

Pedro R Peres-Neto

List of Publications by Year in descending order

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76
papers

15,030
citations

70961

41
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71532

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docs citations

77
times ranked

18301
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. <i>Ecography</i> , 2007, 30, 609-628.	2.1	2,522
2	VARIATION PARTITIONING OF SPECIES DATA MATRICES: ESTIMATION AND COMPARISON OF FRACTIONS. <i>Ecology</i> , 2006, 87, 2614-2625.	1.5	1,875
3	Spatial modelling: a comprehensive framework for principal coordinate analysis of neighbour matrices (PCNM). <i>Ecological Modelling</i> , 2006, 196, 483-493.	1.2	1,572
4	ANALYZING BETA DIVERSITY: PARTITIONING THE SPATIAL VARIATION OF COMMUNITY COMPOSITION DATA. <i>Ecological Monographs</i> , 2005, 75, 435-450.	2.4	1,014
5	How well do multivariate data sets match? The advantages of a Procrustean superimposition approach over the Mantel test. <i>Oecologia</i> , 2001, 129, 169-178.	0.9	801
6	What controls who is where in freshwater fish communities – the roles of biotic, abiotic, and spatial factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 157-170.	0.7	751
7	How many principal components? stopping rules for determining the number of non-trivial axes revisited. <i>Computational Statistics and Data Analysis</i> , 2005, 49, 974-997.	0.7	626
8	SPATIAL MODELING IN ECOLOGY: THE FLEXIBILITY OF EIGENFUNCTION SPATIAL ANALYSES. <i>Ecology</i> , 2006, 87, 2603-2613.	1.5	523
9	Community ecology in the age of multivariate multiscale spatial analysis. <i>Ecological Monographs</i> , 2012, 82, 257-275.	2.4	506
10	THE ROLE OF ENVIRONMENTAL AND SPATIAL PROCESSES IN STRUCTURING LAKE COMMUNITIES FROM BACTERIA TO FISH. <i>Ecology</i> , 2006, 87, 2985-2991.	1.5	446
11	Combining the fourth-corner and the RLQ methods for assessing trait responses to environmental variation. <i>Ecology</i> , 2014, 95, 14-21.	1.5	398
12	Estimating and controlling for spatial structure in the study of ecological communities. <i>Global Ecology and Biogeography</i> , 2010, 19, 174-184.	2.7	370
13	GIVING MEANINGFUL INTERPRETATION TO ORDINATION AXES: ASSESSING LOADING SIGNIFICANCE IN PRINCIPAL COMPONENT ANALYSIS. <i>Ecology</i> , 2003, 84, 2347-2363.	1.5	297
14	What controls who is where in freshwater fish communities – the roles of biotic, abiotic, and spatial factors. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 157-170.	0.7	186
15	Metacommunity phylogenetics: separating the roles of environmental filters and historical biogeography. <i>Ecology Letters</i> , 2010, 13, 1290-1299.	3.0	175
16	Predictive Models of Fish Species Distributions: A Note on Proper Validation and Chance Predictions. <i>Transactions of the American Fisheries Society</i> , 2002, 131, 329-336.	0.6	159
17	Patterns in the co-occurrence of fish species in streams: the role of site suitability, morphology and phylogeny versus species interactions. <i>Oecologia</i> , 2004, 140, 352-360.	0.9	151
18	Why phylogenies do not always predict ecological differences. <i>Ecological Monographs</i> , 2017, 87, 535-551.	2.4	148

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19	Spatial isolation and fish communities in drainage lakes. <i>Oecologia</i> , 2001, 127, 572-585.	0.9	141
20	Environmentally constrained null models: site suitability as occupancy criterion. <i>Oikos</i> , 2001, 93, 110-120.	1.2	131
21	Linking trait variation to the environment: critical issues with community-weighted mean correlation resolved by the fourth-corner approach. <i>Ecography</i> , 2017, 40, 806-816.	2.1	124
22	An Empirical Comparison of SPM Preprocessing Parameters to the Analysis of fMRI Data. <i>NeuroImage</i> , 2002, 17, 19-28.	2.1	116
23	Quantifying and disentangling dispersal in metacommunities: how close have we come? How far is there to go?. <i>Landscape Ecology</i> , 2010, 25, 495-507.	1.9	116
24	Spatiotemporal dynamics in a seasonal metacommunity structure is predictable: the case of floodplain fish communities. <i>Ecography</i> , 2014, 37, 464-475.	2.1	113
25	Assessing the effects of spatial contingency and environmental filtering on metacommunity phylogenetics. <i>Ecology</i> , 2012, 93, S14.	1.5	105
26	The influence of swimming demand on phenotypic plasticity and morphological integration: a comparison of two polymorphic charr species. <i>Oecologia</i> , 2004, 140, 36-45.	0.9	103
27	Ecology in the age of DNA barcoding: the resource, the promise and the challenges ahead. <i>Molecular Ecology Resources</i> , 2014, 14, 221-232.	2.2	99
28	A NEW PHYLOGENETIC METHOD FOR IDENTIFYING EXCEPTIONAL PHENOTYPIC DIVERSIFICATION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 135-146.	1.1	95
29	A community of metacommunities: exploring patterns in species distributions across large geographical areas. <i>Ecology</i> , 2013, 94, 627-639.	1.5	95
30	Phylogenetic eigenvector maps: a framework to model and predict species traits. <i>Methods in Ecology and Evolution</i> , 2013, 4, 1120-1131.	2.2	91
31	MEMGENE: Spatial pattern detection in genetic distance data. <i>Methods in Ecology and Evolution</i> , 2014, 5, 1116-1120.	2.2	83
32	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. <i>Ecology</i> , 2008, 89, 3238-3244.	1.5	81
33	Assessing the robustness of randomization tests: examples from behavioural studies. <i>Animal Behaviour</i> , 2001, 61, 79-86.	0.8	64
34	Beyond neutrality: disentangling the effects of species sorting and spurious correlations in community analysis. <i>Ecology</i> , 2018, 99, 1737-1747.	1.5	62
35	Global urban environmental change drives adaptation in white clover. <i>Science</i> , 2022, 375, 1275-1281.	6.0	62
36	Determinism of bacterial metacommunity dynamics in the southern East China Sea varies depending on hydrography. <i>Ecography</i> , 2015, 38, 198-212.	2.1	61

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37	Much beyond Mantel: Bringing Procrustes Association Metric to the Plant and Soil Ecologist's Toolbox. <i>PLoS ONE</i> , 2014, 9, e101238.	1.1	60
38	Using functional traits to investigate the determinants of crustacean zooplankton community structure. <i>Oikos</i> , 2013, 122, 1700-1709.	1.2	58
39	Using null model analysis of species co-occurrences to deconstruct biodiversity patterns and select indicator species. <i>Diversity and Distributions</i> , 2009, 15, 958-971.	1.9	50
40	Measuring Protected Area Isolation and Correlations of Isolation with Land Use Intensity and Protection Status. <i>Conservation Biology</i> , 2012, 26, 610-618.	2.4	48
41	Influence of agronomic practices, local environment and landscape structure on predatory beetle assemblage. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 500-507.	2.5	42
42	A critical issue in model-based inference for studying trait-based community assembly and a solution. <i>PeerJ</i> , 2017, 5, e2885.	0.9	39
43	Habitat-based polymorphism is common in stream fishes. <i>Journal of Animal Ecology</i> , 2015, 84, 219-227.	1.3	38
44	Deconstructing the relationships between phylogenetic diversity and ecology: a case study on ecosystem functioning. <i>Ecology</i> , 2016, 97, 2212-2222.	1.5	34
45	On the evolution of dispersal via heterogeneity in spatial connectivity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142879.	1.2	30
46	Simple parametric tests for trait-environment association. <i>Journal of Vegetation Science</i> , 2018, 29, 801-811.	1.1	27
47	Assessing among-lineage variability in phylogenetic imputation of functional trait datasets. <i>Ecography</i> , 2018, 41, 1740-1749.	2.1	26
48	Climate, history and life-history strategies interact in explaining differential macroecological patterns in freshwater zooplankton. <i>Global Ecology and Biogeography</i> , 2016, 25, 1454-1465.	2.7	22
49	Meso-scale distributions of lake zooplankton reveal spatially and temporally varying trophic cascades. <i>Journal of Plankton Research</i> , 2010, 32, 1369-1384.	0.8	21
50	Improving phylogenetic regression under complex evolutionary models. <i>Ecology</i> , 2016, 97, 286-293.	1.5	18
51	Spatial and species compositional networks for inferring connectivity patterns in ecological communities. <i>Global Ecology and Biogeography</i> , 2015, 24, 718-727.	2.7	17
52	The interaction between the spatial distribution of resource patches and population density: consequences for intraspecific growth and morphology. <i>Journal of Animal Ecology</i> , 2015, 84, 934-942.	1.3	17
53	Act to staunch loss of research data. <i>Nature</i> , 2015, 520, 436-436.	13.7	16
54	Convergent polymorphism between stream and lake habitats: the case of brook char. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 1406-1414.	0.7	15

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55	A quantitative framework to estimate the relative importance of environment, spatial variation and patch connectivity in driving community composition. <i>Journal of Animal Ecology</i> , 2017, 86, 316-326.	1.3	14
56	The interaction of phylogeny and community structure: Linking the community composition and trait evolution of clades. <i>Global Ecology and Biogeography</i> , 2019, 28, 1499-1511.	2.7	14
57	Type 1 Error Rates of the Parsimony Permutation Tail Probability Test. <i>Systematic Biology</i> , 2002, 51, 524-527.	2.7	13
58	Morphological and swim performance variation among reproductive tactics of bluegill sunfish (<i>Lepomis macrochirus</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1802-1810.	0.7	13
59	Phylogenetic gradient analysis: environmental drivers of phylogenetic variation across ecological communities. <i>Plant Ecology</i> , 2015, 216, 709-724.	0.7	13
60	The importance of scaling of multivariate analysis in ecological studies. <i>Ecoscience</i> , 2001, 8, 522-526.	0.6	12
61	Competitive effects between rainbow trout and Atlantic salmon in natural and artificial streams. <i>Ecology of Freshwater Fish</i> , 2016, 25, 248-260.	0.7	12
62	The spatial frequency of climatic conditions affects niche composition and functional diversity of species assemblages: the case of Angiosperms. <i>Ecology Letters</i> , 2020, 23, 254-264.	3.0	12
63	Will technology trample peer review in ecology? Ongoing issues and potential solutions. <i>Oikos</i> , 2016, 125, 3-9.	1.2	11
64	Shifts in Climate Foster Exceptional Opportunities for Species Radiation: The Case of South African Geraniums. <i>PLoS ONE</i> , 2013, 8, e83087.	1.1	10
65	Seasonal trophic dynamics affect zooplankton community variability. <i>Freshwater Biology</i> , 2009, 54, 2351-2363.	1.2	9
66	Epidemiological landscape models reproduce cyclic insect outbreaks. <i>Ecological Complexity</i> , 2017, 31, 78-87.	1.4	9
67	Using directed phylogenetic networks to retrace species dispersal history. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 190-197.	1.2	7
68	Delineating marine ecological units: a novel approach for deciding which taxonomic group to use and which taxonomic resolution to choose. <i>Diversity and Distributions</i> , 2015, 21, 1167-1180.	1.9	7
69	Phenotype-dependent selection underlies patterns of sorting across habitats: the case of stream fishes. <i>Oikos</i> , 2017, 126, 1660-1671.	1.2	7
70	Effects of foraging and sexual selection on ecomorphology of a fish with alternative reproductive tactics. <i>Behavioral Ecology</i> , 2013, 24, 1339-1347.	1.0	6
71	Inferring explicit weighted consensus networks to represent alternative evolutionary histories. <i>BMC Evolutionary Biology</i> , 2013, 13, 274.	3.2	5
72	When Are Random Data Not Random, or Is the PTP Test Useful?. <i>Cladistics</i> , 2000, 16, 420-424.	1.5	4

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73	Early growth trajectories affect sexual responsiveness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132899.	1.2	4
74	Disturbance-induced emigration: an overlooked mechanism that reduces metapopulation extinction risk. <i>Ecology</i> , 2021, 102, e03423.	1.5	3
75	Species compositions mediate biomass conservation: The case of lake fish communities. <i>Ecology</i> , 2021, , e3608.	1.5	3
76	Games researchers play: conceptual advancement versus validation strategies. <i>Trends in Ecology and Evolution</i> , 2022, 37, 399-401.	4.2	1