Pierre Legendre

List of Publications by Citations

350 papers	50,864 citations	85 h-index	223 g-index
389 ext. papers	59,115 ext. citations	3.7 avg, IF	8.2 L-index

#	Paper	IF	Citations
350	Species Assemblages and Indicator Species: The Need for a Flexible Asymmetrical Approach. *Ecological Monographs*, **1997**, 67, 345	9	4311
349	Ecologically meaningful transformations for ordination of species data. *Oecologia*, **2001**, 129, 271-280	2.9	3236
348	Partialling out the Spatial Component of Ecological Variation. *Ecology*, **1992**, 73, 1045-1055	4.6	2957
347	Spatial Autocorrelation: Trouble or New Paradigm?. *Ecology*, **1993**, 74, 1659-1673	4.6	2453
346	A distance-based framework for measuring functional diversity from multiple traits. *Ecology*, **2010**, 91, 299-305	4.6	1960
345	Associations between species and groups of sites: indices and statistical inference. *Ecology*, **2009**, 90, 3566-74	4.6	1622
344	Spatial pattern and ecological analysis. *Plant Ecology*, **1989**, 80, 107-138		1553
343	DISTANCE-BASED REDUNDANCY ANALYSIS: TESTING MULTISPECIES RESPONSES IN MULTIFACTORIAL ECOLOGICAL EXPERIMENTS. *Ecological Monographs*, **1999**, 69, 1-24	9	1521
342	Variation partitioning of species data matrices: estimation and comparison of fractions. *Ecology*, **2006**, 87, 2614-25	4.6	1491
341	Ward's Hierarchical Agglomerative Clustering Method: Which Algorithms Implement Ward's Criterion?. *Journal of Classification*, **2014**, 31, 274-295	1.2	1468
340	All-scale spatial analysis of ecological data by means of principal coordinates of neighbour matrices. *Ecological Modelling*, **2002**, 153, 51-68	3	1352
339	Forward selection of explanatory variables. *Ecology*, **2008**, 89, 2623-32	4.6	1313
338	Numerical Ecology with R **2011**,		1283
337	Spatial modelling: a comprehensive framework for principal coordinate analysis of neighbour matrices (PCNM). *Ecological Modelling*, **2006**, 196, 483-493	3	1245
336	ANALYZING BETA DIVERSITY: PARTITIONING THE SPATIAL VARIATION OF COMMUNITY COMPOSITION DATA. *Ecological Monographs*, **2005**, 75, 435-450	9	847
335	DISSECTING THE SPATIAL STRUCTURE OF ECOLOGICAL DATA AT MULTIPLE SCALES. *Ecology*, **2004**, 85, 1826-1832	4.6	646
334	Improving indicator species analysis by combining groups of sites. *Oikos*, **2010**, 119, 1674-1684	4	636

333	Beta diversity as the variance of community data: dissimilarity coefficients and partitioning. *Ecology Letters*, **2013**, 16, 951-63	10	607
332	Metric and Euclidean properties of dissimilarity coefficients. *Journal of Classification*, **1986**, 3, 5-48	1.2	598
331	The consequences of spatial structure for the design and analysis of ecological field surveys. *Ecography*, **2002**, 25, 601-615	6.5	509
330	A balanced view of scale in spatial statistical analysis. *Ecography*, **2002**, 25, 626-640	6.5	479
329	Comparison of the Mantel test and alternative approaches for detecting complex multivariate relationships in the spatial analysis of genetic data. *Molecular Ecology Resources*, **2010**, 10, 831-44	8.4	465
328	Interpreting the replacement and richness difference components of beta diversity. *Global Ecology and Biogeography*, **2014**, 23, 1324-1334	6.1	462
327	Partitioning beta diversity in a subtropical broad-leaved forest of China. *Ecology*, **2009**, 90, 663-74	4.6	440
326	SPECIES ASSEMBLAGES AND INDICATOR SPECIES:THE NEED FOR A FLEXIBLE ASYMMETRICAL APPROACH. *Ecological Monographs*, **1997**, 67, 345-366	9	418
325	Testing the species traits-environment relationships: the fourth-corner problem revisited. *Ecology*, **2008**, 89, 3400-12	4.6	382
324	Community ecology in the age of multivariate multiscale spatial analysis. *Ecological Monographs*, **2012**, 82, 257-275	9	358
323	A statistical test for host-parasite coevolution. *Systematic Biology*, **2002**, 51, 217-34	8.4	333
322	Testing the significance of canonical axes in redundancy analysis. *Methods in Ecology and Evolution*, **2011**, 2, 269-277	7.7	310
321	Estimating and controlling for spatial structure in the study of ecological communities. *Global Ecology and Biogeography*, **2010**, 19, 174-184	6.1	307
320	Studying beta diversity: ecological variation partitioning by multiple regression and canonical analysis. *Journal of Plant Ecology*, **2008**, 1, 3-8	1.7	295
319	RELATING BEHAVIOR TO HABITAT: SOLUTIONS TO THEFOURTH-CORNER PROBLEM. *Ecology*, **1997** , 78, 547-562	4.6	292
318	An empirical comparison of permutation methods for tests of partial regression coefficients in a linear model. *Journal of Statistical Computation and Simulation*, **1999**, 62, 271-303	0.9	283
317	Untangling Multiple Factors in Spatial Distributions: Lilies, Gophers, and Rocks. *Ecology*, **1996**, 77, 1698-1715	4.6	264
316	MODELING BRAIN EVOLUTION FROM BEHAVIOR: A PERMUTATIONAL REGRESSION APPROACH. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 1487-1499	3.8	255

315	SPECIES DIVERSITY PATTERNS DERIVED FROM SPECIES–AREA MODELS. *Ecology*, **2002**, 83, 1185-1198	4.6	253
314	Species associations: the Kendall coefficient of concordance revisited. *Journal of Agricultural, Biological, and Environmental Statistics*, **2005**, 10, 226-245	1.9	250
313	Environmental control and spatial structure in ecological communities: an example using oribatid mites (Acari, Oribatei). *Environmental and Ecological Statistics*, **1994**, 1, 37-61	2.2	247
312	Numerical Ecology with R. *Use R!*, **2018**,	0.3	239
311	Spatial autocorrelation and sampling design in plant ecology. *Plant Ecology*, **1989**, 83, 209-222		233
310	Compensatory dynamics are rare in natural ecological communities. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 3273-7	11.5	228
309	Conceptual and mathematical relationships among methods for spatial analysis. *Ecography*, **2002**, 25, 558-577	6.5	224
308	Quantifying phylogenetically structured environmental variation. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2647-52	3.8	218
307	Modelling directional spatial processes in ecological data. *Ecological Modelling*, **2008**, 215, 325-336	3	206
306	Putting the landscape into the genomics of trees: approaches for understanding local adaptation and population responses to changing climate. *Tree Genetics and Genomes*, **2013**, 9, 901-911	2.1	204
305	Distribution patterns of tree species in a Malaysian tropical rain forest. *Journal of Vegetation Science*, **1997**, 8, 105-114	3.1	203
304	Comparison of permutation methods for the partial correlation and partial mantel tests. *Journal of Statistical Computation and Simulation*, **2000**, 67, 37-73	0.9	195
303	Should the Mantel test be used in spatial analysis?. *Methods in Ecology and Evolution*, **2015**, 6, 1239-1247	7.7	190
302	On Species-Area Relations. *American Naturalist*, **1996**, 148, 719-737	3.7	190
301	Barriers to forest regeneration of deforested and abandoned land in Panama. *Journal of Applied Ecology*, **2005**, 42, 1165-1174	5.8	182
300	Modeling Brain Evolution from Behavior: A Permutational Regression Approach. *Evolution; International Journal of Organic Evolution*, **1994**, 48, 1487	3.8	180
299	Using species combinations in indicator value analyses. *Methods in Ecology and Evolution*, **2012**, 3, 973-982	7.7	160
298	Common factors drive adaptive genetic variation at different spatial scales in Arabis alpina. *Molecular Ecology*, **2010**, 19, 3824-35	5.7	148

297	Statistical methods for temporal and space-time analysis of community composition data. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20132728	4.4	145
296	Explaining variation in tropical plant community composition: influence of environmental and spatial data quality. *Oecologia*, **2008**, 155, 593-604	2.9	145
295	RESPONSES OF 20 NATIVE TREE SPECIES TO REFORESTATION STRATEGIES FOR ABANDONED FARMLAND IN PANAMA **2002**, 12, 1626-1641		145
294	Utility of computer simulations in landscape genetics. *Molecular Ecology*, **2010**, 19, 3549-64	5.7	144
293	Succession of Species within a Community: Chronological Clustering, with Applications to Marine and Freshwater Zooplankton. *American Naturalist*, **1985**, 125, 257-288	3.7	140
292	Scale dependency of processes structuring metacommunities of cladocerans in temporary pools of High-Andes wetlands. *Ecography*, **2011**, 34, 296-305	6.5	136
291	Is the Mantel correlogram powerful enough to be useful in ecological analysis? A simulation study. *Ecology*, **2012**, 93, 1473-81	4.6	130
290	Aquatic heterotrophic bacteria: Modeling in the presence of spatial autocorrelation. *Limnology and Oceanography*, **1988**, 33, 1055-1067	4.8	127
289	Study of spatial components of forest cover using partial Mantel tests and path analysis. *Journal of Vegetation Science*, **1992**, 3, 69-78	3.1	117
288	The variation of tree beta diversity across a global network of forest plots. *Global Ecology and Biogeography*, **2012**, 21, 1191-1202	6.1	114
287	Assessing the scale-specific importance of niches and other spatial processes on beta diversity: a case study from a temperate forest. *Oecologia*, **2009**, 159, 377-88	2.9	114
286	Development and validation of numerical habitat models for juveniles of Atlantic salmon (Salmo salar). *Canadian Journal of Fisheries and Aquatic Sciences*, **2000**, 57, 2065-2075	2.4	114
285	Broad-scale adaptive genetic variation in alpine plants is driven by temperature and precipitation. *Molecular Ecology*, **2012**, 21, 3729-38	5.7	113
284	Coevolution between Lamellodiscus (Monogenea: Diplectanidae) and Sparidae (Teleostei): the study of a complex host-parasite system. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 2459-71	3.8	110
283	Spatial and environmental components of freshwater zooplankton structure. *Ecoscience*, **1995**, 2, 1-19	1.1	108
282	Biogeographic relationships among deep-sea hydrothermal vent faunas at global scale. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2009**, 56, 1371-1378	2.5	105
281	Physical and chemical factors influencing species distributions on hydrothermal sulfide edifices of the Juan de Fuca Ridge, northeast Pacific. *Marine Ecology - Progress Series*, **1999**, 190, 89-112	2.6	101
280	Spatial Heterogeneity against Heteroscedasticity: An Ecological Paradigm versus a Statistical Concept. *Oikos*, **1993**, 66, 152	4	101

279	Modelling the effect of directional spatial ecological processes at different scales. *Oecologia*, **2011**, 166, 357-68	2.9	95
278	Postglacial Dispersal of Freshwater Fishes in the Québec Peninsula. *Canadian Journal of Fisheries and Aquatic Sciences*, **1984**, 41, 1781-1802	2.4	94
277	Organochlorine pollution in tropical rivers (Guadeloupe): role of ecological factors in food web bioaccumulation. *Environmental Pollution*, **2011**, 159, 1692-701	9.3	93
276	Behavioural response of sicklefin lemon sharks Negaprion acutidens to underwater feeding for ecotourism purposes. *Marine Ecology - Progress Series*, **2010**, 414, 257-266	2.6	93
275	The Mantel Test versus Pearson's Correlation Analysis: Assessment of the Differences for Biological and Environmental Studies. *Journal of Agricultural, Biological, and Environmental Statistics*, **2000**, 5, 131	1.9	89
274	From Classical to Canonical Ordination. *Developments in Paleoenvironmental Research*, **2012**, 201-248		88
273	Potential changes in forest composition could reduce impacts of climate change on boreal wildfires **2013**, 23, 21-35		87
272	EFFECTS OF SPATIAL STRUCTURES ON THE RESULTS OF FIELD EXPERIMENTS. *Ecology*, **2004**, 85, 3202-3214	4.6	87
271	Approximate analysis of variance of spatially autocorrelated regional data. *Journal of Classification*, **1990**, 7, 53-75	1.2	87
270	Spider, bee, and bird communities in cities are shaped by environmental control and high stochasticity. *Ecology*, **2010**, 91, 3343-53	4.6	86
269	Spatial structure of bivalves in a sandflat:. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 99-128	2.1	86
268	FACTORS AFFECTING COMMUNITY COMPOSITION OF FOREST REGENERATION IN DEFORESTED, ABANDONED LAND IN PANAMA. *Ecology*, **2004**, 85, 3313-3326	4.6	86
267	Approach for Describing Statistical Properties of Flood Hydrograph. *Journal of Hydrologic Engineering - ASCE*, **2002**, 7, 147-153	1.8	85
266	Evolution and determinants of host specificity in the genus Lamellodiscus (Monogenea). *Biological Journal of the Linnean Society*, **2002**, 77, 431-443	1.9	84
265	NONLINEAR REDUNDANCY ANALYSIS AND CANONICAL CORRESPONDENCE ANALYSIS BASED ON POLYNOMIAL REGRESSION. *Ecology*, **2002**, 83, 1146-1161	4.6	83
264	Nonlinear foraging response of a large marine predator to benthic prey: eagle ray pits and bivalves in a New Zealand sandflat. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 191-210	2.1	82
263	ASSESSING CONGRUENCEAMONG DISTANCE MATRICES: SINGLE-MALT SCOTCH WHISKIES REVISITED. *Australian and New Zealand Journal of Statistics*, **2004**, 46, 615-629	0.7	80
262	Scaling-up from experiments to complex ecological systems: Where to next?. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 243-254	2.1	79

261	THE ECOLOGICAL IMPLICATIONS OF GROWTH FORMS IN EPIBENTHIC DIATOMS 1. *Journal of Phycology*, **1987**, 23, 434-441	3	79
260	Spatial pattern of diversity in a tropical rain forest in Malaysia. *Journal of Biogeography*, **1996**, 23, 57-74	4.1	78
259	Reconstruction of biogeographic and evolutionary networks using reticulograms. *Systematic Biology*, **2002**, 51, 199-216	8.4	76
258	Matching the outcome of small-scale density manipulation experiments with larger scale patterns. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 153-169	2.1	75
257	Phylogenetic, functional, and structural components of variation in bone growth rate of amniotes. *Evolution & Development*, **2008**, 10, 217-27	2.6	75
256	Mapping, Estimating Biomass, and Optimizing Sampling Programs for Spatially Autocorrelated Data: Case Study of the Northern Shrimp (Pandalus borealis). *Canadian Journal of Fisheries and Aquatic Sciences*, **1992**, 49, 32-45	2.4	74
255	Community surveys through space and time: testing the space-time interaction in the absence of replication. *Ecology*, **2010**, 91, 262-72	4.6	69
254	Optimal Variable Weighting for Ultrametric and Additive Trees and K-means Partitioning: Methods and Software. *Journal of Classification*, **2001**, 18, 245-271	1.2	69
253	Dietary Variation in a Freshwater Fish Species: Relative Contributions of Biotic Interactions, Abiotic Factors, and Spatial Structure. *Canadian Journal of Fisheries and Aquatic Sciences*, **1994**, 51, 2856-2865	2.4	69
252	Phylogenetic eigenvector maps: a framework to model and predict species traits. *Methods in Ecology and Evolution*, **2013**, 4, 1120-1131	7.7	67
251	The performance of the Congruence Among Distance Matrices (CADM) test in phylogenetic analysis. *BMC Evolutionary Biology*, **2011**, 11, 64	3	67
250	Variation partitioning involving orthogonal spatial eigenfunction submodels. *Ecology*, **2012**, 93, 1234-40	4.6	66
249	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. *Ecology*, **2008**, 89, 3238-3244	4.6	65
248	Identifying relationships between adult and juvenile bivalves at different spatial scales. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 77-98	2.1	63
247	MAPPING OF MARINE SOFT-SEDIMENT COMMUNITIES: INTEGRATED SAMPLING FOR ECOLOGICAL INTERPRETATION **2004**, 14, 1203-1216		63
246	Quantitative Methods and Biogeographic Analysis **1990**, 9-34		63
245	Body size evolution of oxyurid (Nematoda) parasites: the role of hosts. *Oecologia*, **1996**, 107, 274-282	2.9	62
244	Multiscale sources of variation in ecological variables: modeling spatial dispersion, elaborating sampling designs **1998**, 13, 15-25		60

243	Business partner or simple catch? The economic value of the sicklefin lemon shark in French Polynesia. *Marine and Freshwater Research*, **2011**, 62, 764	2.2	57
242	From a phylogenetic tree to a reticulated network. *Journal of Computational Biology*, **2004**, 11, 195-212	1.7	56
241	Multiscale spatial distribution of a littoral fish community in relation to environmental variables. *Limnology and Oceanography*, **2005**, 50, 465-479	4.8	56
240	A temporal beta-diversity index to identify sites that have changed in exceptional ways in space-time surveys. *Ecology and Evolution*, **2019**, 9, 3500-3514	2.8	55
239	Role of habitat and landscape in structuring small mammal assemblages in hedgerow networks of contrasted farming landscapes in Brittany, France. *Landscape Ecology*, **2007**, 22, 1241-1253	4.3	53
238	Comparison of two plant functional approaches to evaluate natural restoration along an old-field deciduous forest chronosequence. *Journal of Vegetation Science*, **2009**, 20, 185-198	3.1	52
237	Partialling out the spatial component of ecological variation: questions and propositions in the linear modelling framework. *Environmental and Ecological Statistics*, **1998**, 5, 1-27	2.2	52
236	Rapid Communication / Communication RapideAcoustic seabed classification: improved statistical method. *Canadian Journal of Fisheries and Aquatic Sciences*, **2002**, 59, 1085-1089	2.4	52
235	Evaluation of simple statistical criteria to qualify a simulation. *Ecological Modelling*, **1996**, 88, 9-18	3	51
234	Flow alterations by dams shaped fish assemblage dynamics in the complex Mekong-3S river system. *Ecological Indicators*, **2018**, 88, 103-114	5.8	50
233	Analyzing multivariate flow cytometric data in aquatic sciences. *Cytometry*, **1992**, 13, 291-8		50
232	Genetics and Language in European Populations. *American Naturalist*, **1990**, 135, 157-175	3.7	50
231	Large-scale geographic patterns of diversity and community structure of pelagic crustacean zooplankton in Canadian lakes. *Global Ecology and Biogeography*, **2013**, 22, 784-795	6.1	49
230	The role of environmental and spatial processes in structuring native and non-native fish communities across thousands of lakes. *Ecography*, **2011**, 34, 762-771	6.5	49
229	Variance and spatial scales in a tropical rain forest: changing the size of sampling units. *Plant Ecology*, **1997**, 130, 89-98	1.7	46
228	Biodiversity patterns, environmental drivers and indicator species on a high-temperature hydrothermal edifice, Mid-Atlantic Ridge. *Deep-Sea Research Part II: Topical Studies in Oceanography* , **2015**, 121, 177-192	2.3	45
227	Diversity pattern and spatial scale: a study of a tropical rain forest of Malaysia. *Environmental and Ecological Statistics*, **1994**, 1, 265-286	2.2	44
226	A functional evenness index for microbial ecology. *Microbial Ecology*, **1981**, 7, 283-96	4.4	44

225	Understanding the Spatio-Temporal Response of Coral Reef Fish Communities to Natural Disturbances: Insights from Beta-Diversity Decomposition. *PLoS ONE*, **2015**, 10, e0138696	3.7	43
224	Using phylogenetic information to predict species tolerances to toxic chemicals **2011**, 21, 3178-3190		43
223	Genetic differences among language families in Europe. *American Journal of Physical Anthropology*, **1989**, 79, 489-502	2.5	43
222	Hosts, parasites and their interactions respond to different climatic variables. *Global Ecology and Biogeography*, **2017**, 26, 942-951	6.1	42
221	Fire-induced taxonomic and functional changes in saproxylic beetle communities in fire sensitive regions. *Ecography*, **2010**, 33, 760-771	6.5	42
220	Influence of edaphic factors on the spatial structure of inland halophytic communities: a case study in China. *Journal of Vegetation Science*, **1998**, 9, 797-804	3.1	42
219	Predicting microcystin concentrations in lakes and reservoirs at a continental scale: A new framework for modelling an important health risk factor. *Global Ecology and Biogeography*, **2017**, 26, 625-637	6.1	41
218	Global depression in gene expression as a response to rapid thermal changes in vent mussels. *Proceedings of the Royal Society B: Biological Sciences*, **2009**, 276, 3071-9	4.4	41
217	Medium scale approach (MSA) for improved assessment of coral reef fish habitat. *Journal of Experimental Marine Biology and Ecology*, **2006**, 333, 219-230	2.1	41
216	Large-scale spatial heterogeneity of macrozooplankton in Lake of Geneva. *Canadian Journal of Fisheries and Aquatic Sciences*, **1999**, 56, 1437-1451	2.4	41
215	An Integrated Study of the Factors Influencing the Choice of the Settling Site of Balanus crenatus Cyprid Larvae. *Canadian Journal of Fisheries and Aquatic Sciences*, **1983**, 40, 1186-1194	2.4	41
214	Integrating heterogeneity across spatial scales: interactions between Atrina zelandica and benthic macrofauna. *Marine Ecology - Progress Series*, **2002**, 239, 115-128	2.6	41
213	Microbialite genetic diversity and composition relate to environmental variables. *FEMS Microbiology Ecology*, **2012**, 82, 724-35	4.3	40
212	Scaling up beta diversity on Caribbean coral reefs. *Journal of Experimental Marine Biology and Ecology*, **2008**, 366, 28-36	2.1	39
211	Rhythms and community dynamics of a hydrothermal tubeworm assemblage at main endeavour field - a multidisciplinary deep-sea observatory approach. *PLoS ONE*, **2014**, 9, e96924	3.7	39
210	Constrained Clustering **1987**, 289-307		39
209	The sandflat habitat: scaling from experiments to conclusions. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 1-9	2.1	38
208	Modeling of the evolution of bacterial densities in an eutrophic ecosystem (sewage lagoons). *Microbial Ecology*, **1986**, 12, 355-79	4.4	38

207	Relationships between species feeding traits and environmental conditions in fish communities: a three-matrix approach **2011**, 21, 363-77		37
206	Partitioning plant spectral diversity into alpha and beta components. *Ecology Letters*, **2020**, 23, 370-380	10	37
205	A framework for estimating niche metrics using the resemblance between qualitative resources. *Oikos*, **2011**, 120, 1341-1350	4	35
204	Box-Cox-chord transformations for community composition data prior to beta diversity analysis. *Ecography*, **2018**, 41, 1820-1824	6.5	34
203	Dissimilarity measurements and the size structure of ecological communities. *Methods in Ecology and Evolution*, **2013**, 4, 1167-1177	7.7	34
202	Beals smoothing revisited. *Oecologia*, **2008**, 156, 657-69	2.9	34
201	Phylogenetic Network Construction Approaches. *Applied Mycology and Biotechnology*, **2006**, 6, 61-97		34
200	The multivariate (co)variogram as a spatial weighting function in classification methods. *Mathematical Geosciences*, **1992**, 24, 463-478		34
199	The Willow Microbiome Is Influenced by Soil Petroleum-Hydrocarbon Concentration with Plant Compartment-Specific Effects. *Frontiers in Microbiology*, **2016**, 7, 1363	5.7	34
198	Disturbances amplify tree community responses to climate change in the temperate–boreal ecotone. *Global Ecology and Biogeography*, **2019**, 28, 1668-1681	6.1	33
197	A Classification of Pure Malt Scotch Whiskies. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **1994**, 43, 237	1.5	33
196	Essai d'application de l'analyse phénétique à la Classification du Phylum des Ciliophora. *Journal of Protozoology*, **1984**, 31, 496-507		33
195	Disentangling invasion processes in a dynamic shipping-boating network. *Molecular Ecology*, **2012**, 21, 4227-41	5.7	32
194	Patterns of sediment reworking and transport over small spatial scales on an intertidal sandflat, Manukau Harbour, New Zealand. *Journal of Experimental Marine Biology and Ecology*, **1997**, 216, 33-50	2.1	32
193	Spatial patterns of Yucatan reef fish communities: Testing models using a multi-scale survey design. *Journal of Experimental Marine Biology and Ecology*, **2005**, 324, 157-169	2.1	32
192	Denitrification and methane production in sediment of Hamilton Harbour (Canada). *Microbial Ecology*, **1994**, 27, 123-41	4.4	32
191	Design for Simultaneous Sampling of Ecological Variables: From Concepts to Numerical Solutions. *Oikos*, **1989**, 55, 30	4	32
190	Diversity and composition of ectomycorrhizal community on seedling roots: the role of host preference and soil origin. *Mycorrhiza*, **2011**, 21, 669-680	3.9	31

189	The use of polynomial regression analysis with indicator variables for interpretation of mercury in fish data. *Biogeochemistry*, **1998**, 40, 189-201	3.8	31
188	Concomitant impacts of climate change, fragmentation and non-native species have led to reorganization of fish communities since the 1980s. *Global Ecology and Biogeography*, **2018**, 27, 213-222	6.1	31
187	Biogeographic patterns of coastal fish assemblages in the West Indies. *Journal of Experimental Marine Biology and Ecology*, **2005**, 315, 31-47	2.1	30
186	Trajectory analysis in community ecology. *Ecological Monographs*, **2019**, 89, e01350	9	30
185	Genetic structure of the white-footed mouse in the context of the emergence of Lyme disease in southern Québec. *Ecology and Evolution*, **2013**, 3, 2075-88	2.8	29
184	Canonical Ordination **2011**, 153-225		29
183	Resource partitioning in a grazer guild feeding on a multilayer diatom mat. *Journal of the North American Benthological Society*, **2006**, 25, 800-810		29
182	Comparison tests for dendrograms: A comparative evaluation. *Journal of Classification*, **1995**, 12, 265-282	2.2	29
181	La répartition horizontale et verticale des larves de homard (Homarus americanus) autour des îles de la Madeleine, golfe du Saint-Laurent. *Canadian Journal of Fisheries and Aquatic Sciences*, **1986**, 43, 2164-2176	2.4	29
180	Macrofaunal density and biomass in the Campeche Canyon, Southwestern Gulf of Mexico. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2008**, 55, 2679-2685	2.3	28
179	Spatial relationships between soil moisture patterns and topographic variables at multiple scales in a humid temperate forested catchment. *Water Resources Research*, **2010**, 46,	5.4	27
178	Consensus RDA across dissimilarity coefficients for canonical ordination of community composition data. *Ecological Monographs*, **2014**, 84, 491-511	9	26
177	Microheterogeneity and coevolution: an examination of rDNA sequence characteristics in Neoparamoeba pemaquidensis and its prokinetoplastid endosymbiont. *Journal of Eukaryotic Microbiology*, **2007**, 54, 418-26	3.6	26
176	Geographic Structure and Potential Ecological Factors in Belgium. *Journal of Biogeography*, **1991**, 18, 257	4.1	26
175	CHARACTERS AND CLUSTERING IN TAXONOMY: A SYNTHESIS OF TWO TAXIMETRIC PROCEDURES. *Taxon*, **1972**, 21, 567-606	0.8	26
174	Inferring processes from spatial patterns: the role of directional and non-directional forces in shaping fish larvae distribution in a freshwater lake system. *PLoS ONE*, **2012**, 7, e50239	3.7	25
173	Ordination in reduced space. *Developments in Environmental Modelling*, **2012**, 425-520	0	25
172	Diatom diversity patterns over the past c. 150 years across the conterminous United States of America: Identifying mechanisms behind beta diversity. *Global Ecology and Biogeography*, **2017**, 26, 1303-1315	6.1	24

171	Spatial Analysis of Ecological Data **2011**, 227-292		24
170	Relating Behavior to Habitat: Solutions to the Fourth-corner Problem. *Ecology*, **1997**, 78, 547	4.6	24
169	Spatio-temporal variability in fish recruitment to a coral reef (Moorea, French Polynesia). *Coral Reefs*, **1993**, 12, 105-113	4.2	24
168	The Contingency Periodogram: A Method of Identifying Rhythms in Series of Nonmetric Ecological Data. *Journal of Ecology*, **1981**, 69, 965	6	24
167	Dynamics of pollution-indicator and heterotrophic bacteria in sewage treatment lagoons. *Applied and Environmental Microbiology*, **1984**, 48, 586-93	4.8	24
166	Living in a hot redox soup: antioxidant defences of the hydrothermal worm Alvinella pompejana. *Aquatic Biology*, **2013**, 18, 217-228	2	24
165	Shifts between biotic and physical driving forces of species organization under natural disturbance regimes. *Canadian Journal of Fisheries and Aquatic Sciences*, **2009**, 66, 1282-1293	2.4	23
164	Exploring Periphyton Unpredictability. *Journal of the North American Benthological Society*, **1993**, 12, 418-430		23
163	High-resolution dynamics of a deep-sea hydrothermal mussel assemblage monitored by the EMSO-Açores MoMAR observatory. *Deep-Sea Research Part I: Oceanographic Research Papers*, **2014**, 90, 62-75	2.5	22
162	Complex ecological data sets. *Developments in Environmental Modelling*, **2012**, 1-57	0	22
161	Using the landscape morphometric context to resolve spatial patterns of submerged macrophyte communities in a fluvial lake. *Landscape Ecology*, **2008**, 23, 91-105	4.3	22
160	Power law relationships among hierarchical taxonomic categories in algae reveal a new paradox of the plankton. *Global Ecology and Biogeography*, **2006**, 15, 528-535	6.1	22
159	DISTANCE-BASED REDUNDANCY ANALYSIS: TESTING MULTISPECIES RESPONSES IN MULTIFACTORIAL ECOLOGICAL EXPERIMENTS **1999**, 69, 1		22
158	Canonical analysis. *Developments in Environmental Modelling*, **2012**, 24, 625-710	0	21
157	A Statistical Framework to Test the Consensus of Two Nested Classifications. *Systematic Zoology*, **1990**, 39, 1		21
156	Spatial structure and ecological variation of meroplankton on the French-Belgian coast of the North Sea. *Marine Ecology - Progress Series*, **1995**, 128, 43-50	2.6	21
155	Using phylogenetic information and chemical properties to predict species tolerances to pesticides. *Proceedings of the Royal Society B: Biological Sciences*, **2014**, 281, 20133239	4.4	20
154	Multiscale codependence analysis: an integrated approach to analyze relationships across scales. *Ecology*, **2010**, 91, 2952-64	4.6	20

153	Numerical Ecology **2019**, 487-493		20
152	Spatial and temporal analysis of beta diversity in the Barro Colorado Island forest dynamics plot, Panama. *Forest Ecosystems*, **2019**, 6,	3.8	19
151	N2 fixation rates and associated diversity (nifH) of microbialite and mat-forming consortia from different aquatic environments in Mexico. *Aquatic Microbial Ecology*, **2012**, 67, 15-24	1.1	19
150	Epibenthic megacrustaceans from the continental margin, slope and abyssal plain of the Southwestern Gulf of Mexico: Factors responsible for variability in species composition and diversity. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2008**, 55, 2667-2678	2.3	19
149	Are algal communities driven toward maximum biomass?. *Proceedings of the Royal Society B: Biological Sciences*, **2006**, 273, 2667-74	4.4	19
148	The bearing of Phoxinus (Cyprinidae) hybridity on the classification of its North American species. *Canadian Journal of Zoology*, **1970**, 48, 1167-77	1.5	19
147	Cascade multivariate regression tree: a novel approach for modelling nested explanatory sets. *Methods in Ecology and Evolution*, **2012**, 3, 234-244	7.7	18
146	Faunal changes and geographic crypticism indicate the occurrence of a biogeographic transition zone along the southern East Pacific Rise. *Journal of Biogeography*, **2011**, 38, 575-594	4.1	18
145	Aggregation of Sampling Units: An Analytical Solution to Predict Variance. *Geographical Analysis*, **2010**, 29, 258-266	2.9	18
144	Shifting dominance among Scarid species on reefs representing a gradient of fishing pressure. *Aquatic Living Resources*, **2008**, 21, 339-348	1.5	18
143	Moderate disturbances accelerate forest transition dynamics under climate change in the temperate-boreal ecotone of eastern North America. *Global Change Biology*, **2020**, 26, 4418-4435	11.4	17
142	Summer assessment of zooplankton biodiversity and environmental control in urban waterbodies on the Island of Montrål. *Ecosphere*, **2018**, 9, e02277	3.1	17
141	Clustering and Partitioning. *Developments in Paleoenvironmental Research*, **2012**, 167-200		17
140	Spatial distribution and habitats of useful plants: an initial assessment for conservation on an indigenous territory, Panama. *Biodiversity and Conservation*, **2002**, 11, 637-667	3.4	17
139	Comment on "Acoustic seabed classification: improved statistical method". *Canadian Journal of Fisheries and Aquatic Sciences*, **2003**, 60, 1299-1300	2.4	17
138	Reticulate Evolution:From Bacteria to Philosopher. *Journal of Classification*, **2000**, 17, 153-157	1.2	17
137	The generation of random ultrametric matrices representing dendrograms. *Journal of Classification* , **1991**, 8, 177-200	1.2	17
136	Multivariate Approach to Study Species Assemblages at Large Spatiotemporal Scales: The Community Structure of the Epibenthic Fauna of the Estuary and Gulf of St. Lawrence. *Canadian Journal of Fisheries and Aquatic Sciences*, **1990**, 47, 1364-1377	2.4	17

135	Multicharacter Chronological Clustering in a Sequence of Fossil Sticklebacks. *Systematic Zoology*, **1987**, 36, 52		17
134	Horizontal gene transfer and recombination analysis of SARS-CoV-2 genes helps discover its close relatives and shed light on its origin. *Bmc Ecology and Evolution*, **2021**, 21, 5	21	17
133	Thirty-year recovery of mollusc communities after nuclear experimentations on Fangataufa atoll (Tuamotu, French Polynesia). *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282,	4.4	16
132	Independent contrasts and regression through the origin. *Journal of Theoretical Biology*, **2009**, 259, 727-43	1.5	16
131	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. *Ecology*, **2008**, 89, 3227-3232	4.6	16
130	Modelling phylogenetic relationships using reticulated networks. *Zoologica Scripta*, **2004**, 33, 89-96	2.5	16
129	Lack of robustness in two tests of normality against autocorrelation in sample data. *Journal of Statistical Computation and Simulation*, **1992**, 42, 79-91	0.9	16
128	Astronomical and atmospheric impacts on deep-sea hydrothermal vent invertebrates. *Proceedings of the Royal Society B: Biological Sciences*, **2017**, 284,	4.4	15
127	Trait-based approach to monitoring marine benthic data along 500 km of coastline. *Diversity and Distributions*, **2019**, 25, 1879-1896	5	15
126	Uniqueness of sampling site contributions to the total variance of macroinvertebrate communities in the Lower Mekong Basin. *Ecological Indicators*, **2018**, 84, 425-432	5.8	15
125	Unconstrained Ordination **2011**, 115-151		15
124	Species Diversity Patterns Derived from Species-Area Models. *Ecology*, **2002**, 83, 1185	4.6	15
123	Zooplancton limnétique de 46 lacs et 17 rivières du territoire de la baie de James. *Canadian Journal of Zoology*, **1979**, 57, 1693-1709	1.5	15
122	Reefscape proxies for the conservation of Caribbean coral reef biodiversity. *Ciencias Marinas*, **2011**, 37, 87-96	1.7	15
121	The Effects of Regional Hydrologic Alteration on Fish Community Structure in Regulated Rivers. *River Research and Applications*, **2017**, 33, 249-257	2.3	14
120	Constancy despite variability: Local and regional macrofaunal diversity in intertidal seagrass beds. *Journal of Sea Research*, **2017**, 130, 107-122	1.9	14
119	A Comparison of Electrofishing and Visual Surveying Methods for Estimating Fish Community Structure in Temperate Rivers. *River Research and Applications*, **2015**, 31, 1040-1051	2.3	14
118	Ecological resemblance. *Developments in Environmental Modelling*, **2012**, 24, 265-335	0	14

117	Assessing Congruence Among Ultrametric Distance Matrices. *Journal of Classification*, **2009**, 26, 103-117	1.2	14
116	The relations between standard fluvial habitat variables and turbulent flow at multiple scales in morphological units of a gravel-bed river. *River Research and Applications*, **2010**, 26, 439-455	2.3	14
115	Is the sampling strategy interfering with the study of spatial variability of zooplankton communities?. *Canadian Journal of Fisheries and Aquatic Sciences*, **2000**, 57, 1940-1956	2.4	14
114	Numerical Ecology: Developments and Recent Trends **1983**, 505-523		14
113	Temperature drives local contributions to beta diversity in mountain streams: Stochastic and deterministic processes. *Global Ecology and Biogeography*, **2020**, 29, 420-432	6.1	14
112	Oxidative stress modulates the expression of genes involved in cell survival in F508 cystic fibrosis airway epithelial cells. *Physiological Genomics*, **2014**, 46, 634-46	3.6	13
111	Effects of spatial scale and choice of statistical model (linear versus tree-based) on determining species habitat relationships. *Canadian Journal of Fisheries and Aquatic Sciences*, **2012**, 69, 2095-2111	2.4	13
110	STUDYING BETA DIVERSITY: ECOLOGICAL VARIATION PARTITIONING BY MULTIPLE REGRESSION AND CANONICAL ANALYSIS. *Chinese Journal of Plant Ecology*, **2007**, 31, 976-981	1.2	13
109	Biological and environmental rhythms in (dark) deep-sea hydrothermal ecosystems. *Biogeosciences*, **2017**, 14, 2955-2977	4.6	12
108	Reply to the comment by Preston and Kirlin on "Acoustic seabed classification: improved statistical method". *Canadian Journal of Fisheries and Aquatic Sciences*, **2003**, 60, 1301-1305	2.4	12
107	Microgeographic Morphological Differentiation in Muskrats. *Journal of Mammalogy*, **1996**, 77, 684	1.8	12
106	Modelling habitat associations of 14 species of holothurians from an unfished coral atoll: implications for fisheries management. *Aquatic Biology*, **2011**, 14, 57-66	2	12
105	Does diversity beget diversity in microbiomes?. *ELife*, **2020**, 9,	8.9	12
104	Spatial organisation of fish communities in the St. Lawrence River: a test for longitudinal gradients and spatial heterogeneities in a large river system. *Hydrobiologia*, **2018**, 809, 155-173	2.4	12
103	Are the landscape-level drivers of water column and surface sediment diatoms different?. *Freshwater Biology*, **2015**, 60, 267-281	3.1	11
102	Indicator Species: Computation **2013**, 264-268		11
101	Reconstructing phosphorus levels using models based on the modern diatom assemblages of 55 lakes in southern Quebec. *Canadian Journal of Fisheries and Aquatic Sciences*, **2014**, 71, 887-914	2.4	11
100	Meiofaunal community structure of the deep-sea Gulf of Mexico: Variability due to the sorting methods. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2008**, 55, 2627-2633	2.3	11

99	An attempt at reconstructing a phylogenetic tree of the Ciliophora using parsimony methods. *European Journal of Protistology*, **1994**, 30, 1-17	3.6	11
98	Dynamics of fecal coliform and culturable heterotroph densities in an eutrophic ecosystem: Stability of models and evolution of these bacterial groups. *Microbial Ecology*, **1989**, 17, 227-35	4.4	11
97	Partitioning ordered variables into discrete states for discriminant analysis of ecological classifications. *Canadian Journal of Zoology*, **1983**, 61, 1002-1010	1.5	11
96	Toward management guidelines for soybean aphid, Aphis glycines, in Quebec. II. Spatial distribution of aphid populations in commercial soybean fields. *Canadian Entomologist*, **2008**, 140, 219-234	0.7	10
95	Sonar backscatter differentiation of dominant macrohabitat types in a hydrothermal vent field **2006**, 16, 1421-35		10
94	Matching behavioral evolution to brain morphology. *Brain, Behavior and Evolution*, **1995**, 45, 110-21	1.5	10
93	Practical aspects of modelling ecological phenomena using the cusp catastrophe. *Ecological Modelling*, **1988**, 42, 265-287	3	10
92	Spatial structure and ecological variation of meroplankton on the Belgian-Dutch coast of the North Sea. *Marine Ecology - Progress Series*, **1995**, 128, 51-59	2.6	10
91	A new cost-effective approach to survey ecological communities. *Oikos*, **2016**, 125, 975-987	4	10
90	Negative relationships between species richness and temporal variability are common but weak in natural systems. *Ecology*, **2018**, 99, 2592-2604	4.6	10
89	What do beta diversity components reveal from presence-absence community data? Let us connect every indicator to an indicandum!. *Ecological Indicators*, **2020**, 117, 106540	5.8	9
88	QUANTIFYING PHYLOGENETICALLY STRUCTURED ENVIRONMENTAL VARIATION. *Evolution; International Journal of Organic Evolution*, **2003**, 57, 2647	3.8	9
87	Strategy of eel (Anguilla anguilla L.) exploitation in the Thau lagoon. *Estuarine, Coastal and Shelf Science*, **1992**, 35, 55-73	2.9	9
86	Reconstructing Biogeographic History Using Phylogenetic-Tree Analysis of Community Structure. *Systematic Zoology*, **1986**, 35, 68		9
85	Unconstrained Ordination. *Use R!*, **2018**, 151-201	0.3	9
84	Using fish guilds to assess community responses to temperature and flow regimes in unregulated and regulated Canadian rivers. *Freshwater Biology*, **2016**, 61, 1759-1772	3.1	9
83	Biodiversity and trophic ecology of hydrothermal vent fauna associated with tubeworm assemblages on the Juan de Fuca Ridge. *Biogeosciences*, **2018**, 15, 2629-2647	4.6	9
82	The interaction of phylogeny and community structure: Linking the community composition and trait evolution´of clades. *Global Ecology and Biogeography*, **2019**, 28, 1499-1511	6.1	8

81	Interpretation of ecological structures. *Developments in Environmental Modelling*, **2012**, 24, 521-624	0	8
80	NSERC's HydroNet: A National Research Network to Promote Sustainable Hydropower and Healthy Aquatic Ecosystems. *Fisheries*, **2011**, 36, 480-488	1.1	8
79	Evaluation of a variable angle scanning method to estimate relative abundance and distribution of fish using a single-beam echosounder in shallow lakes. *Journal of Fish Biology*, **1997**, 50, 208-221	1.9	8
78	Land cover classification at a regional scale in Iberia: separability in a multi-temporal and multi-spectral data set of satellite images. *International Journal of Remote Sensing*, **2004**, 25, 205-213	3.1	8
77	Facteurs responsables de la distribution des gastropodes dulcicoles dans le fleuve Saint-Laurent. *Hydrobiologia*, **1982**, 89, 61-76	2.4	8
76	Canonical Ordination. *Use R!*, **2018**, 203-297	0.3	8
75	Human and natural controls of the variation in aboveground tree biomass in African dry tropical forests **2017**, 27, 1578-1593		7
74	Damming interacts with the flood pulse to alter zooplankton communities in an Amazonian river. *Freshwater Biology*, **2019**, 64, 1040-1053	3.1	7
73	Using intra-individual variation in shrub architecture to explain population cover. *Oikos*, **2015**, 124, 707-716	1	7
72	Environmental factors structuring benthic primary producers at different spatial scales in the St. Lawrence River (Canada). *Aquatic Sciences*, **2017**, 79, 345-356	2.5	7
71	Spatial analysis. *Developments in Environmental Modelling*, **2012**, 24, 785-858	0	7
70	Estimation of regionalized phenomena by geostatistical methods: lake acidity on the Canadian Shield. *Environmental Geology*, **2000**, 39, 211-220		7
69	Encephalization, adaptation and evolution of chiroptera: A statistical analysis with further evidence for bat monophyly. *Brain, Behavior and Evolution*, **1999**, 54, 119-26	1.5	7
68	Répartition spatiale des Chaetodontidae dans différents secteurs récifaux de l'île de Moorea, Polynésie française. *Ecoscience*, **1995**, 2, 129-140	1.1	7
67	Improving the Additive Tree Representation of a Dissimilarity Matrix Using Reticulations. *Studies in Classification, Data Analysis, and Knowledge Organization*, **2000**, 35-40	0.2	7
66	Spatial autocorrelation and sampling design in plant ecology **1990**, 209-222		7
65	Application of Moran Eigenvector Maps (MEM) to irregular sampling designs. *Spatial Statistics*, **2018**, 26, 56-68	2.2	6
64	Association Measures and Matrices **2011**, 31-51		6

63	Spatial and Temporal Variation in a Caribbean Herbivorous Fish Assemblage. *Journal of Coastal Research*, **2012**, 278, 63-72	0.6	6
62	Weighted bootstrapping: a correction method for assessing the robustness of phylogenetic trees. *BMC Evolutionary Biology*, **2010**, 10, 250	3	6
61	COEVOLUTION BETWEEN LAMELLODISCUS (MONOGENEA: DIPLECTANIDAE) AND SPARIDAE (TELEOSTEI): THE STUDY OF A COMPLEX HOST-PARASITE SYSTEM. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 2459	3.8	6
60	Science on the edge of spatial scales: a reply to the comments of Williams (2001). *Canadian Journal of Fisheries and Aquatic Sciences*, **2001**, 58, 2108-2111	2.4	6
59	Succession des communautŠ de gastŠropodes dans deux milieux diffŠrant par leur degrŠ d'eutrophisation. *Canadian Journal of Zoology*, **1984**, 62, 2317-2327	1.5	6
58	A field-trip microtechnique for studying fish leukocyte chromosomes. *Canadian Journal of Zoology*, **1975**, 53, 1443-6	1.5	6
57	A MATHEMATICAL MODEL FOR THE ENTITIES SPECIES AND GENUS. *Taxon*, **1969**, 18, 245-252	0.8	6
56	Spatial Analysis of Ecological Data. *Use R!*, **2018**, 299-367	0.3	6
55	A spatially-explicit assessment of the fish population response to flow management in a heterogeneous landscape. *Ecosphere*, **2016**, 7, e01252	3.1	6
54	Variation in compositional and structural components of community assemblage and its determinants. *Journal of Vegetation Science*, **2019**, 30, 257-268	3.1	6
53	Bringing multivariate support to multiscale codependence analysis: Assessing the drivers of community structure across spatial scales. *Methods in Ecology and Evolution*, **2018**, 9, 292-304	7.7	6
52	Examining shifts in zooplankton community variability following biological invasion. *Limnology and Oceanography*, **2013**, 58, 399-408	4.8	5
51	Spatial-scale partitioning of in situ turbulent flow data over a pebble cluster in a gravel-bed river. *Water Resources Research*, **2007**, 43,	5.4	5
50	CIRCUMSCRIBING THE CONCEPT OF THE GENUS. *Taxon*, **1971**, 20, 137-139	0.8	5
49	Community structure of Neotropical wetland insects in Northern Venezuela. I. Temporal and environmental factors app: 1. *Fundamental and Applied Limnology*, **2002**, 155, 413-436	1.9	5
48	Community structure of Neotropical wetland insects in Northern Venezuela. II. Habitat type and environmental factors app:1. *Fundamental and Applied Limnology*, **2002**, 155, 437-453	1.9	5
47	Optimization of temporal versus spatial replication in the development of habitat use models to explain among-reach variations of fish density estimates in rivers. *Canadian Journal of Fisheries and Aquatic Sciences*, **2013**, 70, 600-609	2.4	4
46	Multiscale analysis: spatial eigenfunctions. *Developments in Environmental Modelling*, **2012**, 24, 859-906	0	4

45	The utility of covariances: a response to Ranta et al. *Oikos*, **2008**, 117, 1912-1913	4	4
44	LAC CROCHE UNDERSTORY VEGETATION DATA SET (1998?2006). *Ecology*, **2007**, 88, 3209-3209	4.6	4
43	A graph-theory method to establish serological relationships within a bacterial taxon, with example from Porphyromonas gingivalis. *Journal of Microbiological Methods*, **1996**, 26, 225-236	2.8	4
42	Comments on Boyle's Acidity and organic carbon in lake water: variability and estimation of means. *Journal of Paleolimnology*, **1991**, 6, 103-110	2.1	4
41	Real data are messy. *Statistics and Computing*, **1993**, 3, 197-199	1.8	4
40	A novel tool to assess the effect of intraspecific spatial niche variation on species distribution shifts under climate change. *Global Ecology and Biogeography*, **2020**, 29, 590-602	6.1	4
39	Phylogenetics to help predict active metabolism. *Ecosphere*, **2015**, 6, 1-11	3.1	3
38	Water table response to an experimental alley farming trial: dissecting the spatial and temporal structure of the data **2010**, 20, 1704-20		3
37	Biological Applications of Reticulation Analysis. *Journal of Classification*, **2000**, 17, 191-195	1.2	3
36	Statistical Significance of the Matrix Correlation Coefficient for Comparing Independent Phylogenetic Trees. *Systematic Biology*, **1992**, 41, 378	8.4	3
35	Introduction to the Analysis of Periodic Phenomena **1992**, 11-25		3
34	A water quality index for lake beaches. *Water Research*, **1982**, 16, 945-948	12.5	3
33	A POSTERIORI WEIGHTING OF DESCRIPTORS. *Taxon*, **1975**, 24, 603-608	0.8	3
32	Inventaire afien de la faune dans le Moyen Nord qubcois. *Canadian Journal of Zoology*, **1978**, 56, 451-462	1.5	3
31	Multiple-Table Data inRwith themultitablePackage. *Journal of Statistical Software*, **2012**, 51,	7.3	3
30	Effects of provisioning on shark behaviour: Reply to Brunnschweiler & McKenzie (2010). *Marine Ecology - Progress Series*, **2010**, 420, 285-288	2.6	3
29	Modelling habitat associations of the common spider conch in the´Cocos´(Keeling)´Islands. *Marine Ecology - Progress Series*, **2011**, 432, 83-90	2.6	3
28	Multidimensional quantitative data. *Developments in Environmental Modelling*, **2012**, 143-194	0	2

27	Autocorrlation spatiale et dplacement de la criminalit. *Criminologie*, **1992**, 25, 139-154	0.5	2
26	A phytosociological method for interpreting plankton data. *Marine Ecology - Progress Series*, **1993**, 93, 285-306	2.6	2
25	Community Diversity. *Use R!*, **2018**, 369-412	0.3	2
24	Large-scale multi-trophic co-response models and environmental control of pelagic food webs in Qubec lakes. *Oikos*, **2021**, 130, 377-395	4	2
23	The phyllosphere microbiome of host trees contributes more than leaf phytochemicals to variation in the Agrilus planipennis Fairmaire gut microbiome structure. *Scientific Reports*, **2021**, 11, 15911	4.9	2
22	Multi-scale spatial and partitioning analyses of the reef-fish community composition of the Yucatan fringing reef system. *Ecological Complexity*, **2016**, 28, 69-76	2.6	1
21	Modelling habitat distributions for multiple species using phylogenetics. *Ecography*, **2017**, 40, 1088-1097	6.5	1
20	Dimensional analysis in ecology. *Developments in Environmental Modelling*, **2012**, 24, 109-142	0	1
19	Multidimensional semiquantitative data. *Developments in Environmental Modelling*, **2012**, 24, 195-218	0	1
18	Report on Nineteenth International Numerical Taxonomy Conference. *Systematic Zoology*, **1986**, 35, 135		1
17	Taximetric Analysis of Selected Groups of Western North American Salmo with Respect to Phylogenetic Divergences. *Systematic Zoology*, **1972**, 21, 292		1
16	THE DEFINITION OF SYSTEMATIC CATEGORIES IN BIOLOGY. *Taxon*, **1972**, 21, 381-406	0.8	1
15	Association Measures and Matrices. *Use R!*, **2018**, 35-57	0.3	1
14	Does diversity beget diversity in microbiomes?		1
13	An Efficient Algorithm for the Detection and Classification of Horizontal Gene Transfer Events and Identification of Mosaic Genes. *Studies in Classification, Data Analysis, and Knowledge Organization*, **2013**, 253-260	0.2	1
12	Postglacial palaeoenvironmental reconstruction of the Fury and Hecla Strait region (Nunavut) inferred from microfossils and geochemical proxies. *Journal of Quaternary Science*,	2.3	1
11	Multidimensional qualitative data. *Developments in Environmental Modelling*, **2012**, 24, 219-264	0	0
10	An Appropriate Space for Clustering Selected Groups of Western North American Salmo. *Systematic Zoology*, **1976**, 25, 193		0

9	New measures for quantifying directional changes in presence-absence community data. *Ecological Indicators*, **2022**, 136, 108618	5.8	0
8	2000 Alwyn Gentry Award. *Biotropica*, **2006**, 32, 769-770	2.3	
7	A Statistical Framework to Test the Consensus Among Additive Trees (Cladograms). *Systematic Biology*, **1992**, 41, 158	8.4	
6	Reconstructing Biogeographic History Using Phylogenetic-tree Analysis of Community Structure. *Systematic Biology*, **1986**, 35, 68-80	8.4	
5	Atoms and Human Health. *Ecology*, **1970**, 51, 756-756	4.6	
4	Plant Speciation. *Ecology*, **1972**, 53, 368-369	4.6	
3	MULTIVARIATE MORPHOMETRICS. *Taxon*, **1972**, 21, 515-516	0.8	
2	A New Algorithm for Inferring Hybridization Events Based on the Detection of Horizontal Gene Transfers. *Springer Optimization and Its Applications*, **2014**, 273-293	0.4	
1	Numerical Ecology: Developments for Microbial Ecology **1987**, 469-484		