

# Peter M Van Bodegom

## List of Publications by Citations

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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.

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	TRY is a global database of plant traits. <i>Global Change Biology</i> , <b>2011</b> , 17, 2905-2935	11.4	1623
230	Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. <i>Ecology Letters</i> , <b>2008</b> , 11, 1065-71	10	1605
229	Structure and function of the global topsoil microbiome. <i>Nature</i> , <b>2018</b> , 560, 233-237	50.4	654
228	A global study of relationships between leaf traits, climate and soil measures of nutrient fertility. <i>Global Ecology and Biogeography</i> , <b>2009</b> , 18, 137-149	6.1	595
227	TRY plant trait database - enhanced coverage and open access. <i>Global Change Biology</i> , <b>2020</b> , 26, 119-188	11.4	399
226	Present state of global wetland extent and wetland methane modelling: conclusions from a model inter-comparison project (WETCHIMP). <i>Biogeosciences</i> , <b>2013</b> , 10, 753-788	4.6	382
225	Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. <i>Ecology Letters</i> , <b>2007</b> , 10, 619-27	10	328
224	Highly consistent effects of plant litter identity and functional traits on decomposition across a latitudinal gradient. <i>Ecology Letters</i> , <b>2012</b> , 15, 1033-41	10	292
223	Plant functional trait change across a warming tundra biome. <i>Nature</i> , <b>2018</b> , 562, 57-62	50.4	264
222	Nutrient limitation reduces land carbon uptake in simulations with a model of combined carbon, nitrogen and phosphorus cycling. <i>Biogeosciences</i> , <b>2012</b> , 9, 3547-3569	4.6	219
221	Microbial maintenance: a critical review on its quantification. <i>Microbial Ecology</i> , <b>2007</b> , 53, 513-23	4.4	218
220	Which is a better predictor of plant traits: temperature or precipitation?. <i>Journal of Vegetation Science</i> , <b>2014</b> , 25, 1167-1180	3.1	217
219	Trait-based approaches for understanding microbial biodiversity and ecosystem functioning. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 251	5.7	212
218	Global trait-environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1906-1917	13.1	209
217	A global method for calculating plant CSR ecological strategies applied across biomes world-wide. <i>Functional Ecology</i> , <b>2017</b> , 31, 444-457	5.6	191
216	Global drivers and patterns of microbial abundance in soil. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 1162-1172	6.1	183
215	Global effects of soil and climate on leaf photosynthetic traits and rates. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 706-717	6.1	179

214	A predictive model of community assembly that incorporates intraspecific trait variation. <i>Ecology Letters</i> , <b>2012</b> , 15, 1291-1299	10	178
213	Plant functional types in Earth system models: past experiences and future directions for application of dynamic vegetation models in high-latitude ecosystems. <i>Annals of Botany</i> , <b>2014</b> , 114, 1-16 <sup>4.1</sup>	176	
212	A frozen feast: thawing permafrost increases plant-available nitrogen in subarctic peatlands. <i>Global Change Biology</i> , <b>2012</b> , 18, 1998-2007	11.4	176
211	A quantitative framework for assessing spatial flows of ecosystem services. <i>Ecological Indicators</i> , <b>2014</b> , 39, 24-33	5.8	175
210	A global Fine-Root Ecology Database to address below-ground challenges in plant ecology. <i>New Phytologist</i> , <b>2017</b> , 215, 15-26	9.8	168
209	Going beyond limitations of plant functional types when predicting global ecosystem atmosphere fluxes: exploring the merits of traits-based approaches. <i>Global Ecology and Biogeography</i> , <b>2012</b> , 21, 625-636	6.1	149
208	A fully traits-based approach to modeling global vegetation distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13733-8	11.5	145
207	Direct inhibition of methanogenesis by ferric iron. <i>FEMS Microbiology Ecology</i> , <b>2004</b> , 49, 261-8	4.3	132
206	Present state of global wetland extent and wetland methane modelling: methodology of a model inter-comparison project (WETCHIMP). <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 617-641	6.3	128
205	Global patterns of plant root colonization intensity by mycorrhizal fungi explained by climate and soil chemistry. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 371-382	6.1	126
204	Low investment in sexual reproduction threatens plants adapted to phosphorus limitation. <i>Nature</i> , <b>2014</b> , 505, 82-6	50.4	122
203	Temperature effects on soil methane production: an explanation for observed variability. <i>Soil Biology and Biochemistry</i> , <b>1999</b> , 31, 1919-1929	7.5	116
202	Methane oxidation and the competition for oxygen in the rice rhizosphere. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 3586-97	4.8	114
201	The influence of exposure and physiology on microplastic ingestion by the freshwater fish <i>Rutilus rutilus</i> (roach) in the River Thames, UK. <i>Environmental Pollution</i> , <b>2018</b> , 236, 188-194	9.3	112
200	Climate change effects on soil arthropod communities from the Falkland Islands and the Maritime Antarctic. <i>Soil Biology and Biochemistry</i> , <b>2008</b> , 40, 1547-1556	7.5	108
199	Mapping local and global variability in plant trait distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E10937-E10946	11.5	103
198	Quantitative assessment of the differential impacts of arbuscular and ectomycorrhiza on soil carbon cycling. <i>New Phytologist</i> , <b>2015</b> , 208, 280-93	9.8	103
197	Summer warming accelerates sub-arctic peatland nitrogen cycling without changing enzyme pools or microbial community structure. <i>Global Change Biology</i> , <b>2012</b> , 18, 138-150	11.4	102

196	Towards global data products of Essential Biodiversity Variables on species traits. <i>Nature Ecology and Evolution</i> , <b>2018</b> , 2, 1531-1540	12.3	100
195	Impacts of trait variation through observed trait–climate relationships on performance of an Earth system model: a conceptual analysis. <i>Biogeosciences</i> , <b>2013</b> , 10, 5497-5515	4.6	99
194	Plant-driven variation in decomposition rates improves projections of global litter stock distribution. <i>Biogeosciences</i> , <b>2012</b> , 9, 565-576	4.6	92
193	Global to community scale differences in the prevalence of convergent over divergent leaf trait distributions in plant assemblages. <i>Global Ecology and Biogeography</i> , <b>2011</b> , 20, 755-765	6.1	92
192	Global quantification of contrasting leaf life span strategies for deciduous and evergreen species in response to environmental conditions. <i>Global Ecology and Biogeography</i> , <b>2012</b> , 21, 224-235	6.1	87
191	The impact of alternative trait-scaling hypotheses for the maximum photosynthetic carboxylation rate ( $V_{\max}$ ) on global gross primary production. <i>New Phytologist</i> , <b>2017</b> , 215, 1370-1386	9.8	82
190	Global mycorrhizal plant distribution linked to terrestrial carbon stocks. <i>Nature Communications</i> , <b>2019</b> , 10, 5077	17.4	79
189	Improved representation of plant functional types and physiology in the Joint UK Land Environment Simulator (JULES v4.2) using plant trait information. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 2415-2440	6.3	79
188	Inclusion of ecologically based trait variation in plant functional types reduces the projected land carbon sink in an earth system model. <i>Global Change Biology</i> , <b>2015</b> , 21, 3074-86	11.4	75
187	Forests, savannas, and grasslands: bridging the knowledge gap between ecology and Dynamic Global Vegetation Models. <i>Biogeosciences</i> , <b>2015</b> , 12, 1833-1848	4.6	73
186	Plant strategies in relation to resource supply in mesic to wet environments: does theory mirror nature?. <i>American Naturalist</i> , <b>2010</b> , 175, 225-39	3.7	70
185	Burn or rot: leaf traits explain why flammability and decomposability are decoupled across species. <i>Functional Ecology</i> , <b>2015</b> , 29, 1486-1497	5.6	65
184	Experimentally increased nutrient availability at the permafrost thaw front selectively enhances biomass production of deep-rooting subarctic peatland species. <i>Global Change Biology</i> , <b>2017</b> , 23, 4257-4266	11.4	65
183	Critical soil conditions for oxygen stress to plant roots: Substituting the Feddes-function by a process-based model. <i>Journal of Hydrology</i> , <b>2008</b> , 360, 147-165	6	64
182	Drivers of Bacterial Maintenance and Minimal Energy Requirements. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 31	5.7	61
181	Dominant bryophyte control over high-latitude soil temperature fluctuations predicted by heat transfer traits, field moisture regime and laws of thermal insulation. <i>Functional Ecology</i> , <b>2013</b> , 27, 1442-1454	5.6	61
180	Key criteria for developing ecosystem service indicators to inform decision making. <i>Ecological Indicators</i> , <b>2018</b> , 95, 417-426	5.8	59
179	Nitrite reduces cytoplasmic acidosis under anoxia. <i>Plant Physiology</i> , <b>2006</b> , 142, 1710-7	6.6	58

178	A methodology to derive global maps of leaf traits using remote sensing and climate data. <i>Remote Sensing of Environment</i> , <b>2018</b> , 218, 69-88	13.2	58
177	Spatial patterns and climate relationships of major plant traits in the New World differ between woody and herbaceous species. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 895-916	4.1	57
176	Ferrous Iron Stimulates Phenol Oxidase Activity and Organic Matter Decomposition in Waterlogged Wetlands. <i>Biogeochemistry</i> , <b>2005</b> , 76, 69-83	3.8	53
175	Future global productivity will be affected by plant trait response to climate. <i>Scientific Reports</i> , <b>2018</b> , 8, 2870	4.9	52
174	Improving ecosystem productivity modeling through spatially explicit estimation of optimal light use efficiency. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 1755-1769	3.7	51
173	Restoring natural seepage conditions on former agricultural grasslands does not lead to reduction of organic matter decomposition and soil nutrient dynamics. <i>Biogeochemistry</i> , <b>2004</b> , 71, 317-337	3.8	51
172	Comparison of Asian Aquaculture Products by Use of Statistically Supported Life Cycle Assessment. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14176-83	10.3	49
171	Leaf habit and woodiness regulate different leaf economy traits at a given nutrient supply. <i>Ecology</i> , <b>2010</b> , 91, 3218-28	4.6	48
170	Predicting leaf traits of herbaceous species from their spectral characteristics. <i>Ecology and Evolution</i> , <b>2014</b> , 4, 706-19	2.8	47
169	Acute toxicity of organic pesticides to <i>Daphnia magna</i> is unchanged by co-exposure to polystyrene microplastics. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 166, 26-34	7	47
168	Invasive species' leaf traits and dissimilarity from natives shape their impact on nitrogen cycling: a meta-analysis. <i>New Phytologist</i> , <b>2017</b> , 213, 128-139	9.8	46
167	Succession-induced trait shifts across a wide range of NW European ecosystems are driven by light and modulated by initial abiotic conditions. <i>Journal of Ecology</i> , <b>2012</b> , 100, 366-380	6	46
166	Temperature sensitivity of peatland C and N cycling: Does substrate supply play a role?. <i>Soil Biology and Biochemistry</i> , <b>2013</b> , 61, 109-120	7.5	45
165	Litter stoichiometric traits of plant species of high-latitude ecosystems show high responsiveness to global change without causing strong variation in litter decomposition. <i>New Phytologist</i> , <b>2012</b> , 196, 181-188	9.8	44
164	Quantification of methane oxidation in the rice rhizosphere using <sup>13</sup> C-labelled methane. <i>Biogeochemistry</i> , <b>2003</b> , 64, 355-372	3.8	44
163	Oxygen absorption by adventitious roots promotes the survival of completely submerged terrestrial plants. <i>Annals of Botany</i> , <b>2016</b> , 118, 675-683	4.1	44
162	Prediction of reducible soil iron content from iron extraction data. <i>Biogeochemistry</i> , <b>2003</b> , 64, 231-245	3.8	43
161	Local ecosystem feedbacks and critical transitions in the climate. <i>Ecological Complexity</i> , <b>2011</b> , 8, 223-228	2.6	42

160	A mechanistic model on methane oxidation in a rice rhizosphere. <i>Biogeochemistry</i> , <b>2001</b> , 55, 145-177	3.8	42
159	Quantification of uncertainties in global grazing systems assessment. <i>Global Biogeochemical Cycles</i> , <b>2017</b> , 31, 1089-1102	5.9	40
158	Toward quantitative understanding on microbial community structure and functioning: a modeling-centered approach using degradation of marine oil spills as example. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 125	5.7	40
157	A Race for Space? How Sphagnum fuscum stabilizes vegetation composition during long-term climate manipulations. <i>Global Change Biology</i> , <b>2011</b> , 17, 2162-2171	11.4	40
156	The effects of soil eutrophication propagate to higher trophic levels. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 18-30	6.1	39
155	Do we (need to) care about canopy radiation schemes in DGVMs? Caveats and potential impacts. <i>Biogeosciences</i> , <b>2014</b> , 11, 1873-1897	4.6	38
154	Microbial processes of CH <sub>4</sub> production in a rice paddy soil: model and experimental validation. <i>Geochimica Et Cosmochimica Acta</i> , <b>2001</b> , 65, 2055-2066	5.5	37
153	Does beach nourishment have long-term effects on intertidal macroinvertebrate species abundance?. <i>Estuarine, Coastal and Shelf Science</i> , <b>2012</b> , 113, 172-181	2.9	36
152	Separating the effects of partial submergence and soil oxygen demand on plant physiology. <i>Ecology</i> , <b>2008</b> , 89, 193-204	4.6	36
151	Biomonitoring of estrogenic exposure and identification of responsible compounds in bream from Dutch surface waters. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 898-907	3.8	36
150	Methane emissions from floodplains in the Amazon Basin: challenges in developing a process-based model for global applications. <i>Biogeosciences</i> , <b>2014</b> , 11, 1519-1558	4.6	35
149	Does the seed bank contribute to the restoration of species-rich vegetation in wet dune slacks?. <i>Applied Vegetation Science</i> , <b>2005</b> , 8, 39-48	3.3	35
148	Effects of Ca- and Fe-rich Seepage on P Availability and Plant Performance in Calcareous Dune Soils. <i>Plant and Soil</i> , <b>2005</b> , 275, 111-122	4.2	35
147	Effects of increased seawater salinity irrigation on growth and quality of the edible halophyte <i>Mesembryanthemum crystallinum</i> L. under field conditions. <i>Agricultural Water Management</i> , <b>2017</b> , 187, 37-46	5.9	34
146	A process-based model for methane emission predictions from flooded rice paddies. <i>Global Biogeochemical Cycles</i> , <b>2001</b> , 15, 247-263	5.9	34
145	Effects of iron-ore mining and processing on metal bioavailability in a tropical coastal lagoon. <i>Journal of Soils and Sediments</i> , <b>2008</b> , 8, 239-252	3.4	33
144	Organizing principles for vegetation dynamics. <i>Nature Plants</i> , <b>2020</b> , 6, 444-453	11.5	32
143	Range shifts and global warming: ecological responses of <i>Empetrum nigrum</i> L. to experimental warming at its northern (high Arctic) and southern (Atlantic) geographical range margin. <i>Environmental Research Letters</i> , <b>2012</b> , 7, 025501	6.2	32

142	Radial oxygen loss, a plastic property of dune slack plant species. <i>Plant and Soil</i> , <b>2005</b> , 271, 351-364	4.2	32
141	Scaling up flammability from individual leaves to fuel beds. <i>Oikos</i> , <b>2017</b> , 126, 1428-1438	4	31
140	The imprint of plants on ecosystem functioning: A data-driven approach. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 43, 119-131	7.3	31
139	Health Risks Awareness of Electronic Waste Workers in the Informal Sector in Nigeria. <i>International Journal of Environmental Research and Public Health</i> , <b>2017</b> , 14,	4.6	31
138	Comparing salt tolerance of beet cultivars and their halophytic ancestor: consequences of domestication and breeding programmes. <i>AoB PLANTS</i> , <b>2014</b> , 7,	2.9	30
137	The contribution of rewetting to vegetation restoration of degraded peat meadows. <i>Applied Vegetation Science</i> , <b>2007</b> , 10, 315-324	3.3	30
136	Enzymology under global change: organic nitrogen turnover in alpine and sub-Arctic soils. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 309-14	5.1	29
135	Postregistration monitoring of pesticides is urgently required to protect ecosystems. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 860-865	3.8	28
134	Predicting habitat affinities of plant species using commonly measured functional traits. <i>Journal of Vegetation Science</i> , <b>2017</b> , 28, 1082-1095	3.1	28
133	Inorganic nitrogen dynamics in fallows and maize on an Oxisol and Alfisol in the highlands of Kenya. <i>Geoderma</i> , <b>2000</b> , 98, 11-33	6.7	28
132	Global root traits (GRooT) database. <i>Global Ecology and Biogeography</i> , <b>2021</b> , 30, 25-37	6.1	28
131	A global meta-analysis on the monetary valuation of dryland ecosystem services: The role of socio-economic, environmental and methodological indicators. <i>Ecosystem Services</i> , <b>2018</b> , 32, 78-89	6.1	27
130	A combination of functionally different plant traits provides a means to quantitatively predict a broad range of species assemblages in NW Europe. <i>Ecography</i> , <b>2012</b> , 35, 364-373	6.5	27
129	Can differences in soil community composition after peat meadow restoration lead to different decomposition and mineralization rates?. <i>Soil Biology and Biochemistry</i> , <b>2009</b> , 41, 1717-1725	7.5	27
128	Prevalence and injury patterns among electronic waste workers in the informal sector in Nigeria. <i>Injury Prevention</i> , <b>2018</b> , 24, 185-192	3.2	26
127	Towards a functional basis for predicting vegetation patterns; incorporating plant traits in habitat distribution models. <i>Ecography</i> , <b>2012</b> , 35, 294-305	6.5	26
126	Tundra in the rain: differential vegetation responses to three years of experimentally doubled summer precipitation in Siberian shrub and Swedish bog tundra. <i>Ambio</i> , <b>2012</b> , 41 Suppl 3, 269-80	6.5	26
125	Upscaling Regional Emissions of Greenhouse Gases from Rice Cultivation: Methods and Sources of Uncertainty. <i>Plant Ecology</i> , <b>2006</b> , 182, 89-106	1.7	26



124	Plant responses to rising water tables and nutrient management in calcareous dune slacks. <i>Plant Ecology</i> , <b>2006</b> , 185, 19-28	1.7	26
123	Geothermal ecosystems as natural climate change experiments: The ForHot research site in Iceland as a case study. <i>Icelandic Agricultural Sciences</i> , <b>2016</b> , 29, 53-71		26
122	Effects of Warming and Drought on the Vegetation and Plant Diversity in the Amazon Basin. <i>Botanical Review, The</i> , <b>2015</b> , 81, 42-69	3.8	25
121	Plant community structure and nitrogen inputs modulate the climate signal on leaf traits. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 1138-1152	6.1	25
120	Are litter decomposition and fire linked through plant species traits?. <i>New Phytologist</i> , <b>2017</b> , 216, 653-669	2.8	25
119	Quantifying the functional responses of vegetation to drought and oxygen stress in temperate ecosystems. <i>Functional Ecology</i> , <b>2012</b> , 26, 1355-1365	5.6	25
118	Trace elements and carbon and nitrogen stable isotopes in organisms from a tropical coastal lagoon. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2010</b> , 59, 464-77	3.2	25
117	Incorporating microbial ecology concepts into global soil mineralization models to improve predictions of carbon and nitrogen fluxes. <i>Global Biogeochemical Cycles</i> , <b>2014</b> , 28, 223-238	5.9	24
116	Climate change threatens endangered plant species by stronger and interacting water-related stresses. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		24
115	Variation in trait trade-offs allows differentiation among predefined plant functional types: implications for predictive ecology. <i>New Phytologist</i> , <b>2016</b> , 209, 563-75	9.8	24
114	Potential and limitations of inferring ecosystem photosynthetic capacity from leaf functional traits. <i>Ecology and Evolution</i> , <b>2016</b> , 6, 7352-7366	2.8	24
113	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 78-95	6.1	24
112	The need of data harmonization to derive robust empirical relationships between soil conditions and vegetation. <i>Journal of Vegetation Science</i> , <b>2008</b> , 19, 799-808	3.1	23
111	Accumulation of polybrominated diphenyl ethers and microbiome response in the great pond snail <i>Lymnaea stagnalis</i> with exposure to nylon (polyamide) microplastics. <i>Ecotoxicology and Environmental Safety</i> , <b>2020</b> , 188, 109882	7	23
110	No effects of experimental warming but contrasting seasonal patterns for soil peptidase and glycosidase enzymes in a sub-arctic peat bog. <i>Biogeochemistry</i> , <b>2014</b> , 117, 55-66	3.8	22
109	Towards an optimal coverage of ecosystem services in LCA. <i>Journal of Cleaner Production</i> , <b>2019</b> , 231, 714-722	10.3	21
108	Impact of informal electronic waste recycling on metal concentrations in soils and dusts. <i>Environmental Research</i> , <b>2018</b> , 164, 385-394	7.9	21
107	Mapping a priori defined plant associations using remotely sensed vegetation characteristics. <i>Remote Sensing of Environment</i> , <b>2014</b> , 140, 639-651	13.2	21



106	An ecohydrological sketch of climate change impacts on water and natural ecosystems for the Netherlands: bridging the gap between science and society. <i>Hydrology and Earth System Sciences</i> , <b>2012</b> , 16, 3945-3957	5.5	21
105	Effect of Straw Application on Rice Yields and Nutrient Availability on an Alkaline and a pH-neutral Soil in a Sahelian Irrigation Scheme. <i>Nutrient Cycling in Agroecosystems</i> , <b>2005</b> , 72, 255-266	3.3	20
104	Relationships between nutrient-related plant traits and combinations of soil N and P fertility measures. <i>PLoS ONE</i> , <b>2013</b> , 8, e83735	3.7	20
103	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , <b>2020</b> , 11, 1351	17.4	19
102	Disturbance and resource availability act differently on the same suite of plant traits: revisiting assembly hypotheses. <i>Ecology</i> , <b>2012</b> , 93, 825-35	4.6	19
101	An improved methodology to evaluate crop salt tolerance from field trials. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 375-387	5.9	19
100	An evaluation of remote sensing derived soil pH and average spring groundwater table for ecological assessments. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2015</b> , 43, 149-159	7.3	17
99	Process-based proxy of oxygen stress surpasses indirect ones in predicting vegetation characteristics. <i>Ecohydrology</i> , <b>2012</b> , 5, 746-758	2.5	17
98	Trait Estimation in Herbaceous Plant Assemblages from in situ Canopy Spectra. <i>Remote Sensing</i> , <b>2013</b> , 5, 6323-6345	5	17
97	Preference of wet dune species for waterlogged conditions can be explained by adaptations and specific recruitment requirements. <i>Aquatic Botany</i> , <b>2007</b> , 86, 37-45	1.8	17
96	Is UV-B radiation affecting charophycean algae in shallow freshwater systems?. <i>New Phytologist</i> , <b>2005</b> , 166, 957-66	9.8	17
95	Gas Transport through the Root-Rhizome Transition Zone of Rice Tillers. <i>Plant and Soil</i> , <b>2005</b> , 277, 107-116	4.2	17
94	Modeling Methane Emissions from Rice Fields: Variability, Uncertainty, and Sensitivity Analysis of Processes Involved. <i>Nutrient Cycling in Agroecosystems</i> , <b>2000</b> , 58, 231-248	3.3	17
93	Health Risks of Polybrominated Diphenyl Ethers (PBDEs) and Metals at Informal Electronic Waste Recycling Sites. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	16
92	Upscaling methane emissions from rice paddies: Problems and possibilities. <i>Global Biogeochemical Cycles</i> , <b>2002</b> , 16, 14-1-14-12	5.9	16
91	Diffusive gas transport through flooded rice systems. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20861-20873	15	
90	A Review of Remote Sensing Challenges for Food Security with Respect to Salinity and Drought Threats. <i>Remote Sensing</i> , <b>2021</b> , 13, 6	5	15
89	Mind the Gap between ecosystem services classification and strategic decision making. <i>Ecosystem Services</i> , <b>2018</b> , 33, 77-88	6.1	15

88	Are ecophysiological adaptive traits decoupled from leaf economics traits in wetlands?. <i>Functional Ecology</i> , <b>2019</b> , 33, 1202-1210	5.6	14
87	Nutrient limitation reduces land carbon uptake in simulations with a model of combined carbon, nitrogen and phosphorus cycling		14
86	An integrated framework to assess impacts on ecosystem services in LCA demonstrated by a case study of mining in Chile. <i>Ecosystem Services</i> , <b>2018</b> , 30, 211-219	6.1	14
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24	Do we (need to) care about canopy radiation schemes in DGVMs? An evaluation and assessment study		2
23	Global Root Traits (GRooT) Database		2
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