

Pierre Legendre

List of Publications by Year in Descending Order

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Version: 2024-04-11

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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.

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	New measures for quantifying directional changes in presence-absence community data. <i>Ecological Indicators</i> , 2022 , 136, 108618	5.8	0
349	Large-scale multi-trophic co-response models and environmental control of pelagic food webs in Québec lakes. <i>Oikos</i> , 2021 , 130, 377-395	4	2
348	Horizontal gene transfer and recombination analysis of SARS-CoV-2 genes helps discover its close relatives and shed light on its origin. <i>Bmc Ecology and Evolution</i> , 2021 , 21, 5	2.1	17
347	The phyllosphere microbiome of host trees contributes more than leaf phytochemicals to variation in the <i>Agrilus planipennis</i> Fairmaire gut microbiome structure. <i>Scientific Reports</i> , 2021 , 11, 15911	4.9	2
346	Moderate disturbances accelerate forest transition dynamics under climate change in the temperate-boreal ecotone of eastern North America. <i>Global Change Biology</i> , 2020 , 26, 4418-4435	11.4	17
345	What do beta diversity components reveal from presence-absence community data? Let us connect every indicator to an indicandum!. <i>Ecological Indicators</i> , 2020 , 117, 106540	5.8	9
344	Does diversity beget diversity in microbiomes?. <i>ELife</i> , 2020 , 9,	8.9	12
343	Temperature drives local contributions to beta diversity in mountain streams: Stochastic and deterministic processes. <i>Global Ecology and Biogeography</i> , 2020 , 29, 420-432	6.1	14
342	A novel tool to assess the effect of intraspecific spatial niche variation on species distribution shifts under climate change. <i>Global Ecology and Biogeography</i> , 2020 , 29, 590-602	6.1	4
341	Partitioning plant spectral diversity into alpha and beta components. <i>Ecology Letters</i> , 2020 , 23, 370-380	10	37
340	Trait-based approach to monitoring marine benthic data along 500 km of coastline. <i>Diversity and Distributions</i> , 2019 , 25, 1879-1896	5	15
339	A temporal beta-diversity index to identify sites that have changed in exceptional ways in space-time surveys. <i>Ecology and Evolution</i> , 2019 , 9, 3500-3514	2.8	55
338	Damming interacts with the flood pulse to alter zooplankton communities in an Amazonian river. <i>Freshwater Biology</i> , 2019 , 64, 1040-1053	3.1	7
337	Spatial and temporal analysis of beta diversity in the Barro Colorado Island forest dynamics plot, Panama. <i>Forest Ecosystems</i> , 2019 , 6,	3.8	19
336	Disturbances amplify tree community responses to climate change in the temperateBoreal ecotone. <i>Global Ecology and Biogeography</i> , 2019 , 28, 1668-1681	6.1	33
335	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	6.1	8
334	Variation in compositional and structural components of community assemblage and its determinants. <i>Journal of Vegetation Science</i> , 2019 , 30, 257-268	3.1	6

333	Trajectory analysis in community ecology. <i>Ecological Monographs</i> , 2019 , 89, e01350	9	30
332	Numerical Ecology 2019 , 487-493		20
331	Flow alterations by dams shaped fish assemblage dynamics in the complex Mekong-3S river system. <i>Ecological Indicators</i> , 2018 , 88, 103-114	5.8	50
330	Box-Cox-chord transformations for community composition data prior to beta diversity analysis. <i>Ecography</i> , 2018 , 41, 1820-1824	6.5	34
329	Uniqueness of sampling site contributions to the total variance of macroinvertebrate communities in the Lower Mekong Basin. <i>Ecological Indicators</i> , 2018 , 84, 425-432	5.8	15
328	Summer assessment of zooplankton biodiversity and environmental control in urban waterbodies on the Island of Montréal. <i>Ecosphere</i> , 2018 , 9, e02277	3.1	17
327	Application of Moran Eigenvector Maps (MEM) to irregular sampling designs. <i>Spatial Statistics</i> , 2018 , 26, 56-68	2.2	6
326	Numerical Ecology with R. <i>Use R!</i> , 2018 ,	0.3	239
325	Association Measures and Matrices. <i>Use R!</i> , 2018 , 35-57	0.3	1
324	Unconstrained Ordination. <i>Use R!</i> , 2018 , 151-201	0.3	9
323	Canonical Ordination. <i>Use R!</i> , 2018 , 203-297	0.3	8
322	Spatial Analysis of Ecological Data. <i>Use R!</i> , 2018 , 299-367	0.3	6
321	Community Diversity. <i>Use R!</i> , 2018 , 369-412	0.3	2
320	Spatial organisation of fish communities in the St. Lawrence River: a test for longitudinal gradients and spatial heterogeneities in a large river system. <i>Hydrobiologia</i> , 2018 , 809, 155-173	2.4	12
319	Concomitant impacts of climate change, fragmentation and non-native species have led to reorganization of fish communities since the 1980s. <i>Global Ecology and Biogeography</i> , 2018 , 27, 213-222	6.1	31
318	Bringing multivariate support to multiscale codependence analysis: Assessing the drivers of community structure across spatial scales. <i>Methods in Ecology and Evolution</i> , 2018 , 9, 292-304	7.7	6
317	Biodiversity and trophic ecology of hydrothermal vent fauna associated with tubeworm assemblages on the Juan de Fuca Ridge. <i>Biogeosciences</i> , 2018 , 15, 2629-2647	4.6	9
316	Negative relationships between species richness and temporal variability are common but weak in natural systems. <i>Ecology</i> , 2018 , 99, 2592-2604	4.6	10

315	The Effects of Regional Hydrologic Alteration on Fish Community Structure in Regulated Rivers. <i>River Research and Applications</i> , 2017 , 33, 249-257	2.3	14
314	Predicting microcystin concentrations in lakes and reservoirs at a continental scale: A new framework for modelling an important health risk factor. <i>Global Ecology and Biogeography</i> , 2017 , 26, 625-637	6.1	41
313	Human and natural controls of the variation in aboveground tree biomass in African dry tropical forests 2017 , 27, 1578-1593		7
312	Hosts, parasites and their interactions respond to different climatic variables. <i>Global Ecology and Biogeography</i> , 2017 , 26, 942-951	6.1	42
311	Constancy despite variability: Local and regional macrofaunal diversity in intertidal seagrass beds. <i>Journal of Sea Research</i> , 2017 , 130, 107-122	1.9	14
310	Astronomical and atmospheric impacts on deep-sea hydrothermal vent invertebrates. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	15
309	Diatom diversity patterns over the past c. 150 years across the conterminous United States of America: Identifying mechanisms behind beta diversity. <i>Global Ecology and Biogeography</i> , 2017 , 26, 1303-1315	6.1	24
308	Biological and environmental rhythms in (dark) deep-sea hydrothermal ecosystems. <i>Biogeosciences</i> , 2017 , 14, 2955-2977	4.6	12
307	Modelling habitat distributions for multiple species using phylogenetics. <i>Ecography</i> , 2017 , 40, 1088-1097	6.5	1
306	Environmental factors structuring benthic primary producers at different spatial scales in the St. Lawrence River (Canada). <i>Aquatic Sciences</i> , 2017 , 79, 345-356	2.5	7
305	Multi-scale spatial and partitioning analyses of the reef-fish community composition of the Yucatan fringing reef system. <i>Ecological Complexity</i> , 2016 , 28, 69-76	2.6	1
304	The Willow Microbiome Is Influenced by Soil Petroleum-Hydrocarbon Concentration with Plant Compartment-Specific Effects. <i>Frontiers in Microbiology</i> , 2016 , 7, 1363	5.7	34
303	A spatially-explicit assessment of the fish population response to flow management in a heterogeneous landscape. <i>Ecosphere</i> , 2016 , 7, e01252	3.1	6
302	A new cost-effective approach to survey ecological communities. <i>Oikos</i> , 2016 , 125, 975-987	4	10
301	Using fish guilds to assess community responses to temperature and flow regimes in unregulated and regulated Canadian rivers. <i>Freshwater Biology</i> , 2016 , 61, 1759-1772	3.1	9
300	Biodiversity patterns, environmental drivers and indicator species on a high-temperature hydrothermal edifice, Mid-Atlantic Ridge. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 121, 177-192	2.3	45
299	Are the landscape-level drivers of water column and surface sediment diatoms different?. <i>Freshwater Biology</i> , 2015 , 60, 267-281	3.1	11
298	Using intra-individual variation in shrub architecture to explain population cover. <i>Oikos</i> , 2015 , 124, 707-716		7

297	Should the Mantel test be used in spatial analysis?. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 1239-1247	7.7	190
296	A Comparison of Electrofishing and Visual Surveying Methods for Estimating Fish Community Structure in Temperate Rivers. <i>River Research and Applications</i> , 2015 , 31, 1040-1051	2.3	14
295	Understanding the Spatio-Temporal Response of Coral Reef Fish Communities to Natural Disturbances: Insights from Beta-Diversity Decomposition. <i>PLoS ONE</i> , 2015 , 10, e0138696	3.7	43
294	Phylogenetics to help predict active metabolism. <i>Ecosphere</i> , 2015 , 6, 1-11	3.1	3
293	Thirty-year recovery of mollusc communities after nuclear experimentations on Fangataufa atoll (Tuamotu, French Polynesia). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282,	4.4	16
292	Statistical methods for temporal and space-time analysis of community composition data. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20132728	4.4	145
291	Interpreting the replacement and richness difference components of beta diversity. <i>Global Ecology and Biogeography</i> , 2014 , 23, 1324-1334	6.1	462
290	Using phylogenetic information and chemical properties to predict species tolerances to pesticides. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014 , 281, 20133239	4.4	20
289	Consensus RDA across dissimilarity coefficients for canonical ordination of community composition data. <i>Ecological Monographs</i> , 2014 , 84, 491-511	9	26
288	High-resolution dynamics of a deep-sea hydrothermal mussel assemblage monitored by the EMSO-Aïres MoMAR observatory. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014 , 90, 62-75	2.5	22
287	Oxidative stress modulates the expression of genes involved in cell survival in H508 cystic fibrosis airway epithelial cells. <i>Physiological Genomics</i> , 2014 , 46, 634-46	3.6	13
286	Reconstructing phosphorus levels using models based on the modern diatom assemblages of 55 lakes in southern Quebec. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2014 , 71, 887-914	2.4	11
285	Ward's Hierarchical Agglomerative Clustering Method: Which Algorithms Implement Ward's Criterion?. <i>Journal of Classification</i> , 2014 , 31, 274-295	1.2	1468
284	Rhythms and community dynamics of a hydrothermal tubeworm assemblage at main endeavour field - a multidisciplinary deep-sea observatory approach. <i>PLoS ONE</i> , 2014 , 9, e96924	3.7	39
283	A New Algorithm for Inferring Hybridization Events Based on the Detection of Horizontal Gene Transfers. <i>Springer Optimization and Its Applications</i> , 2014 , 273-293	0.4	
282	Indicator Species: Computation		11
281	Phylogenetic eigenvector maps: a framework to model and predict species traits. <i>Methods in Ecology and Evolution</i> , 2013 , 4, 1120-1131	7.7	67
280	Dissimilarity measurements and the size structure of ecological communities. <i>Methods in Ecology and Evolution</i> , 2013 , 4, 1167-1177	7.7	34

279	Large-scale geographic patterns of diversity and community structure of pelagic crustacean zooplankton in Canadian lakes. <i>Global Ecology and Biogeography</i> , 2013 , 22, 784-795	6.1	49
278	Optimization of temporal versus spatial replication in the development of habitat use models to explain among-reach variations of fish density estimates in rivers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013 , 70, 600-609	2.4	4
277	Putting the landscape into the genomics of trees: approaches for understanding local adaptation and population responses to changing climate. <i>Tree Genetics and Genomes</i> , 2013 , 9, 901-911	2.1	204
276	Beta diversity as the variance of community data: dissimilarity coefficients and partitioning. <i>Ecology Letters</i> , 2013 , 16, 951-63	10	607
275	Potential changes in forest composition could reduce impacts of climate change on boreal wildfires 2013 , 23, 21-35		87
274	Genetic structure of the white-footed mouse in the context of the emergence of Lyme disease in southern Quebec. <i>Ecology and Evolution</i> , 2013 , 3, 2075-88	2.8	29
273	Examining shifts in zooplankton community variability following biological invasion. <i>Limnology and Oceanography</i> , 2013 , 58, 399-408	4.8	5
272	Living in a hot redox soup: antioxidant defences of the hydrothermal worm <i>Alvinella pompejana</i> . <i>Aquatic Biology</i> , 2013 , 18, 217-228	2	24
271	An Efficient Algorithm for the Detection and Classification of Horizontal Gene Transfer Events and Identification of Mosaic Genes. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2013 , 253-260	0.2	1
270	Broad-scale adaptive genetic variation in alpine plants is driven by temperature and precipitation. <i>Molecular Ecology</i> , 2012 , 21, 3729-38	5.7	113
269	Disentangling invasion processes in a dynamic shipping-boating network. <i>Molecular Ecology</i> , 2012 , 21, 4227-41	5.7	32
268	The variation of tree beta diversity across a global network of forest plots. <i>Global Ecology and Biogeography</i> , 2012 , 21, 1191-1202	6.1	114
267	Cascade multivariate regression tree: a novel approach for modelling nested explanatory sets. <i>Methods in Ecology and Evolution</i> , 2012 , 3, 234-244	7.7	18
266	N ₂ fixation rates and associated diversity (nifH) of microbialite and mat-forming consortia from different aquatic environments in Mexico. <i>Aquatic Microbial Ecology</i> , 2012 , 67, 15-24	1.1	19
265	Microbialite genetic diversity and composition relate to environmental variables. <i>FEMS Microbiology Ecology</i> , 2012 , 82, 724-35	4.3	40
264	Effects of spatial scale and choice of statistical model (linear versus tree-based) on determining species-habitat relationships. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2012 , 69, 2095-2111	2.4	13
263	Clustering and Partitioning. <i>Developments in Paleoenvironmental Research</i> , 2012 , 167-200		17
262	From Classical to Canonical Ordination. <i>Developments in Paleoenvironmental Research</i> , 2012 , 201-248		88

261	Inferring processes from spatial patterns: the role of directional and non-directional forces in shaping fish larvae distribution in a freshwater lake system. <i>PLoS ONE</i> , 2012 , 7, e50239	3.7	25
260	Variation partitioning involving orthogonal spatial eigenfunction submodels. <i>Ecology</i> , 2012 , 93, 1234-40	4.6	66
259	Community ecology in the age of multivariate multiscale spatial analysis. <i>Ecological Monographs</i> , 2012 , 82, 257-275	9	358
258	Using species combinations in indicator value analyses. <i>Methods in Ecology and Evolution</i> , 2012 , 3, 973-982	7.7	160
257	Complex ecological data sets. <i>Developments in Environmental Modelling</i> , 2012 , 1-57	0	22
256	Dimensional analysis in ecology. <i>Developments in Environmental Modelling</i> , 2012 , 24, 109-142	0	1
255	Multidimensional quantitative data. <i>Developments in Environmental Modelling</i> , 2012 , 143-194	0	2
254	Multidimensional semiquantitative data. <i>Developments in Environmental Modelling</i> , 2012 , 24, 195-218	0	1
253	Multidimensional qualitative data. <i>Developments in Environmental Modelling</i> , 2012 , 24, 219-264	0	0
252	Ecological resemblance. <i>Developments in Environmental Modelling</i> , 2012 , 24, 265-335	0	14
251	Ordination in reduced space. <i>Developments in Environmental Modelling</i> , 2012 , 425-520	0	25
250	Interpretation of ecological structures. <i>Developments in Environmental Modelling</i> , 2012 , 24, 521-624	0	8
249	Canonical analysis. <i>Developments in Environmental Modelling</i> , 2012 , 24, 625-710	0	21
248	Spatial analysis. <i>Developments in Environmental Modelling</i> , 2012 , 24, 785-858	0	7
247	Multiscale analysis: spatial eigenfunctions. <i>Developments in Environmental Modelling</i> , 2012 , 24, 859-906	0	4
246	Is the Mantel correlogram powerful enough to be useful in ecological analysis? A simulation study. <i>Ecology</i> , 2012 , 93, 1473-81	4.6	130
245	Spatial and Temporal Variation in a Caribbean Herbivorous Fish Assemblage. <i>Journal of Coastal Research</i> , 2012 , 278, 63-72	0.6	6
244	Multiple-Table Data in R with the multitablePackage. <i>Journal of Statistical Software</i> , 2012 , 51,	7.3	3

243	Using phylogenetic information to predict species tolerances to toxic chemicals 2011 , 21, 3178-3190		43
242	Numerical Ecology with R 2011 ,		1283
241	Association Measures and Matrices 2011 , 31-51		6
240	Spatial Analysis of Ecological Data 2011 , 227-292		24
239	Testing the significance of canonical axes in redundancy analysis. <i>Methods in Ecology and Evolution</i> , 2011 , 2, 269-277	7.7	310
238	Relationships between species feeding traits and environmental conditions in fish communities: a three-matrix approach 2011 , 21, 363-77		37
237	Business partner or simple catch? The economic value of the sicklefin lemon shark in French Polynesia. <i>Marine and Freshwater Research</i> , 2011 , 62, 764	2.2	57
236	Faunal changes and geographic crypticism indicate the occurrence of a biogeographic transition zone along the southern East Pacific Rise. <i>Journal of Biogeography</i> , 2011 , 38, 575-594	4.1	18
235	Scale dependency of processes structuring metacommunities of cladocerans in temporary pools of High-Andes wetlands. <i>Ecography</i> , 2011 , 34, 296-305	6.5	136
234	The role of environmental and spatial processes in structuring native and non-native fish communities across thousands of lakes. <i>Ecography</i> , 2011 , 34, 762-771	6.5	49
233	A framework for estimating niche metrics using the resemblance between qualitative resources. <i>Oikos</i> , 2011 , 120, 1341-1350	4	35
232	Organochlorine pollution in tropical rivers (Guadeloupe): role of ecological factors in food web bioaccumulation. <i>Environmental Pollution</i> , 2011 , 159, 1692-701	9.3	93
231	Modelling the effect of directional spatial ecological processes at different scales. <i>Oecologia</i> , 2011 , 166, 357-68	2.9	95
230	Diversity and composition of ectomycorrhizal community on seedling roots: the role of host preference and soil origin. <i>Mycorrhiza</i> , 2011 , 21, 669-680	3.9	31
229	The performance of the Congruence Among Distance Matrices (CADM) test in phylogenetic analysis. <i>BMC Evolutionary Biology</i> , 2011 , 11, 64	3	67
228	NSERC's HydroNet: A National Research Network to Promote Sustainable Hydropower and Healthy Aquatic Ecosystems. <i>Fisheries</i> , 2011 , 36, 480-488	1.1	8
227	Canonical Ordination 2011 , 153-225		29
226	Unconstrained Ordination 2011 , 115-151		15

225	Modelling habitat associations of 14 species of holothurians from an unfished coral atoll: implications for fisheries management. <i>Aquatic Biology</i> , 2011 , 14, 57-66	2	12
224	Modelling habitat associations of the common spider conch in the 'Cocos'(Keeling) Islands. <i>Marine Ecology - Progress Series</i> , 2011 , 432, 83-90	2.6	3
223	Reefscape proxies for the conservation of Caribbean coral reef biodiversity. <i>Ciencias Marinas</i> , 2011 , 37, 87-96	1.7	15
222	Improving indicator species analysis by combining groups of sites. <i>Oikos</i> , 2010 , 119, 1674-1684	4	636
221	Fire-induced taxonomic and functional changes in saproxylic beetle communities in fire sensitive regions. <i>Ecography</i> , 2010 , 33, 760-771	6.5	42
220	Utility of computer simulations in landscape genetics. <i>Molecular Ecology</i> , 2010 , 19, 3549-64	5.7	144
219	Common factors drive adaptive genetic variation at different spatial scales in <i>Arabis alpina</i> . <i>Molecular Ecology</i> , 2010 , 19, 3824-35	5.7	148
218	Estimating and controlling for spatial structure in the study of ecological communities. <i>Global Ecology and Biogeography</i> , 2010 , 19, 174-184	6.1	307
217	A distance-based framework for measuring functional diversity from multiple traits. <i>Ecology</i> , 2010 , 91, 299-305	4.6	1960
216	Behavioural response of sicklefin lemon sharks <i>Negaprion acutidens</i> to underwater feeding for ecotourism purposes. <i>Marine Ecology - Progress Series</i> , 2010 , 414, 257-266	2.6	93
215	Spider, bee, and bird communities in cities are shaped by environmental control and high stochasticity. <i>Ecology</i> , 2010 , 91, 3343-53	4.6	86
214	Multiscale codependence analysis: an integrated approach to analyze relationships across scales. <i>Ecology</i> , 2010 , 91, 2952-64	4.6	20
213	Spatial relationships between soil moisture patterns and topographic variables at multiple scales in a humid temperate forested catchment. <i>Water Resources Research</i> , 2010 , 46,	5.4	27
212	Community surveys through space and time: testing the space-time interaction in the absence of replication. <i>Ecology</i> , 2010 , 91, 262-72	4.6	69
211	Comparison of the Mantel test and alternative approaches for detecting complex multivariate relationships in the spatial analysis of genetic data. <i>Molecular Ecology Resources</i> , 2010 , 10, 831-44	8.4	465
210	Water table response to an experimental alley farming trial: dissecting the spatial and temporal structure of the data 2010 , 20, 1704-20		3
209	Weighted bootstrapping: a correction method for assessing the robustness of phylogenetic trees. <i>BMC Evolutionary Biology</i> , 2010 , 10, 250	3	6
208	The relations between standard fluvial habitat variables and turbulent flow at multiple scales in morphological units of a gravel-bed river. <i>River Research and Applications</i> , 2010 , 26, 439-455	2.3	14

207	Aggregation of Sampling Units: An Analytical Solution to Predict Variance. <i>Geographical Analysis</i> , 2010 , 29, 258-266	2.9	18
206	Effects of provisioning on shark behaviour: Reply to Brunnschweiler & McKenzie (2010). <i>Marine Ecology - Progress Series</i> , 2010 , 420, 285-288	2.6	3
205	Global depression in gene expression as a response to rapid thermal changes in vent mussels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 3071-9	4.4	41
204	Assessing the scale-specific importance of niches and other spatial processes on beta diversity: a case study from a temperate forest. <i>Oecologia</i> , 2009 , 159, 377-88	2.9	114
203	Assessing Congruence Among Ultrametric Distance Matrices. <i>Journal of Classification</i> , 2009 , 26, 103-117	1.2	14
202	Comparison of two plant functional approaches to evaluate natural restoration along an old-field \square deciduous forest chronosequence. <i>Journal of Vegetation Science</i> , 2009 , 20, 185-198	3.1	52
201	Independent contrasts and regression through the origin. <i>Journal of Theoretical Biology</i> , 2009 , 259, 727-43	4.3	16
200	Associations between species and groups of sites: indices and statistical inference. <i>Ecology</i> , 2009 , 90, 3566-74	4.6	1622
199	Shifts between biotic and physical driving forces of species organization under natural disturbance regimes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009 , 66, 1282-1293	2.4	23
198	Biogeographic relationships among deep-sea hydrothermal vent faunas at global scale. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009 , 56, 1371-1378	2.5	105
197	Partitioning beta diversity in a subtropical broad-leaved forest of China. <i>Ecology</i> , 2009 , 90, 663-74	4.6	440
196	Phylogenetic, functional, and structural components of variation in bone growth rate of amniotes. <i>Evolution & Development</i> , 2008 , 10, 217-27	2.6	75
195	Modelling directional spatial processes in ecological data. <i>Ecological Modelling</i> , 2008 , 215, 325-336	3	206
194	Scaling up beta diversity on Caribbean coral reefs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 366, 28-36	2.1	39
193	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. <i>Ecology</i> , 2008 , 89, 3238-3244	4.6	65
192	Studying beta diversity: ecological variation partitioning by multiple regression and canonical analysis. <i>Journal of Plant Ecology</i> , 2008 , 1, 3-8	1.7	295
191	Meiofaunal community structure of the deep-sea Gulf of Mexico: Variability due to the sorting methods. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 2627-2633	2.3	11
190	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. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 2667-2678	2.3	19

189	Macrofaunal density and biomass in the Campeche Canyon, Southwestern Gulf of Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 2679-2685	2.3	28
188	Testing the species traits-environment relationships: the fourth-corner problem revisited. <i>Ecology</i> , 2008 , 89, 3400-12	4.6	382
187	Forward selection of explanatory variables. <i>Ecology</i> , 2008 , 89, 2623-32	4.6	1313
186	Toward management guidelines for soybean aphid, <i>Aphis glycines</i> , in Quebec. II. Spatial distribution of aphid populations in commercial soybean fields. <i>Canadian Entomologist</i> , 2008 , 140, 219-234	0.7	10
185	ANALYZING OR EXPLAINING BETA DIVERSITY? COMMENT. <i>Ecology</i> , 2008 , 89, 3227-3232	4.6	16
184	Shifting dominance among Scarid species on reefs representing a gradient of fishing pressure. <i>Aquatic Living Resources</i> , 2008 , 21, 339-348	1.5	18
183	Using the landscape morphometric context to resolve spatial patterns of submerged macrophyte communities in a fluvial lake. <i>Landscape Ecology</i> , 2008 , 23, 91-105	4.3	22
182	Beals smoothing revisited. <i>Oecologia</i> , 2008 , 156, 657-69	2.9	34
181	Explaining variation in tropical plant community composition: influence of environmental and spatial data quality. <i>Oecologia</i> , 2008 , 155, 593-604	2.9	145
180	The utility of covariances: a response to Ranta et al. <i>Oikos</i> , 2008 , 117, 1912-1913	4	4
179	Spatial-scale partitioning of in situ turbulent flow data over a pebble cluster in a gravel-bed river. <i>Water Resources Research</i> , 2007 , 43,	5.4	5
178	Microheterogeneity and coevolution: an examination of rDNA sequence characteristics in <i>Neoparamoeba pemaquidensis</i> and its prokinetoplastid endosymbiont. <i>Journal of Eukaryotic Microbiology</i> , 2007 , 54, 418-26	3.6	26
177	Role of habitat and landscape in structuring small mammal assemblages in hedgerow networks of contrasted farming landscapes in Brittany, France. <i>Landscape Ecology</i> , 2007 , 22, 1241-1253	4.3	53
176	Compensatory dynamics are rare in natural ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3273-7	11.5	228
175	LAC CROCHE UNDERSTORY VEGETATION DATA SET (1998-2006). <i>Ecology</i> , 2007 , 88, 3209-3209	4.6	4
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3	A MATHEMATICAL MODEL FOR THE ENTITIES SPECIES AND GENUS. <i>Taxon</i> , 1969 , 18, 245-252	0.8	6
2	Does diversity beget diversity in microbiomes?		1
1	Postglacial palaeoenvironmental reconstruction of the Fury and Hecla Strait region (Nunavut) inferred from microfossils and geochemical proxies. <i>Journal of Quaternary Science</i> ,	2.3	1