Peter M Van Bodegom

List of Publications by Year in Descending Order

231 papers	14,841 citations	55 h-index	117 g-index
254 ext. papers	18,388 ext. citations	6.8 avg, IF	6.34 L-index

#	Paper	IF	Citations
231	Characterisation model approach for LCA to estimate land use impacts on pollinator abundance and illustrative characterisation factors. *Journal of Cleaner Production*, **2022**, 346, 131043	10.3	1
230	A multi-metric assessment of drought vulnerability across different vegetation types using high resolution remote sensing.. *Science of the Total Environment*, **2022**, 154970	10.2	0
229	Assessing the use of land system archetypes to increase regional variability representation in country-specific characterization factors: a soil erosion case study. *International Journal of Life Cycle Assessment*, **2022**, 27, 409	4.6	1
228	Linking Land Use and Plant Functional Diversity Patterns in Sabah, Borneo, through Large-Scale Spatially Continuous Sentinel-2 Inference. *Land*, **2022**, 11, 572	3.5	
227	Mycelium chemistry differs markedly between ectomycorrhizal and arbuscular mycorrhizal fungi.. *Communications Biology*, **2022**, 5, 398	6.7	0
226	Microbial trait-based approaches for agroecosystems. *Advances in Agronomy*, **2022**,	7.7	
225	Climatic and soil factors explain the two-dimensional spectrum of global plant trait variation.. *Nature Ecology and Evolution*, **2021**,	12.3	6
224	A Review of Remote Sensing Challenges for Food Security with Respect to Salinity and Drought Threats. *Remote Sensing*, **2021**, 13, 6	5	15
223	Experimental evidence for neonicotinoid driven decline in aquatic emerging insects. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	6
222	Drivers of spontaneous plant richness patterns in urban green space within a biodiversity hotspot. *Urban Forestry and Urban Greening*, **2021**, 61, 127098	5.4	3
221	Relationships between plant–soil feedbacks and functional traits. *Journal of Ecology*, **2021**, 109, 3411-3423	6	3
220	Stirring up the relationship between quantified environmental DNA concentrations and exoskeleton-shedding invertebrate densities. *Environmental DNA*, **2021**, 3, 605-618	7.6	1
219	Global root traits (GRooT) database. *Global Ecology and Biogeography*, **2021**, 30, 25-37	6.1	28
218	Particle number-based trophic transfer of gold nanomaterials in an aquatic food chain. *Nature Communications*, **2021**, 12, 899	17.4	9
217	Exploring the Impact of Noise on Hybrid Inversion of PROSAIL RTM on Sentinel-2 Data. *Remote Sensing*, **2021**, 13, 648	5	9
216	Towards scalable estimation of plant functional diversity from Sentinel-2: In-situ validation in a heterogeneous (semi-)natural landscape. *Remote Sensing of Environment*, **2021**, 262, 112505	13.2	8
215	Assessing urban ecosystem services in support of spatial planning in the Hague, the Netherlands. *Landscape and Urban Planning*, **2021**, 214, 104195	7.7	0

214	Explaining discrepancies between spectral and in-situ plant diversity in multispectral satellite earth observation. *Remote Sensing of Environment*, **2021**, 265, 112684	13.2	4
213	The particle size distribution of environmental DNA varies with species and degradation. *Science of the Total Environment*, **2021**, 797, 149175	10.2	2
212	Organizing principles for vegetation dynamics. *Nature Plants*, **2020**, 6, 444-453	11.5	32
211	Global plant trait relationships extend to the climatic extremes of the tundra biome. *Nature Communications*, **2020**, 11, 1351	17.4	19
210	Simulating functional diversity of European natural forests along climatic gradients. *Journal of Biogeography*, **2020**, 47, 1069-1085	4.1	9
209	Characterizing Land Use Impacts on Functional Plant Diversity for Life Cycle Assessments. *Environmental Science & Technology*, **2020**, 54, 6486-6495	10.3	4
208	Accumulation of polybrominated diphenyl ethers and microbiome response in the great pond snail Lymnaea stagnalis with exposure to nylon (polyamide) microplastics. *Ecotoxicology and Environmental Safety*, **2020**, 188, 109882	7	23
207	TRY plant trait database - enhanced coverage and open access. *Global Change Biology*, **2020**, 26, 119-188	11.4	399
206	Drivers of plant traits that allow survival in wetlands. *Functional Ecology*, **2020**, 34, 956-967	5.6	13
205	Microbiota in Dung and Milk Differ Between Organic and Conventional Dairy Farms. *Frontiers in Microbiology*, **2020**, 11, 1746	5.7	1
204	Global patterns of the leaf economics spectrum in wetlands. *Nature Communications*, **2020**, 11, 4519	17.4	10
203	The abundance of arbuscular mycorrhiza in soils is linked to the total length of roots colonized at ecosystem level. *PLoS ONE*, **2020**, 15, e0237256	3.7	4
202	Spatial and temporal homogenisation of freshwater macrofaunal communities in ditches. *Freshwater Biology*, **2019**, 64, 2260-2268	3.1	3
201	Atmospheric Electricity Influencing Biogeochemical Processes in Soils and Sediments. *Frontiers in Physiology*, **2019**, 10, 378	4.6	8
200	An improved method for assessing mismatches between supply and demand in urban regulating ecosystem services: A case study in Tabriz, Iran. *PLoS ONE*, **2019**, 14, e0220750	3.7	6
199	Phylogenetic and functional structures of plant communities along a spatiotemporal urbanization gradient: Effects of colonization and extinction. *Journal of Vegetation Science*, **2019**, 30, 341-351	3.1	5
198	How Does eDNA Compare to Traditional Trapping? Detecting Mosquito Communities in South-African Freshwater Ponds. *Frontiers in Ecology and Evolution*, **2019**, 7,	3.7	9
197	Towards an optimal coverage of ecosystem services in LCA. *Journal of Cleaner Production*, **2019**, 231, 714-722	10.3	21

196	Global distribution patterns of mycoheterotrophy. *Global Ecology and Biogeography*, **2019**, 28, 1133-1145	6.1	4
195	Eutrophication governs predator-prey interactions and temperature effects in Aedes aegypti populations. *Parasites and Vectors*, **2019**, 12, 179	4	4
194	Environmental drivers for cheaters of arbuscular mycorrhizal symbiosis in tropical rainforests. *New Phytologist*, **2019**, 223, 1575-1583	9.8	6
193	Are ecophysiological adaptive traits decoupled from leaf economics traits in wetlands?. *Functional Ecology*, **2019**, 33, 1202-1210	5.6	14
192	Health Risks of Polybrominated Diphenyl Ethers (PBDEs) and Metals at Informal Electronic Waste Recycling Sites. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	16
191	Similar Growth Performance but Contrasting Biomass Allocation of Root-Flooded Terrestrial Plant (Mart.) Griseb. in Response to Nutrient Versus Dissolved Oxygen Stress. *Frontiers in Plant Science*, **2019**, 10, 111	6.2	1
190	Hydrophobic Organic Pollutants in Soils and Dusts at Electronic Waste Recycling Sites: Occurrence and Possible Impacts of Polybrominated Diphenyl Ethers. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	8
189	Evaluation and selection of functional diversity metrics with recommendations for their use in life cycle assessments. *International Journal of Life Cycle Assessment*, **2019**, 24, 485-500	4.6	8
188	Neonicotinoids and fertilizers jointly structure naturally assembled freshwater macroinvertebrate communities. *Science of the Total Environment*, **2019**, 691, 36-44	10.2	6
187	Global mycorrhizal plant distribution linked to terrestrial carbon stocks. *Nature Communications*, **2019**, 10, 5077	17.4	79
186	Climate drives the spatial distribution of mycorrhizal host plants in terrestrial ecosystems. *Journal of Ecology*, **2019**, 107, 2564-2573	6	13
185	Partitioning the impact of environmental drivers and species interactions in dynamic aquatic communities. *Ecosphere*, **2019**, 10, e02910	3.1	3
184	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. *Global Ecology and Biogeography*, **2019**, 28, 78-95	6.1	24
183	An improved methodology to evaluate crop salt tolerance from field trials. *Agricultural Water Management*, **2019**, 213, 375-387	5.9	19
182	Future global productivity will be affected by plant trait response to climate. *Scientific Reports*, **2018**, 8, 2870	4.9	52
181	Projected vegetation changes are amplified by the combination of climate change, socio-economic changes and hydrological climate adaptation measures. *Land Use Policy*, **2018**, 72, 547-562	5.6	3
180	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. *Journal of Biogeography*, **2018**, 45, 895-916	4.1	57
179	Analysis of species attributes to determine dominant environmental drivers, illustrated by species decline in the Netherlands since the 1950s. *Biological Conservation*, **2018**, 219, 68-77	6.2	2

178	Structural and functional responses of plant communities to climate change-mediated alterations in the hydrology of riparian areas in temperate Europe. *Ecology and Evolution*, **2018**, 8, 4120-4135	2.8	8
177	Nonadditive effects of consumption in an intertidal macroinvertebrate community are independent of food availability but driven by complementarity effects. *Ecology and Evolution*, **2018**, 8, 3086-3097	2.8	0
176	The influence of exposure and physiology on microplastic ingestion by the freshwater fish Rutilus rutilus (roach) in the River Thames, UK. *Environmental Pollution*, **2018**, 236, 188-194	9.3	112
175	Impact of informal electronic waste recycling on metal concentrations in soils and dusts. *Environmental Research*, **2018**, 164, 385-394	7.9	21
174	Assessing combined impacts of agrochemicals: Aquatic macroinvertebrate population responses in outdoor mesocosms. *Science of the Total Environment*, **2018**, 631-632, 341-347	10.2	13
173	Prevalence and injury patterns among electronic waste workers in the informal sector in Nigeria. *Injury Prevention*, **2018**, 24, 185-192	3.2	26
172	Differential effects of valuation method and ecosystem type on the monetary valuation of dryland ecosystem services: A quantitative analysis. *Journal of Arid Environments*, **2018**, 159, 11-21	2.5	11
171	Structure and function of the global topsoil microbiome. *Nature*, **2018**, 560, 233-237	50.4	654
170	Spatial scale dependence of factors driving climate regulation services in the Americas. *Global Ecology and Biogeography*, **2018**, 27, 828-838	6.1	3
169	Key criteria for developing ecosystem service indicators to inform decision making. *Ecological Indicators*, **2018**, 95, 417-426	5.8	59
168	A global meta-analysis on the monetary valuation of dryland ecosystem services: The role of socio-economic, environmental and methodological indicators. *Ecosystem Services*, **2018**, 32, 78-89	6.1	27
167	Eutrophication and predator presence overrule the effects of temperature on mosquito survival and development. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006354	4.8	5
166	An integrated framework to assess impacts on ecosystem services in LCA demonstrated by a case study of mining in Chile. *Ecosystem Services*, **2018**, 30, 211-219	6.1	14
165	Global trait-environment relationships of plant communities. *Nature Ecology and Evolution*, **2018**, 2, 1906-1917	12.3	209
164	A methodology to derive global maps of leaf traits using remote sensing and climate data. *Remote Sensing of Environment*, **2018**, 218, 69-88	13.2	58
163	Plant functional trait change across a warming tundra biome. *Nature*, **2018**, 562, 57-62	50.4	264
162	Towards global data products of Essential Biodiversity Variables on species traits. *Nature Ecology and Evolution*, **2018**, 2, 1531-1540	12.3	100
161	Mind the Gap between ecosystem services classification and strategic decision making. *Ecosystem Services*, **2018**, 33, 77-88	6.1	15

160	Acute toxicity of organic pesticides to Daphnia magna is unchanged by co-exposure to polystyrene microplastics. *Ecotoxicology and Environmental Safety*, **2018**, 166, 26-34	7	47
159	A global Fine-Root Ecology Database to address below-ground challenges in plant ecology. *New Phytologist*, **2017**, 215, 15-26	9.8	168
158	Strong biotic influences on regional patterns of climate regulation services. *Global Biogeochemical Cycles*, **2017**, 31, 787-803	5.9	2
157	A new metric to assess the predictive accuracy of multinomial land cover models. *Journal of Biogeography*, **2017**, 44, 1212-1224	4.1	1
156	Postregistration monitoring of pesticides is urgently required to protect ecosystems. *Environmental Toxicology and Chemistry*, **2017**, 36, 860-865	3.8	28
155	Scaling up flammability from individual leaves to fuel beds. *Oikos*, **2017**, 126, 1428-1438	4	31
154	Effects of increased seawater salinity irrigation on growth and quality of the edible halophyte Mesembryanthemum crystallinum L. under field conditions. *Agricultural Water Management*, **2017**, 187, 37-46	5.9	34
153	Plant community structure and nitrogen inputs modulate the climate signal on leaf traits. *Global Ecology and Biogeography*, **2017**, 26, 1138-1152	6.1	25
152	Are litter decomposition and fire linked through plant species traits?. *New Phytologist*, **2017**, 216, 653-669	9.8	25
151	Predicting habitat affinities of plant species using commonly measured functional traits. *Journal of Vegetation Science*, **2017**, 28, 1082-1095	3.1	28
150	Experimentally increased nutrient availability at the permafrost thaw front selectively enhances biomass production of deep-rooting subarctic peatland species. *Global Change Biology*, **2017**, 23, 4257-4266	11.4	65
149	Mapping local and global variability in plant trait distributions. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10937-E10946	11.5	103
148	The impact of alternative trait-scaling hypotheses for the maximum photosynthetic carboxylation rate (V) on global gross primary production. *New Phytologist*, **2017**, 215, 1370-1386	9.8	82
147	Quantification of uncertainties in global grazing systems assessment. *Global Biogeochemical Cycles*, **2017**, 31, 1089-1102	5.9	40
146	A global method for calculating plant CSR ecological strategies applied across biomes world-wide. *Functional Ecology*, **2017**, 31, 444-457	5.6	191
145	Invasive species' leaf traits and dissimilarity from natives shape their impact on nitrogen cycling: a meta-analysis. *New Phytologist*, **2017**, 213, 128-139	9.8	46
144	The effects of soil eutrophication propagate to higher trophic levels. *Global Ecology and Biogeography*, **2017**, 26, 18-30	6.1	39
143	Stability in a changing world - palm community dynamics in the hyperdiverse western Amazon over 17 years. *Global Change Biology*, **2017**, 23, 1232-1239	11.4	6

142	Bark traits, decomposition and flammability of Australian forest trees. *Australian Journal of Botany*, **2017**, 65, 327	1.2	13
141	Health Risks Awareness of Electronic Waste Workers in the Informal Sector in Nigeria. *International Journal of Environmental Research and Public Health*, **2017**, 14,	4.6	31
140	Pressure-Induced Shifts in Trophic Linkages in a Simplified Aquatic Food Web. *Frontiers in Environmental Science*, **2017**, 5,	4.8	11
139	Drivers of Bacterial Maintenance and Minimal Energy Requirements. *Frontiers in Microbiology*, **2017**, 8, 31	5.7	61
138	Compositional Stability of the Bacterial Community in a Climate-Sensitive Sub-Arctic Peatland. *Frontiers in Microbiology*, **2017**, 8, 317	5.7	10
137	Agricultural constraints on microbial resource use and niche breadth in drainage ditches. *PeerJ*, **2017**, 5, e4175	3.1	7
136	Trait modality distribution of aquatic macrofauna communities as explained by pesticides and water chemistry. *Ecotoxicology*, **2016**, 25, 1170-80	2.9	7
135	A novel way to understand plant species preferences in relation to groundwater discharge conditions using a trait-based approach. *Ecohydrology*, **2016**, 9, 549-559	2.5	
134	Geothermal ecosystems as natural climate change experiments: The ForHot research site in Iceland as a case study. *Icelandic Agricultural Sciences*, **2016**, 29, 53-71		26
133	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information **2016**,		2
132	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. *Geoscientific Model Development*, **2016**, 9, 2415-2440	6.3	79
131	Variation in trait trade-offs allows differentiation among predefined plant functional types: implications for predictive ecology. *New Phytologist*, **2016**, 209, 563-75	9.8	24
130	Oxygen absorption by adventitious roots promotes the survival of completely submerged terrestrial plants. *Annals of Botany*, **2016**, 118, 675-683	4.1	44
129	Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits. *Ecology and Evolution*, **2016**, 6, 7352-7366	2.8	24
128	Global patterns of plant root colonization intensity by mycorrhizal fungi explained by climate and soil chemistry. *Global Ecology and Biogeography*, **2015**, 24, 371-382	6.1	126
127	Effects of Warming and Drought on the Vegetation and Plant Diversity in the Amazon Basin. *Botanical Review, The*, **2015**, 81, 42-69	3.8	25
126	Potential impacts of groundwater conservation measures on catchment-wide vegetation patterns in a future climate. *Landscape Ecology*, **2015**, 30, 855-869	4.3	5
125	The imprint of plants on ecosystem functioning: A data-driven approach. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 43, 119-131	7.3	31

124	An evaluation of remote sensing derived soil pH and average spring groundwater table for ecological assessments. *International Journal of Applied Earth Observation and Geoinformation*, **2015**, 43, 149-159	7.3	17
123	A probabilistic eco-hydrological model to predict the effects of climate change on natural vegetation at a regional scale. *Landscape Ecology*, **2015**, 30, 835-854	4.3	11
122	Burn or rot: leaf traits explain why flammability and decomposability are decoupled across species. *Functional Ecology*, **2015**, 29, 1486-1497	5.6	65
121	Global effects of soil and climate on leaf photosynthetic traits and rates. *Global Ecology and Biogeography*, **2015**, 24, 706-717	6.1	179
120	Comparison of Asian Aquaculture Products by Use of Statistically Supported Life Cycle Assessment. *Environmental Science & Technology*, **2015**, 49, 14176-83	10.3	49
119	Quantitative assessment of the differential impacts of arbuscular and ectomycorrhiza on soil carbon cycling. *New Phytologist*, **2015**, 208, 280-93	9.8	103
118	Forests, savannas, and grasslands: bridging the knowledge gap between ecology and Dynamic Global Vegetation Models. *Biogeosciences*, **2015**, 12, 1833-1848	4.6	73
117	Disentangling thermal acclimation and substrate limitation effects on C and N cycling in peatlands. *Soil Biology and Biochemistry*, **2015**, 90, 224-231	7.5	5
116	Inclusion of ecologically based trait variation in plant functional types reduces the projected land carbon sink in an earth system model. *Global Change Biology*, **2015**, 21, 3074-86	11.4	75
115	Comparing salt tolerance of beet cultivars and their halophytic ancestor: consequences of domestication and breeding programmes. *AoB PLANTS*, **2014**, 7,	2.9	30
114	Weak phylogenetic signal in physiological traits of methane-oxidizing bacteria. *Journal of Evolutionary Biology*, **2014**, 27, 1240-7	2.3	12
113	Which is a better predictor of plant traits: temperature or precipitation?. *Journal of Vegetation Science*, **2014**, 25, 1167-1180	3.1	217
112	Mapping a priori defined plant associations using remotely sensed vegetation characteristics. *Remote Sensing of Environment*, **2014**, 140, 639-651	13.2	21
111	Low investment in sexual reproduction threatens plants adapted to phosphorus limitation. *Nature*, **2014**, 505, 82-6	50.4	122
110	Plant functional types in Earth system models: past experiences and future directions for application of dynamic vegetation models in high-latitude ecosystems. *Annals of Botany*, **2014**, 114, 1-16	4.1	176
109	A quantitative framework for assessing spatial flows of ecosystem services. *Ecological Indicators*, **2014**, 39, 24-33	5.8	175
108	Improving ecosystem productivity modeling through spatially explicit estimation of optimal light use efficiency. *Journal of Geophysical Research G: Biogeosciences*, **2014**, 119, 1755-1769	3.7	51
107	Incorporating microbial ecology concepts into global soil mineralization models to improve predictions of carbon and nitrogen fluxes. *Global Biogeochemical Cycles*, **2014**, 28, 223-238	5.9	24

106	Is the differential response of riparian plant performance to extreme drought and inundation events related to differences in intraspecific trait variation?. *Functional Plant Biology*, **2014**, 41, 609-619	2.7	0
105	Methane emissions from floodplains in the Amazon Basin: challenges in developing a process-based model for global applications. *Biogeosciences*, **2014**, 11, 1519-1558	4.6	35
104	Unsaturated hydraulic properties of xerophilous mosses: towards implementation of moss covered soils in hydrological models. *Hydrological Processes*, **2014**, 28, 6251-6264	3.3	11
103	Predicting leaf traits of herbaceous species from their spectral characteristics. *Ecology and Evolution*, **2014**, 4, 706-19	2.8	47
102	A fully traits-based approach to modeling global vegetation distribution. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 13733-8	11.5	145
101	Trait-based approaches for understanding microbial biodiversity and ecosystem functioning. *Frontiers in Microbiology*, **2014**, 5, 251	5.7	212
100	Toward quantitative understanding on microbial community structure and functioning: a modeling-centered approach using degradation of marine oil spills as example. *Frontiers in Microbiology*, **2014**, 5, 125	5.7	40
99	The influence of spatiotemporal variability and adaptations to hypoxia on empirical relationships between soil acidity and vegetation. *Ecohydrology*, **2014**, 7, 21-32	2.5	4
98	No effects of experimental warming but contrasting seasonal patterns for soil peptidase and glycosidase enzymes in a sub-arctic peat bog. *Biogeochemistry*, **2014**, 117, 55-66	3.8	22
97	Do we (need to) care about canopy radiation schemes in DGVMs? Caveats and potential impacts. *Biogeosciences*, **2014**, 11, 1873-1897	4.6	38
96	Synthesis of ecosystem vulnerability to climate change in the Netherlands shows the need to consider environmental fluctuations in adaptation measures. *Regional Environmental Change*, **2013**, 14, 933	4.3	1
95	Global drivers and patterns of microbial abundance in soil. *Global Ecology and Biogeography*, **2013**, 22, 1162-1172	6.1	183
94	Temperature sensitivity of peatland C and N cycling: Does substrate supply play a role?. *Soil Biology and Biochemistry*, **2013**, 61, 109-120	7.5	45
93	Towards a proper integration of hydrology in predicting soil nitrogen mineralization rates along natural moisture gradients. *Soil Biology and Biochemistry*, **2013**, 58, 302-312	7.5	10
92	Dominant bryophyte control over high-latitude soil temperature fluctuations predicted by heat transfer traits, field moisture regime and laws of thermal insulation. *Functional Ecology*, **2013**, 27, 1442-1454	5.6	61
91	Present state of global wetland extent and wetland methane modelling: conclusions from a model inter-comparison project (WETCHIMP). *Biogeosciences*, **2013**, 10, 753-788	4.6	382
90	Impacts of trait variation through observed trait–climate relationships on performance of an Earth system model: a conceptual analysis. *Biogeosciences*, **2013**, 10, 5497-5515	4.6	99
89	Present state of global wetland extent and wetland methane modelling: methodology of a model inter-comparison project (WETCHIMP). *Geoscientific Model Development*, **2013**, 6, 617-641	6.3	128

88	Trait Estimation in Herbaceous Plant Assemblages from in situ Canopy Spectra. *Remote Sensing*, **2013**, 5, 6323-6345	5	17
87	Relationships between nutrient-related plant traits and combinations of soil N and P fertility measures. *PLoS ONE*, **2013**, 8, e83735	3.7	20
86	A combination of functionally different plant traits provides a means to quantitatively predict a broad range of species assemblages in NW Europe. *Ecography*, **2012**, 35, 364-373	6.5	27
85	Towards a functional basis for predicting vegetation patterns; incorporating plant traits in habitat distribution models. *Ecography*, **2012**, 35, 294-305	6.5	26
84	Highly consistent effects of plant litter identity and functional traits on decomposition across a latitudinal gradient. *Ecology Letters*, **2012**, 15, 1033-41	10	292
83	Going beyond limitations of plant functional types when predicting global ecosystem□atmosphere fluxes: exploring the merits of traits-based approaches. *Global Ecology and Biogeography*, **2012**, 21, 625-636	6.1	149
82	A predictive model of community assembly that incorporates intraspecific trait variation. *Ecology Letters*, **2012**, 15, 1291-1299	10	178
81	Litter stoichiometric traits of plant species of high-latitude ecosystems show high responsiveness to global change without causing strong variation in litter decomposition. *New Phytologist*, **2012**, 196, 181-188	9.8	44
80	Process-based proxy of oxygen stress surpasses indirect ones in predicting vegetation characteristics. *Ecohydrology*, **2012**, 5, 746-758	2.5	17
79	Quantifying the functional responses of vegetation to drought and oxygen stress in temperate ecosystems. *Functional Ecology*, **2012**, 26, 1355-1365	5.6	25
78	Does beach nourishment have long-term effects on intertidal macroinvertebrate species abundance?. *Estuarine, Coastal and Shelf Science*, **2012**, 113, 172-181	2.9	36
77	Impacts of trait variation through observed trait-climate relationships on performance of a representative Earth System model: a conceptual analysis **2012**,		4
76	Tundra in the rain: differential vegetation responses to three years of experimentally doubled summer precipitation in Siberian shrub and Swedish bog tundra. *Ambio*, **2012**, 41 Suppl 3, 269-80	6.5	26
75	An ecohydrological sketch of climate change impacts on water and natural ecosystems for the Netherlands: bridging the gap between science and society. *Hydrology and Earth System Sciences*, **2012**, 16, 3945-3957	5.5	21
74	Nutrient limitation reduces land carbon uptake in simulations with a model of combined carbon, nitrogen and phosphorus cycling. *Biogeosciences*, **2012**, 9, 3547-3569	4.6	219
73	Plant-driven variation in decomposition rates improves projections of global litter stock distribution. *Biogeosciences*, **2012**, 9, 565-576	4.6	92
72	Global quantification of contrasting leaf life span strategies for deciduous and evergreen species in response to environmental conditions. *Global Ecology and Biogeography*, **2012**, 21, 224-235	6.1	87
71	Succession-induced trait shifts across a wide range of NW European ecosystems are driven by light and modulated by initial abiotic conditions. *Journal of Ecology*, **2012**, 100, 366-380	6	46

70	Summer warming accelerates sub-arctic peatland nitrogen cycling without changing enzyme pools or microbial community structure. *Global Change Biology*, **2012**, 18, 138-150	11.4	102
69	A frozen feast: thawing permafrost increases plant-available nitrogen in subarctic peatlands. *Global Change Biology*, **2012**, 18, 1998-2007	11.4	176
68	Present state of global wetland extent and wetland methane modelling: methodology of a model intercomparison project (WETCHIMP) **2012**,		10
67	Range shifts and global warming: ecological responses of Empetrum nigrum L. to experimental warming at its northern (high Arctic) and southern (Atlantic) geographical range margin. *Environmental Research Letters*, **2012**, 7, 025501	6.2	32
66	Disturbance and resource availability act differently on the same suite of plant traits: revisiting assembly hypotheses. *Ecology*, **2012**, 93, 825-35	4.6	19
65	Climate change threatens endangered plant species by stronger and interacting water-related stresses. *Journal of Geophysical Research*, **2011**, 116,		24
64	Local ecosystem feedbacks and critical transitions in the climate. *Ecological Complexity*, **2011**, 8, 223-228	2.6	42
63	Global to community scale differences in the prevalence of convergent over divergent leaf trait distributions in plant assemblages. *Global Ecology and Biogeography*, **2011**, 20, 755-765	6.1	92
62	A Race for Space? How Sphagnum fuscum stabilizes vegetation composition during long-term climate manipulations. *Global Change Biology*, **2011**, 17, 2162-2171	11.4	40
61	TRY – a global database of plant traits. *Global Change Biology*, **2011**, 17, 2905-2935	11.4	1623
60	Enzymology under global change: organic nitrogen turnover in alpine and sub-Arctic soils. *Biochemical Society Transactions*, **2011**, 39, 309-14	5.1	29
59	Plant strategies in relation to resource supply in mesic to wet environments: does theory mirror nature?. *American Naturalist*, **2010**, 175, 225-39	3.7	70
58	N deposition and elevated CO2 on methane emissions: Differential responses of indirect effects compared to direct effects through litter chemistry feedbacks. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		10
57	Leaf habit and woodiness regulate different leaf economy traits at a given nutrient supply. *Ecology*, **2010**, 91, 3218-28	4.6	48
56	Trace elements and carbon and nitrogen stable isotopes in organisms from a tropical coastal lagoon. *Archives of Environmental Contamination and Toxicology*, **2010**, 59, 464-77	3.2	25
55	Can differences in soil community composition after peat meadow restoration lead to different decomposition and mineralization rates?. *Soil Biology and Biochemistry*, **2009**, 41, 1717-1725	7.5	27
54	A global study of relationships between leaf traits, climate and soil measures of nutrient fertility. *Global Ecology and Biogeography*, **2009**, 18, 137-149	6.1	595
53	Rove beetles (Coleoptera: Staphylinidae) in Neotropical riverine landscapes: characterising their distribution. *Insect Conservation and Diversity*, **2009**, 2, 106-115	3.8	11

52	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. *Ecology Letters*, **2008**, 11, 1065-71	10	1605
51	Critical soil conditions for oxygen stress to plant roots: Substituting the Feddes-function by a process-based model. *Journal of Hydrology*, **2008**, 360, 147-165	6	64
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