

# Pedro R Peres-Neto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76  
papers

11,967  
citations

37  
h-index

77  
g-index

77  
ext. papers

13,574  
ext. citations

5.6  
avg, IF

6.44  
L-index

#	Paper	IF	Citations
76	Global urban environmental change drives adaptation in white clover.. <i>Science</i> , <b>2022</b> , 375, 1275-1281	33.3	6
75	Species compositions mediate biomass conservation: the case of lake fish communities.. <i>Ecology</i> , <b>2021</b> , e3608	4.6	
74	Disturbance-induced emigration: an overlooked mechanism that reduces metapopulation extinction risk. <i>Ecology</i> , <b>2021</b> , 102, e03423	4.6	1
73	The spatial frequency of climatic conditions affects niche composition and functional diversity of species assemblages: the case of Angiosperms. <i>Ecology Letters</i> , <b>2020</b> , 23, 254-264	10	2
72	The interaction of phylogeny and community structure: Linking the community composition and trait evolution of clades. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 1499-1511	6.1	8
71	Assessing among-lineage variability in phylogenetic imputation of functional trait datasets. <i>Ecography</i> , <b>2018</b> , 41, 1740-1749	6.5	10
70	Beyond neutrality: disentangling the effects of species sorting and spurious correlations in community analysis. <i>Ecology</i> , <b>2018</b> , 99, 1737-1747	4.6	36
69	Simple parametric tests for trait-environment association. <i>Journal of Vegetation Science</i> , <b>2018</b> , 29, 801-811	11	15
68	Phenotype-dependent selection underlies patterns of sorting across habitats: the case of stream-fishes. <i>Oikos</i> , <b>2017</b> , 126, 1660-1671	4	6
67	Why phylogenies do not always predict ecological differences. <i>Ecological Monographs</i> , <b>2017</b> , 87, 535-551	19	103
66	Epidemiological landscape models reproduce cyclic insect outbreaks. <i>Ecological Complexity</i> , <b>2017</b> , 31, 78-87	2.6	7
65	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> , <b>2017</b> , 86, 316-326	4.7	13
64	Linking trait variation to the environment: critical issues with community-weighted mean correlation resolved by the fourth-corner approach. <i>Ecography</i> , <b>2017</b> , 40, 806-816	6.5	68
63	A critical issue in model-based inference for studying trait-based community assembly and a solution. <i>PeerJ</i> , <b>2017</b> , 5, e2885	3.1	30
62	Climate, history and life-history strategies interact in explaining differential macroecological patterns in freshwater zooplankton. <i>Global Ecology and Biogeography</i> , <b>2016</b> , 25, 1454-1465	6.1	15
61	Deconstructing the relationships between phylogenetic diversity and ecology: a case study on ecosystem functioning. <i>Ecology</i> , <b>2016</b> , 97, 2212-2222	4.6	24
60	Competitive effects between rainbow trout and Atlantic salmon in natural and artificial streams. <i>Ecology of Freshwater Fish</i> , <b>2016</b> , 25, 248-260	2.1	11

59	Improving phylogenetic regression under complex evolutionary models. <i>Ecology</i> , <b>2016</b> , 97, 286-93	4.6	11
58	Will technology trample peer review in ecology? Ongoing issues and potential solutions. <i>Oikos</i> , <b>2016</b> , 125, 3-9	4	9
57	Phylogenetic gradient analysis: environmental drivers of phylogenetic variation across ecological communities. <i>Plant Ecology</i> , <b>2015</b> , 216, 709-724	1.7	10
56	Data curation: Act to staunch loss of research data. <i>Nature</i> , <b>2015</b> , 520, 436	50.4	11
55	Determinism of bacterial metacommunity dynamics in the southern East China Sea varies depending on hydrography. <i>Ecography</i> , <b>2015</b> , 38, 198-212	6.5	34
54	Convergent polymorphism between stream and lake habitats: the case of brook char. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2015</b> , 72, 1406-1414	2.4	13
53	Habitat-based polymorphism is common in stream fishes. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 219-27	4.7	33
52	Spatial and species compositional networks for inferring connectivity patterns in ecological communities. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 718-727	6.1	11
51	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> , <b>2015</b> , 21, 1167-1180	5	4
50	The interaction between the spatial distribution of resource patches and population density: consequences for intraspecific growth and morphology. <i>Journal of Animal Ecology</i> , <b>2015</b> , 84, 934-42	4.7	12
49	On the evolution of dispersal via heterogeneity in spatial connectivity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20142879	4.4	20
48	Much beyond Mantel: bringing Procrustes association metric to the plant and soil ecologist's toolbox. <i>PLoS ONE</i> , <b>2014</b> , 9, e101238	3.7	44
47	MEMGENE: Spatial pattern detection in genetic distance data. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 1116-1120	7.7	61
46	Early growth trajectories affect sexual responsiveness. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20132899	4.4	4
45	Ecology in the age of DNA barcoding: the resource, the promise and the challenges ahead. <i>Molecular Ecology Resources</i> , <b>2014</b> , 14, 221-32	8.4	80
44	Combining the fourth-corner and the RLQ methods for assessing trait responses to environmental variation. <i>Ecology</i> , <b>2014</b> , 95, 14-21	4.6	280
43	Phylogenetic eigenvector maps: a framework to model and predict species traits. <i>Methods in Ecology and Evolution</i> , <b>2013</b> , 4, 1120-1131	7.7	67
42	A community of metacommunities: exploring patterns in species distributions across large geographical areas. <i>Ecology</i> , <b>2013</b> , 94, 627-39	4.6	81

41	Spatiotemporal dynamics in a seasonal metacommunity structure is predictable: the case of floodplain-fish communities. <i>Ecography</i> , <b>2013</b> , no-no	6.5	38
40	Effects of foraging and sexual selection on ecomorphology of a fish with alternative reproductive tactics. <i>Behavioral Ecology</i> , <b>2013</b> , 24, 1339-1347	2.3	6
39	Inferring explicit weighted consensus networks to represent alternative evolutionary histories. <i>BMC Evolutionary Biology</i> , <b>2013</b> , 13, 274	3	2
38	Shifts in climate foster exceptional opportunities for species radiation: the case of South african geraniums. <i>PLoS ONE</i> , <b>2013</b> , 8, e83087	3.7	10
37	Using functional traits to investigate the determinants of crustacean zooplankton community structure. <i>Oikos</i> , <b>2013</b> , 122, 1700-1709	4	45
36	Using directed phylogenetic networks to retrace species dispersal history. <i>Molecular Phylogenetics and Evolution</i> , <b>2012</b> , 64, 190-7	4.1	5
35	Measuring protected-area isolation and correlations of isolation with land-use intensity and protection status. <i>Conservation Biology</i> , <b>2012</b> , 26, 610-8	6	40
34	Assessing the effects of spatial contingency and environmental filtering on metacommunity phylogenetics. <i>Ecology</i> , <b>2012</b> , 93, S14-S30	4.6	84
33	Community ecology in the age of multivariate multiscale spatial analysis. <i>Ecological Monographs</i> , <b>2012</b> , 82, 257-275	9	358
32	A new phylogenetic method for identifying exceptional phenotypic diversification. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 135-46	3.8	78
31	Morphological and swim performance variation among reproductive tactics of bluegill sunfish ( <i>Lepomis macrochirus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2011</b> , 68, 1802-1810	2.4	13
30	Metacommunity phylogenetics: separating the roles of environmental filters and historical biogeography. <i>Ecology Letters</i> , <b>2010</b> , 13, 1290-9	10	141
29	Estimating and controlling for spatial structure in the study of ecological communities. <i>Global Ecology and Biogeography</i> , <b>2010</b> , 19, 174-184	6.1	307
28	Meso-scale distributions of lake zooplankton reveal spatially and temporally varying trophic cascades. <i>Journal of Plankton Research</i> , <b>2010</b> , 32, 1369-1384	2.2	14
27	Influence of agronomic practices, local environment and landscape structure on predatory beetle assemblage. <i>Agriculture, Ecosystems and Environment</i> , <b>2010</b> , 139, 500-507	5.7	37
26	Quantifying and disentangling dispersal in metacommunities: how close have we come? How far is there to go?. <i>Landscape Ecology</i> , <b>2010</b> , 25, 495-507	4.3	102
25	Seasonal trophic dynamics affect zooplankton community variability. <i>Freshwater Biology</i> , <b>2009</b> , 54, 2351-2363	7	7
24	Using null model analysis of species co-occurrences to deconstruct biodiversity patterns and select indicator species. <i>Diversity and Distributions</i> , <b>2009</b> , 15, 958-971	5	40

23	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. <i>Ecology</i> , <b>2008</b> , 89, 3238-3244	4.6	65
22	Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. <i>Ecography</i> , <b>2007</b> , 30, 609-628	6.5	2078
21	Spatial modelling: a comprehensive framework for principal coordinate analysis of neighbour matrices (PCNM). <i>Ecological Modelling</i> , <b>2006</b> , 196, 483-493	3	1245
20	Spatial modeling in ecology: the flexibility of eigenfunction spatial analyses. <i>Ecology</i> , <b>2006</b> , 87, 2603-13	4.6	446
19	The role of environmental and spatial processes in structuring lake communities from bacteria to fish. <i>Ecology</i> , <b>2006</b> , 87, 2985-91	4.6	370
18	Variation partitioning of species data matrices: estimation and comparison of fractions. <i>Ecology</i> , <b>2006</b> , 87, 2614-25	4.6	1491
17	ANALYZING BETA DIVERSITY: PARTITIONING THE SPATIAL VARIATION OF COMMUNITY COMPOSITION DATA. <i>Ecological Monographs</i> , <b>2005</b> , 75, 435-450	9	847
16	How many principal components? stopping rules for determining the number of non-trivial axes revisited. <i>Computational Statistics and Data Analysis</i> , <b>2005</b> , 49, 974-997	1.6	464
15	The influence of swimming demand on phenotypic plasticity and morphological integration: a comparison of two polymorphic charr species. <i>Oecologia</i> , <b>2004</b> , 140, 36-45	2.9	89
14	Patterns in the co-occurrence of fish species in streams: the role of site suitability, morphology and phylogeny versus species interactions. <i>Oecologia</i> , <b>2004</b> , 140, 352-60	2.9	130
13	GIVING MEANINGFUL INTERPRETATION TO ORDINATION AXES: ASSESSING LOADING SIGNIFICANCE IN PRINCIPAL COMPONENT ANALYSIS. <i>Ecology</i> , <b>2003</b> , 84, 2347-2363	4.6	242
12	Type 1 error rates of the parsimony permutation tail probability test. <i>Systematic Biology</i> , <b>2002</b> , 51, 524-78.4		11
11	Predictive Models of Fish Species Distributions: A Note on Proper Validation and Chance Predictions. <i>Transactions of the American Fisheries Society</i> , <b>2002</b> , 131, 329-336	1.7	140
10	An empirical comparison of SPM preprocessing parameters to the analysis of fMRI data. <i>NeuroImage</i> , <b>2002</b> , 17, 19-28	7.9	101
9	The importance of scaling of multivariate analysis in ecological studies. <i>Ecoscience</i> , <b>2001</b> , 8, 522-526	1.1	9
8	Spatial isolation and fish communities in drainage lakes. <i>Oecologia</i> , <b>2001</b> , 127, 572-585	2.9	129
7	How well do multivariate data sets match? The advantages of a Procrustean superimposition approach over the Mantel test. <i>Oecologia</i> , <b>2001</b> , 129, 169-178	2.9	632
6	Environmentally constrained null models: site suitability as occupancy criterion. <i>Oikos</i> , <b>2001</b> , 93, 110-120.4		105

5	Assessing the robustness of randomization tests: examples from behavioural studies. <i>Animal Behaviour</i> , <b>2001</b> , 61, 79-86	2.8	57
4	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> , <b>2001</b> , 58, 157-170	2.4	170
3	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> , <b>2001</b> , 58, 157-170	2.4	674
2	When Are Random Data Not Random, or Is the PTP Test Useful?. <i>Cladistics</i> , <b>2000</b> , 16, 420-424	3.5	4
1	Metacommunities from bacteria to birds: stronger environmental selection in mediterranean than in tropical ponds		1