2017, 44, 911-923. | 1.4 | 35 |
| 87 | Spatial imprints of plate tectonics on extant richness of terrestrial vertebrates. Journal of Biogeography, 2017, 44, 1185-1197. | 1.4 | 17 |
| 88 | Climatic niche evolution is faster in sympatric than allopatric lineages of the butterfly genus *Pyrgus*. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170208. | 1.2 | 21 |
| 89 | Responses of coral reef fishes to past climate changes are related to life–history traits. Ecology and Evolution, 2017, 7, 1996-2005. | 0.8 | 15 |
| 90 | Landscape selection by migratory geese: implications for hunting organisation. Wildlife Biology, 2017, 2017, 1-12. | 0.6 | 10 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 91 | Species pool distributions along functional trade-offs shape plant productivity–diversity relationships. Scientific Reports, 2017, 7, 15405. | 1.6 | 13 |
| 92 | Combining modelling tools to evaluate a goose management scheme. Ambio, 2017, 46, 210-223. | 2.8 | 10 |
| 93 | Uneven rate of plant turnover along elevation in grasslands. Alpine Botany, 2017, 127, 53-63. | 1.1 | 25 |
| 94 | Community-level plant palatability increases with elevation as insect herbivore abundance declines. Journal of Ecology, 2017, 105, 142-151. | 1.9 | 69 |
| 95 | ecospat: an R package to support spatial analyses and modeling of species niches and distributions. Ecography, 2017, 40, 774-787. | 2.1 | 703 |
| 96 | How can global conventions for biodiversity and ecosystem services guide local conservation actions?. Current Opinion in Environmental Sustainability, 2017, 29, 145-150. | 3.1 | 12 |
| 97 | High Rate of Protein Coding Sequence Evolution and Species Diversification in the Lycaenids. Frontiers in Ecology and Evolution, 2017, 5, . | 1.1 | 6 |
| 98 | A Comparison of Climatic Niches of the Same Alpine Plant Species in the Central Caucasus and the Alps. Geobotany Studies, 2017, , 133-144. | 0.2 | 0 |
| 99 | Different rates of defense evolution and niche preferences in clonal and nonclonal milkweeds (*Asclepias* spp.). New Phytologist, 2016, 209, 1230-1239. | 3.5 | 18 |
| 100 | Biological introduction risks from shipping in a warming Arctic. Journal of Applied Ecology, 2016, 53, 340-349. | 1.9 | 36 |
| 101 | The simultaneous inducibility of phytochemicals related to plant direct and indirect defences against herbivores is stronger at low elevation. Journal of Ecology, 2016, 104, 1116-1125. | 1.9 | 72 |
| 102 | Simulated shifts in trophic niche breadth modulate range loss of alpine butterflies under climate change. Ecography, 2016, 39, 796-804. | 2.1 | 21 |
| 103 | The regional species richness and genetic diversity of Arctic vegetation reflect both past glaciations and current climate. Global Ecology and Biogeography, 2016, 25, 430-442. | 2.7 | 44 |
| 104 | Plate tectonics drive tropical reef biodiversity dynamics. Nature Communications, 2016, 7, 11461. | 5.8 | 136 |
| 105 | Loss of connectivity among island-dwelling Peary caribou following sea ice decline. Biology Letters, 2016, 12, 20160235. | 1.0 | 29 |
| 106 | Differential phenotypic and genetic expression of defence compounds in a plant–herbivore interaction along elevation. Royal Society Open Science, 2016, 3, 160226. | 1.1 | 14 |
| 107 | Past climate-driven range shifts and population genetic diversity in arctic plants. Journal of Biogeography, 2016, 43, 461-470. | 1.4 | 48 |
| 108 | Historical and contemporary determinants of global phylogenetic structure in tropical reef fish faunas. Ecography, 2016, 39, 825-835. | 2.1 | 20 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Non-native and native organisms moving into high elevation and high latitude ecosystems in an era of climate change: new challenges for ecology and conservation. Biological Invasions, 2016, 18, 345-353. | 1.2 | 127 |
| 110 | Airborne and Grain Dust Fungal Community Compositions Are Shaped Regionally by Plant Genotypes and Farming Practices. Applied and Environmental Microbiology, 2016, 82, 2121-2131. | 1.4 | 13 |
| 111 | Archived DNA reveals fisheries and climate induced collapse of a major fishery. Scientific Reports, 2015, 5, 15395. | 1.6 | 40 |
| 112 | Dispersal Dynamics in Food Webs. American Naturalist, 2015, 185, 157-168. | 1.0 | 13 |
| 113 | Forecasted coral reef decline in marine biodiversity hotspots under climate change. Global Change Biology, 2015, 21, 2479-2487. | 4.2 | 97 |
| 114 | Arctic warming will promote Atlantic–Pacific fish interchange. Nature Climate Change, 2015, 5, 261-265. | 8.1 | 86 |
| 115 | Social structure varies with elevation in an Alpine ant. Molecular Ecology, 2015, 24, 498-507. | 2.0 | 30 |
| 116 | Using species richness and functional traits predictions to constrain assemblage predictions from stacked species distribution models. Journal of Biogeography, 2015, 42, 1255-1266. | 1.4 | 97 |
| 117 | Diversification of the cold-adapted butterfly genus Oeneis related to Holarctic biogeography and climatic niche shifts. Molecular Phylogenetics and Evolution, 2015, 92, 255-265. | 1.2 | 23 |
| 118 | Herbicide and fertilizers promote analogous phylogenetic responses but opposite functional responses in plant communities. Environmental Research Letters, 2014, 9, 024016. | 2.2 | 25 |
| 119 | Plant functional and phylogenetic turnover correlate with climate and land use in the Western Swiss Alps. Journal of Plant Ecology, 2014, 7, 439-450. | 1.2 | 17 |
| 120 | Differential allocation and deployment of direct and indirect defences by *Vicia sepium* along elevation gradients. Journal of Ecology, 2014, 102, 930-938. | 1.9 | 53 |
| 121 | Incorporating dominant species as proxies for biotic interactions strengthens plant community models. Journal of Ecology, 2014, 102, 767-775. | 1.9 | 63 |
| 122 | High elevation *Plantago lanceolata* plants are less resistant to herbivory than their low elevation conspecifics: is it just temperature?. Ecography, 2014, 37, 950-959. | 2.1 | 105 |
| 123 | Quaternary coral reef refugia preserved fish diversity. Science, 2014, 344, 1016-1019. | 6.0 | 148 |
| 124 | Genetic diversity in caribou linked to past and future climate change. Nature Climate Change, 2014, 4, 132-137. | 8.1 | 154 |
| 125 | Soil fungal communities of grasslands are environmentally structured at a regional scale in the Alps. Molecular Ecology, 2014, 23, 4274-4290. | 2.0 | 125 |
| 126 | Functional homogenization of bumblebee communities in alpine landscapes under projected climate change. Climate Change Responses, 2014, 1, . | 2.6 | 44 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 127 | Climate‐driven change in plant–insect interactions along elevation gradients. Functional Ecology, 2014, 28, 46-54. | 1.7 | 189 |
| 128 | Temporally dynamic habitat suitability predicts genetic relatedness among caribou. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140502. | 1.2 | 13 |
| 129 | Very high resolution environmental predictors in species distribution models. Progress in Physical Geography, 2014, 38, 79-96. | 1.4 | 95 |
| 130 | Transitions in social complexity along elevational gradients reveal a combined impact of season length and development time on social evolution. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140627. | 1.2 | 47 |
| 131 | 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. | 2.7 | 152 |
| 132 | Spatial predictions of land‐use transitions and associated threats to biodiversity: the case of forest regrowth in mountain grasslands. Applied Vegetation Science, 2013, 16, 227-236. | 0.9 | 31 |
| 133 | Morphological, ecological and genetic aspects associated with endemism in the <scp>F</scp>ly <scp>O</scp>rchid group. Molecular Ecology, 2013, 22, 1431-1446. | 2.0 | 20 |
| 134 | The accuracy of plant assemblage prediction from species distribution models varies along environmental gradients. Global Ecology and Biogeography, 2013, 22, 52-63. | 2.7 | 121 |
| 135 | Thermal niches are more conserved at cold than warm limits in arctic‐alpine plant species. Global Ecology and Biogeography, 2013, 22, 933-941. | 2.7 | 60 |
| 136 | Improving the prediction of plant species distribution and community composition by adding edaphic to topo‐climatic variables. Journal of Vegetation Science, 2013, 24, 593-606. | 1.1 | 145 |
| 137 | Turnover of plant lineages shapes herbivore phylogenetic beta diversity along ecological gradients. Ecology Letters, 2013, 16, 600-608. | 3.0 | 71 |
| 138 | Phylogenetic alpha and beta diversities of butterfly communities correlate with climate in the western Swiss Alps. Ecography, 2013, 36, 541-550. | 2.1 | 48 |
| 139 | Horizontal, but not vertical, biotic interactions affect fine‐scale plant distribution patterns in a low‐energy system. Ecology, 2013, 94, 671-682. | 1.5 | 51 |
| 140 | Phylogenetic relatedness and proboscis length contribute to structuring bumblebee communities in the extremes of abiotic and biotic gradients. Global Ecology and Biogeography, 2013, 22, 577-585. | 2.7 | 22 |
| 141 | Predicting current and future spatial community patterns of plant functional traits. Ecography, 2013, 36, 1158-1168. | 2.1 | 79 |
| 142 | A probabilistic approach to niche‐based community models for spatial forecasts of assemblage properties and their uncertainties. Journal of Biogeography, 2013, 40, 1939-1946. | 1.4 | 20 |
| 143 | The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling. Biological Reviews, 2013, 88, 15-30. | 4.7 | 1,224 |
| 144 | Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. Frontiers in Plant Science, 2013, 4, 500. | 1.7 | 38 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 145 | Density-based hierarchical clustering of pyro-sequences on a large scaleâ€"the case of fungal ITS1. Bioinformatics, 2013, 29, 1268-1274. | 1.8 | 19 |
| 146 | Combining food web and species distribution models for improved community projections. Ecology and Evolution, 2013, 3, 4572-4583. | 0.8 | 50 |
| 147 | Phylogenetic plant community structure along elevation is lineage specific. Ecology and Evolution, 2013, 3, 4925-4939. | 0.8 | 30 |
| 148 | Suitability, success and sinks: how do predictions of nesting distributions relate to fitness parameters in high arctic waders?. Diversity and Distributions, 2013, 19, 1496-1505. | 1.9 | 15 |
| 149 | Functional diversity decreases with temperature in high elevation ant fauna. Ecological Entomology, 2013, 38, 364-373. | 1.1 | 44 |
| 150 | Trophic specialization influences the rate of environmental niche evolution in damselfishes (Pomacentridae). Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3662-3669. | 1.2 | 37 |
| 151 | Molecular substitution rate increases in myrmecophilous lycaenid butterflies (Lepidoptera). Zoologica Scripta, 2012, 41, 651-658. | 0.7 | 17 |
| 152 | Shifts in species richness, herbivore specialization, and plant resistance along elevation gradients. Ecology and Evolution, 2012, 2, 1818-1825. | 0.8 | 148 |
| 153 | Ecological assembly rules in plant communitiesâ€"approaches, patterns and prospects. Biological Reviews, 2012, 87, 111-127. | 4.7 | 717 |
| 154 | Loss of interactions with ants under cold climate in a regional myrmecophilous butterfly fauna. Journal of Biogeography, 2012, 39, 1782-1790. | 1.4 | 21 |
| 155 | Climateâ€based empirical models show biased predictions of butterfly communities along environmental gradients. Ecography, 2012, 35, 684-692. | 2.1 | 42 |
| 156 | Multiple refugia and barriers explain the phylogeography of the Valais shrew, Sorex antinorii (Mammalia: Soricomorpha). Biological Journal of the Linnean Society, 2012, 105, 864-880. | 0.7 | 21 |
| 157 | Predicting present and future intraâ€specific genetic structure through niche hindcasting across 24 millennia. Ecology Letters, 2012, 15, 649-657. | 3.0 | 79 |
| 158 | Measuring ecological niche overlap from occurrence and spatial environmental data. Global Ecology and Biogeography, 2012, 21, 481-497. | 2.7 | 1,130 |
| 159 | Pollinators as drivers of plant distribution and assemblage into communities. , 2011, , 392-413. | | 8 |
| 160 | Adaptive colour polymorphism of Acrida ungarica H. (Orthoptera: Acrididae) in a spatially heterogeneous environment. Acta Oecologica, 2011, 37, 93-98. | 0.5 | 16 |
| 161 | Predicting spatial patterns of plant species richness: a comparison of direct macroecological and species stacking modelling approaches. Diversity and Distributions, 2011, 17, 1122-1131. | 1.9 | 190 |
| 162 | Variation in the proportion of flower visitors of <i>Arum maculatum</i> along its distributional range in relation with communityâ€based climatic niche analyses. Oikos, 2011, 120, 728-734. | 1.2 | 25 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 163 | Ecological niche overlap in sister species: how do oil-collecting bees Macropis europaea and Macropis fulvipes (Hymenoptera: Melittidae) avoid hybridization and competition?. Apidologie, 2011, 42, 579-595. | 0.9 | 9 |
| 164 | Plant traits co-vary with altitude in grasslands and forests in the European Alps. Plant Ecology, 2010, 211, 351-365. | 0.7 | 95 |
| 165 | Spatial pattern of floral morphology: possible insight into the effects of pollinators on plant distributions. Oikos, 2010, 119, 1805-1813. | 1.2 | 61 |
| 166 | Species distribution models reveal apparent competitive and facilitative effects of a dominant species on the distribution of tundra plants. Ecography, 2010, 33, 1004-1014. | 2.1 | 148 |
| 167 | Generalized food-deceptive orchid species flower earlier and occur at lower altitudes than rewarding ones. Journal of Plant Ecology, 2010, 3, 243-250. | 1.2 | 29 |
| 168 | Overcoming the rare species modelling paradox: A novel hierarchical framework applied to an Iberian endemic plant. Biological Conservation, 2010, 143, 2647-2657. | 1.9 | 187 |