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## 2015

Voortman, B.R., R.P. Bartholomeus, P.M. van Bodegom, H. Gooren, S.E.A.T.M. van der Zee and J.-P.M. Witte, 2014. Unsaturated hydraulic properties of xerophilous mosses: towards implementation of moss covered soils in hydrological models. *Hydrol. Process* 28: 6251-6264

Rozema, J., D. Cornelisse, Y. Zhang, H. Li, B. Bruning, D. Katschnig, R. Broekman, B. Ji and P. van Bodegom, 2015. Comparing salt tolerance of beet cultivars and their halophytic ancestor: consequences of domestication and breeding programmes. *AoB plants* 7: plu083

Olivares, I., J.-C. Svenning, P.M. van Bodegom, and H. Balslev (2015) Effects of warming and drought on the vegetation and plant diversity in the Amazon basin. *Botanical Review* 81: 42-69

Witte, J.P.M., R.P. Bartholomeus, P.M. van Bodegom, D.G. Cirkel, R. van Ek, Y. Fujita, G.M.C.M. Janssen, T.J. Spek and H. Runhaar (2015) A probabilistic eco-hydrological model to predict the effects of climate change on natural vegetation at a regional scale. *Landscape Ecology* (in press)

van der Knaap, Y.A.M., M. de Graaf, R. van Ek, J.-P.M. Witte, R. Aerts, M.F.P. Bierkens, P.M. van Bodegom (2015). Potential impacts of groundwater conservation measures on catchment-wide vegetation patterns in a future climate. *Landscape Ecology* (in press)

Note: This paper was awarded a honorable mentioning at the international conference Deltas in Times of Climate Change in Rotterdam

## 2014

Roelofsen H.D., H.D., L. Kooistra, P.M. van Bodegom, J. Verrelst, J. Krol, J.P.M. Witte, 2014. Mapping a priori defined plant associations using remotely sensed vegetation characteristics. *Remote Sensing of Environment* 140:639-651

Serna-Chavez, H.M., C.J.E. Schulp, P.M. van Bodegom, W. Bouten, P.H. Verburg and M.D. Davidson, 2014. A quantitative framework for assessing spatial flows of ecosystem services. *Ecol. Indicators* 39: 24-33

Fujita, Y. H. Olde Venterink, P.M. van Bodegom, J.C. Douma, G.W. Heil, N. Holzel, E. Jablonska, W. Kotowski, T. Okruszko, P. Pawlikowski, P.C. de Ruiter and M.J. Wassen, 2014. Low investment in sexual reproduction threatens plants adapted to phosphorus limitation. *Nature* 505: 82-86  
Note: received the second prize of the Best Paper Award 2015 of the Netherlands Annual Ecology Meeting 2015 (10-11 Feb in Lunteren, NL).

Weedon, J.T., R. Aerts, G.A. Kowalchuk, P.M. van Bodegom, 2014. No effects of experimental warming but contrasting seasonal patterns for soil peptidase and glycosidase enzymes in a sub-arctic peat bog. *Biogeochemistry* 117: 55-66

Cirkel, D.G., J.P.M. Witte, P.M. van Bodegom, J. J. Nijp and S.E.A.T.M. van der Zee, 2014. The influence of spatiotemporal variability and adaptations to hypoxia on empirical relationships between soil acidity and vegetation. *Ecohydrology* 7: 21-32

Ringeval, B., S. Houweling, P. M. van Bodegom, R. Spahni, R. van Beek, F. Joos, and T. Röckmann, 2014. Methane emissions from floodplains in the Amazon Basin: challenges in developing a process-based model for global applications. *Biogeosci* 11: 1519-1558

Röling, W.F.M., and P.M. van Bodegom, 2014. Towards quantitative understanding on microbial community structure and functioning: a modeling-centered approach using degradation of marine oil spills as example. *Frontiers in Microbiology* 5:125

Roelofsen, H.D., P.M. van Bodegom, L. Kooistra and J.P.M. Witte, 2014. Predicting leaf traits of herbaceous species from their spectral characteristics. *Ecol. Evol.* 4: 706-711

Loew, A., P.M. van Bodegom, J.-L. Widłowski, J. Otto, T. Quaipe, B. Pinty, and T. Raddatz, 2014. Do we (need to) care about canopy radiation schemes in DGVMs? Caveats and potential impacts. *Biogeosci.* 11: 1873-1197

van Bodegom, P.M., J. Verboom, J.P.M. Witte, C.C. Vos, R.P. Bartholomeus, W. Geertsema, A. Cormont, M. van der Veen, R. Aerts, 2014. Synthesis of ecosystem vulnerability to climate change in the Netherlands shows the need to consider environmental fluctuations in adaptation measures. *Regional Environ. Change* 14: 933-942

Krause, S., X. le Roux, P.A. Niklaus, P.M. van Bodegom, J.T. Lennon, S. Bertilsson, H-P. Grossart, L. Phillipot and P.L.E. Bodelier, 2014. Trait-based approaches for understanding microbial biodiversity and ecosystem functioning. *Frontiers Microbiology* 5: 251

Fujita, Y., J.-P.M. Witte and P.M. van Bodegom, 2014. Incorporating microbial ecology concepts into global soil mineralization models to improve predictions of carbon and nitrogen fluxes. *Global Biogeochem. Cycl.* 28: 223-238

Krause, S., P.M. van Bodegom, W.K. Cornwell and P.L.E. Bodelier, 2014. Weak phylogenetic signal in physiological traits of methane-oxidizing bacteria. *J. Evol. Biol.* 27: 1240-1247

van der Knaap, Y.A.M., R. Aerts and P.M. van Bodegom, 2014. Is the differential response of riparian plant performance to extreme drought and inundation events related to differences in intraspecific trait variation? *Func. Plant Biol.* 41: 609-619

Wullschleger, S.D., H.E. Epstein, E.O. Box, E.S. Euskirchen, S. Goswami, C.M. Iversen, J. Kattge, R.J. Norby, P.M. van Bodegom and Xiaofeng Xu, 2014. Plant functional types in Earth system models: past experiences and future directions for application of dynamic vegetation models in high-latitude ecosystems. *Ann. Bot.* 114:1-16

van Bodegom, P.M., J.C. Douma, and L.M. Verheijen, 2014. A fully traits-based approach to modeling global vegetation distribution. *Proc. Natl. Acad. Sci.* 111: 13733-13738

Moles, A.T., S.E. Perkins, S.W. Laffan, H. Flores-Moreno, M. Awasthy, M.L. Tindall, L. Sack, A. Pitman, J. Kattge, L.W. Aarssen, M. Anand, M. Bahn, B. Blonder, J. Cavender-Bares, J.H.C. Cornelissen, W.K. Cornwell, S. Diaz, J.B. Dickie, G.T. Freschet, J.G. Griffiths, A.G. Gutierrez, F.A. Hemmings, T. Hickler, T.D. Hitchcock, M. Keighery, M. Kleyer, H. Kurokawa, M.R. Leishman, K. Liu, U. Niinemets, V. Onipchenko, Y. Onoda, J. Penuelas, V.D. Pillar, P.B. Reich, S. Shiodera, A. Siefert, E.E. Sosinski, N.A. Soudzilovskaia, E.K. Swaine, N.G. Swenson, P.M. van Bodegom, L. Warman, E. Weiher, I.J. Wright, H. Zhang, M. Zobel & S.P. Bonser 2014. Which is a better predictor of plant traits: temperature or precipitation? *J. Veg. Sci.* 25: 1167–1180

Madani N., J.S. Kimball, D.L.R. Affleck, J. Kattge, J. Graham, P.M. van Bodegom, P.B. Reich, and S.W. Running (2014) Improving ecosystem productivity modeling through spatially explicit estimation of optimal light use efficiency. *J. Geophys. Res. Biogeosciences* 119: 1755-1769

## 2013

Melton, J.R., R. Wania, E.L. Hodson, B. Poulter, B. Ringeval, R. Spahni, T. Bohn, C.A. Avis, D.J. Beerling, G. Chen, A.V. Eliseev, S.N. Denisov, P.O. Hopcroft, D.P. Lettenmaier, W.J. Riley, J.S. Singarayer, Z.M. Subin, H. Tian, S. Zurcher, V. Brovkin, P.M. van Bodegom, T. Kleinen, Z.C. Yu, and J.O. Kaplan, 2013. Present state of global wetland extent and wetland methane modelling: Conclusions from a model intercomparison project (WETCHIMP). *Biogeosciences* 10: 753-788

Weedon J.T., R. Aerts, G.A. Kowalchuk, R. van Logtestijn, D. Andringa and P.M. van Bodegom, 2013. Temperature sensitivity of peatland C and N cycling: does substrate supply play a role? *Soil Biol. Biochem.* 61: 109-120

Wania, R., J.R. Melton, E.L. Hodson, B. Poulter, B. Ringeval, R. Spahni, T. Bohn, C.A. Avis, G. Chen, A.V. Eliseev, P.O. Hopcroft, W.J. Riley, Z.M. Subin, H. Tian, P. M. van Bodegom, T. Kleinen, Z.C. Yu, J.S. Singarayer, S. Zurcher, D.P. Lettenmaier, D.J. Beerling, S.N. Denisov, C. Prigent, F. Papa, and J.O. Kaplan, 2013. Present state of global wetland extent and wetland methane modelling: methodology of a model inter-comparison project (WETCHIMP). *Geosci. Model Dev.* 6: 617–641

Fujita, Y., P.M. van Bodegom, H. Olde Venterink, H. Runhaar, J.P.M. Witte, 2013. Towards a proper integration of hydrology in predicting soil nitrogen mineralization rates along natural moisture gradients. *Soil Biol. Biochem.* 58: 302-312

Verheijen, L.M., V. Brovkin, R. Aerts, G. Bonisch, J.H.C. Cornelissen, J. Kattge, P.B. Reich, I.J. Wright, and P.M. van Bodegom, 2013. Impacts of trait variation through observed trait–climate relationships on performance of an Earth system model: a conceptual analysis. *Biogeosciences* 10:5497-5515

Serna-Chávez, H.M., N. Fierer and P.M. van Bodegom, 2013. Global drivers and patterns of microbial abundance in soil. *Global Ecol. Biogeogr.* 22: 1162-1172

Roelofsen, H.D., P.M. van Bodegom, L. Kooistra and J.P.M. Witte, 2013. Trait estimation in herbaceous plant assemblages from in situ canopy spectra. *Remote Sensing* 5: 6323-6345

Soudzilovskaia, N.A., J.H.C. Cornelissen and P.M. van Bodegom, 2013. Dominant bryophyte control over high-latitude soil temperature fluctuations predicted by heat transfer traits, field moisture regime and laws of thermal insulation. *Func Ecol.* 27: 1442-1454

Fujita, Y., P.M. van Bodegom and J.P.M. Witte, 2013. Relationships between nutrient-related plant traits and combinations of soil N and P fertility measures. *PlosOne* 8 (12): e83735

## 2012

Weedon, J.T., G.A. Kowalchuk, R. Aerts, J. van Hal, R. van Logtestijn, N. Taş, W.F.M. Röling, P. M. van Bodegom, 2012. Summer warming accelerates sub-arctic peatland nitrogen cycling without changing enzyme pools or microbial community structure. *Global Change Biology* 18: 138-150

van Ommen Kloeke, A.E.E, J.C. Douma, J.C Ordoñez, P.B. Reich and P.M. van Bodegom, 2012. Global quantification of contrasting leaf life span strategies for deciduous and evergreen species in response to environmental conditions. *Global Ecology and Biogeography* 21: 224-235.

Brovkin, V., P. M. van Bodegom, T. Kleinen, C. Wirth, W. K. Cornwell, J. H. C. Cornelissen, and J. Kattge, 2012. Plant-driven variation in decomposition rates improves projections of global litter stock distribution. *Biogeosciences* 9: 565-576

Douma, J.C., J.-P.M. Witte, R. Aerts, R.P. Bartholomeus, J.C. Ordoñez, H. Olde Venterink, M.J. Wassen and P.M. van Bodegom, 2012. Towards a functional basis for predicting vegetation patterns; incorporating plant traits in habitat distribution models. *Ecography* 35: 294-305

Douma, J.C., R. Aerts, J. P. M. Witte, R. M. Bekker, D. Kunzmann, K. Metselaar & P. M. van Bodegom, 2012. A combination of functionally different plant traits provides a means to quantitatively predict a broad range of species assemblages in NW Europe. *Ecography* 35: 364-373

Douma, J.C., M.W.A. de Haan, R. Aerts, J.P.M. Witte and P.M. van Bodegom, 2012. 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* 100: 366-380.

Douma, J.C., B. Shipley, J.P.M. Witte, R. Aerts, and P.M. van Bodegom, 2012. Disturbance and resource availability act differently on the same suite of plant traits; revisiting assembly hypotheses. *Ecology* 93: 825-835

Van Bodegom, P.M., J.C. Douma, J.P.M. Witte, J.C. Ordoñez, R.P. Bartholomeus and R. Aerts, 2012. Going beyond limitations of plant functional types when predicting global ecosystem-atmosphere fluxes: exploring the merits of traits-based approaches. *Global Ecology and Biogeography* 21: 625-636.

Makkonen, M., M.P. Berg, I.T. Handa, S. Hattenschwiler, J. van Ruijven, P.M. van Bodegom and R. Aerts, 2012. Highly consistent effects of plant litter identity and functional traits on decomposition across a latitudinal gradient. *Ecol. Lett.* 15: 1033-1041

Keuper, F., F-J.W. Parmentier, D. Blok, P.M. van Bodegom, E. Dorrepaal, J. van Hal, R. van Logtestijn and R. Aerts, 2012. Tundra in the rain: differential vegetation responses to three years of experimentally doubled summer-precipitation in Siberian shrub and Swedish bog tundra. *Ambio* 41 (suppl 3): 269-280

Goll, D.S., V. Brovkin, B. R. Parida, C.H. Reick, J. Kattge, P.B. Reich, P. M. van Bodegom, and U. Niinemets 2012. Nutrient limitation reduces land carbon uptake in simulations with a model of combined carbon, nitrogen and phosphorus cycling. *Biogeosciences* 9: 3547-3569

Aerts, R., P.M. van Bodegom, J.H.C. Cornelissen, 2012. Litter stoichiometric traits of plant species of high latitude ecosystems show high responsiveness upon global change without causing strong variation in litter decomposition. *New Phytol.* 196: 181-188

Laughlin, D.C. C. Joshi, P.M. van Bodegom, Z.A. Bastow and P.Z. Fule, 2012. A predictive model of community assembly that incorporates intraspecific trait variation. *Ecol. Lett.* 15: 1291-1299  
Note: Based on this paper, an interview was placed in *National Geographic*

Leewis, L., P.M. van Bodegom, J. Rozema, G.M. Janssen, 2012. Does beach nourishment have long-term effects on intertidal macro invertebrate species abundance? *Estuarine, Coastal and Shelf Science* 113:172-181

Witte, J.P.M., J. Runhaar, R. van Ek, D.C.J. van der Hoek, R.P. Bartholomeus, O. Batelaan, P.M. van Bodegom, M.J. Wassen, and S.E.A.T.M. van der Zee, 2012. An ecohydrological sketch of climate change impacts on water and natural ecosystems for the Netherlands: bridging the gap between science and society. *Hydrol. Earth Syst. Sci.* 16: 3945–3957

Bartholomeus, R.P., Witte, J.P.M., van Bodegom, P.M., van Dam, J.C., de Becker, P. & Aerts, R. 2012. Process-based proxy of oxygen stress surpasses indirect ones in predicting vegetation characteristics. *Ecohydrology* 5: 746-758

Buizer, B., S. Weijers, P.M. van Bodegom, I. Greve Alsos, P. Bronken Eidesen, J. van Breda, M. de Korte, J. van Rijkevorsel and J. Rozema, 2012. 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. *Environ. Res. Lett.* 7 (2): 025501 doi:10.1088/1748-9326/7/2/025501

Keuper, F., P.M. van Bodegom, E. Dorrepaal, J.T. Weedon, J. van Hal, R.S.P. van Logtestijn and R. Aerts, 2012. A Frozen Feast: Thawing permafrost increases plant-available nitrogen in subarctic peatlands. *Global Change Biol.* 18: 1998-2007

Douma, J.C., V. Bardin, R.P. Bartholomeus and P.M. van Bodegom, 2012. Quantifying the functional responses of vegetation to drought and oxygen stress in temperate ecosystems. *Func. Ecol.* 26: 1355-1365.

## 2011

Weedon, J.T., R. Aerts, G.A. Kowalchuk and P.M. van Bodegom, 2011. Enzymology under global change: organic nitrogen turnover in alpine and sub-Arctic soils. *Biochem. Soc. Trans.* 39: 309-314.

Keuper, F., E. Dorrepaal, P.M. van Bodegom, R. Aerts, R.S.P. van Logtestijn, T.V. Callaghan and J.H.C. Cornelissen, 2011. A Race for Space? How *Sphagnum fuscum* stabilizes vegetation composition during long-term climate manipulations. *Global Change Biology* 17: 2162-2171

Rietkerk, M., V. Brovkin, P.M. van Bodegom, M. Claussen, S.C. Dekker, H.A. Dijkstra, S.V. Goryachkin, P. Kabat, E.H. van Nes, A.-M. Neutel, S.E. Nicholson, C. Nobre, V. Petoukhov, A. Provenzale, M. Scheffer & S.I. Seneviratne, 2011. Local ecosystem feedbacks and critical transitions in the climate. *Ecological Complexity* 8: 223-228

Freschet, G.T. , A.T. C. Dias, D.D. Ackerly, R. Aerts , P.M. van Bodegom, W.K. Cornwell, M. Dong, H. Kurokawa , G. Liu, V.G. Onipchenko, J.C. Ordoñez, D.A. Peltzer , S.J. Richardson, I.I. Shidakov, N.A. Soudzilovskaia, J. Tao and J.H.C. Cornelissen, 2011. Global to community scale differences in the prevalence of convergent over divergent leaf trait distributions in plant assemblages. *Global Ecology and Biogeography* 20: 755-765.

Kattge, J., S. Díaz, S. Lavorel, I.C. Prentice, P. Leadley, G. Bönnisch, E. Garnier, M. Westoby, P.B. Reich, I.J. Wright, J.H.C. Cornelissen, C. Violle, S.P. Harrison, P.M. van Bodegom, M. Reichstein, N.A. Soudzilovskaia et al., 2011. TRY- a global database of plant traits. *Global Change Biology* 17: 2905-2935

Note: This paper is the most cited paper in GCB in 2013.

Bartholomeus, R. P., F. Witte, P. M. van Bodegom, J.C. Van Dam, and R. Aerts, 2011. Climate change threatens endangered plant species by stronger and interacting water-related stresses, *J. Geophys. Res.* 116: G04023 (doi:10.1029/2011JG001693)



## 2010

Ordoñez, J.C., P.M. van Bodegom, J-P.M. Witte, R.P. Bartholomeus, J.R. van Hal, R. Aerts, 2010. Plant strategies in relation to resource supply in mesic to wet environments: does theory mirror nature? *Am. Nat.* 175 (2): 225-239

Pereira, A.A., B. van Hattum, J. de Boer, P.M. van Bodegom, C.E. Rezende, W. Salomons, 2010, Trace elements and carbon and nitrogen stable isotopes in organisms from a tropical coastal lagoon. *Arch. Environ. Contam. Tox.* 59: 464-477

Pancotto, V.A., P.M. van Bodegom, J. van Hal, R.S.P. van Logtestijn, P. Blokker, S. Toet and R. Aerts, 2010. Indirect effects of N deposition and elevated CO<sub>2</sub> on methane emissions through litter chemistry contrast direct effects. *J. Geophys. Res.-biogeosciences* 115: G02001

Ordoñez, J.C., P.M. van Bodegom, J-P.M. Witte, R.P. Bartholomeus, H.F. van Dobben and R. Aerts, 2010. Leaf habit and woodiness regulate different leaf economy traits at a given nutrient supply. *Ecology* 91: 3218-3228.

## 2009

Ordoñez, J.C., P.M. van Bodegom, J-P.M. Witte, I.J. Wright, P.B. Reich and R. Aerts, 2009. A global study of relationships between leaf traits, climate and soil measures of nutrient fertility. *Global Ecology and Biogeography* 18: 137-149

Note: This paper received the 'Willem Koerselman' award for the KWR-publication with most citations

Gutierrez-Chacon, C., M.C. Zuniga, P.M. van Bodegom, J. Chara and L.P. Giraldo, 2009. Rove beetles (Coleoptera: Staphylinidae) in Neotropical riverine landscapes: characterising their distribution. *Insect Conservation and Diversity* 2: 106-115

van Dijk, J., W. Didden, F. Kuenen, P.M. van Bodegom, H. Verhoef and R. Aerts, 2009. Can differences in soil community composition after peat meadow restoration lead to different decomposition and mineralization rates? *Soil Biol. Biochem.* 41: 1717-1725

## 2008

van Bodegom, P.M., B.K. Sorrell, A. Oosthoek, C. Bakker and R. Aerts, 2008. Separating the effects of partial submergence and soil oxygen demand on plant physiology and growth upon flooding. *Ecology* 89: 93-104

Bartholomeus, R.P., J-P.M. Witte, P.M. van Bodegom and R. Aerts, 2008. The need of data harmonization to derive robust empirical relationships between soil conditions and vegetation. *J. Veg. Sci.* 19: 799-808.

Bokhorst, S., A. Huiskes, P. Convey, P.M. van Bodegom and R. Aerts, 2008. Climate change effects on soil arthropod communities from the Falkland Islands and the Maritime Antarctic. *Soil Biol. Biochem.* 40:1547-1556

Pereira, A.A., B. van Hattum, A. Brouwer, P.M. van Bodegom, C.E. Rezende, and W. Salomons, 2008. Effects of iron-ore mining and processing on metal bioavailability in a tropical coastal lagoon. *J. Soils Sediments* 8: 239-252

Cornwell, W.K., J.H.C. Cornelissen, K. Amatangelo, E. Dorrepaal, V.T. Eviner, O. Godoy, S.E. Hobbie, B. Hoorens, H. Kurokawa, N. Perez Harguindeguy, H.M. Quested, L.S. Santiago, D.A. Wardle, I.J. Wright, R. Aerts, S. Allison, P.M. van Bodegom, V. Brovkin, A. Chatain, T. Callaghan, S. Díaz, E. Garnier, D.E. Gurvich, E. Kazakou, J.A. Klein, J. Read, P.B. Reich, N.A. Soudzilovskaia, M.V. Vaieretti, and M. Westoby, 2008. Plant species traits are the predominant control on litter decomposition rates within biomes worldwide. *Ecol. Lett.* 11: 1065-1071

Bartholomeus, R.P., J-P.M. Witte, P.M. van Bodegom, J.C. van Dam and R. Aerts, 2008. Critical soil conditions for oxygen stress to plant roots: substituting the Feddes-function by a process-based model. *J. Hydrol.* 360: 147-165

Note: Based on this paper, R.P. Bartholomeus received the three-yearly hydrology price of the Dutch Hydrological Society ()

## 2007

Bakker, C., P.M. van Bodegom, H.J.M. Nelissen, R. Aerts and W.H.O. Ernst, 2007. Preference of wet dune species for waterlogged conditions can be explained by adaptations and specific recruitment requirements. *Aquat. Bot.* 86: 37-45

Houtman, C.J., P. Booij, K.M. van der Valk, P.M. van Bodegom, F. van der Ende, A.A.M. Gerritsen, M.H. Lamoree, J. Legler and A. Brouwer, 2007. Biomonitoring of estrogenic exposure and identification of responsible compounds in bream from Dutch surface waters. *Environ. Tox. Chem.* 26: 898-907

van Bodegom, P.M., 2007. Microbial maintenance; a critical review on its quantification. *Microbial Ecology* 53: 513-523

Cornelissen J.H.C., P.M. van Bodegom, R. Aerts, T.V. Callaghan, R.S.P. van Logtestijn, J. Alatalo, F.S. Chapin, R. Gerdo, J. Gudmundsson, D. Gwynn-Jones, A.E. Hartley, D.S. Hik, A. Hofgaard, I.S. Jónsdóttir, S. Karlsson, J.A. Klein, J. Laundre, B. Magnusson, A. Michelsen, U. Molau, V.G. Onipchenko, H.M. Quested, S.M. Sandvik, I.K. Schmidt, G.R. Shaver, B. Solheim, N.A. Soudzilovskaia, A. Stenström, A. Tolvanen, Ø. Totland, N. Wada, J.M. Welker, X. Zhao and M.O.L. Team, 2007. Global negative vegetation feedback to climate warming responses of leaf litter decomposition rates in cold biomes. *Ecol. Lett.* 10: 619-627

van Dijk, J., M. Stroetenga, P.M. van Bodegom and R. Aerts, 2007. The contribution of rewetting to vegetation restoration of degraded peat meadows. *Appl. Veg. Sci.* 10: 315-324

## 2006

Verburg, P.H., P.M. van Bodegom, H.A.C. Denier van der Gon, A. Bergsma and N. van Breemen, 2006. Upscaling of greenhouse gas emission for regional emission strength estimates: Methods, uncertainties and prospects. *Plant Ecology* 182: 89-106 Note also published in: *Plants and climate change*. Rozema, J., R. Aerts and H. Cornelissen (eds.) *Tasks for vegetation science* 41, Springer, Dordrecht, pp. 89-106

Bakker, C., P.M. van Bodegom, H.J.M. Nelissen, W.H.O. Ernst and R. Aerts, 2006. Plant responses to rising water tables and nutrient management in calcareous dune slacks. *Plant Ecology* 185: 19-28

van Bodegom, P.M., A. Oosthoek, R. Broekman, C. Bakker and R. Aerts, 2006. Raising groundwater differentially affects mineralization and plant species abundance in dune slacks. *Ecological Applications* 16(5): 1785-1795

van Bodegom, P.M., Grootjans, A.P., Sorrell, B.K., Bekker, R.M., Bakker, C. and Ozinga, W.A., 2006. Plant traits in response to raising groundwater levels in wetland restoration: evidence from three case studies. *Appl. Veg. Sci.* 9: 251-260

Libourel, I.G.L., P.M. van Bodegom, M.D. Fricker, and R.G. Ratcliffe, 2006. Nitrite reduces cytoplasmic acidosis under anoxia. *Plant Phys.* 142: 1710-1717

## 2005

de Bakker, N.V.J., P.M. van Bodegom, W.H. van de Poll, P. Boelen, E. Nat, J. Rozema and R. Aerts, 2005. Is UV-B radiation affecting charophycean algae in shallow freshwater systems? *New Phytologist* 166: 957-966

van Bodegom, P.M., M. de Kanter, C. Bakker and R. Aerts, 2005. Radial oxygen loss, a plastic property of dune slack plant species. *Plant and Soil* 271: 351-364

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