

# Frank Berendse

## List of Publications by Year in descending order

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Version: 2024-02-01

112  
papers

12,631  
citations

19608

61  
h-index

26548

107  
g-index

113  
all docs

113  
docs citations

113  
times ranked

13148  
citing authors

#	ARTICLE	IF	CITATIONS
1	A matter of time: Recovery of plant species diversity in wild plant communities at declining nitrogen deposition. <i>Diversity and Distributions</i> , 2021, 27, 1180-1193.	1.9	16
2	Experimental light at night has a negative long-term impact on macro-moth populations. <i>Current Biology</i> , 2020, 30, R694-R695.	1.8	36
3	Agriculture intensification reduces plant taxonomic and functional diversity across European arable systems. <i>Functional Ecology</i> , 2020, 34, 1448-1460.	1.7	39
4	Soil heterogeneity and plant species diversity in experimental grassland communities: contrasting effects of soil nutrients and pH at different spatial scales. <i>Plant and Soil</i> , 2019, 442, 497-509.	1.8	26
5	High-resolution peat volume change in a northern peatland: Spatial variability, main drivers, and impact on ecohydrology. <i>Ecohydrology</i> , 2019, 12, e2114.	1.1	14
6	Lost in diversity: the interactions between soil-borne fungi, biodiversity and plant productivity. <i>New Phytologist</i> , 2018, 218, 542-553.	3.5	160
7	Spatial heterogeneity in plant-soil feedbacks alters competitive interactions between two grassland plant species. <i>Functional Ecology</i> , 2018, 32, 2085-2094.	1.7	24
8	Density-dependency and plant-soil feedback: former plant abundance influences competitive interactions between two grassland plant species through plant-soil feedbacks. <i>Plant and Soil</i> , 2018, 428, 441-452.	1.8	20
9	Including hydrological self-regulating processes in peatland models: Effects on peatmoss drought projections. <i>Science of the Total Environment</i> , 2017, 580, 1389-1400.	3.9	26
10	A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes. <i>Global Change Biology</i> , 2017, 23, 4946-4957.	4.2	259
11	Embryo dune development drivers: beach morphology, growing season precipitation, and storms. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1733-1744.	1.2	44
12	Thaw pond development and initial vegetation succession in experimental plots at a Siberian lowland tundra site. <i>Plant and Soil</i> , 2017, 420, 147-162.	1.8	19
13	Above- and below-ground responses of four tundra plant functional types to deep soil heating and surface soil fertilization. <i>Journal of Ecology</i> , 2017, 105, 947-957.	1.9	49
14	Factors underlying farmers' intentions to perform unsubsidised agri-environmental measures. <i>Land Use Policy</i> , 2016, 59, 207-216.	2.5	124
15	The role of summer precipitation and summer temperature in establishment and growth of dwarf shrub <i>Betula nana</i> in northeast Siberian tundra. <i>Polar Biology</i> , 2016, 39, 1245-1255.	0.5	24
16	Seasonal changes and vertical distribution of root standing biomass of graminoids and shrubs at a Siberian tundra site. <i>Plant and Soil</i> , 2016, 407, 55-65.	1.8	49
17	Effects of grass field margin management on food availability for Black-tailed Godwit chicks. <i>Journal for Nature Conservation</i> , 2016, 29, 45-50.	0.8	7
18	Artificial night lighting disrupts sex pheromone in a noctuid moth. <i>Ecological Entomology</i> , 2015, 40, 401-408.	1.1	69

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19	Diversity effects on root length production and loss in an experimental grassland community. <i>Functional Ecology</i> , 2015, 29, 1560-1568.	1.7	31
20	Artificial light at night inhibits mating in a Geometrid moth. <i>Insect Conservation and Diversity</i> , 2015, 8, 282-287.	1.4	106
21	Food Availability for Meadow Bird Families in Grass Field Margins. <i>Ardea</i> , 2015, 103, 17-26.	0.3	5
22	Loss of Plant Species Diversity Reduces Soil Erosion Resistance. <i>Ecosystems</i> , 2015, 18, 881-888.	1.6	222
23	Collective agri-environment schemes: How can regional environmental cooperatives enhance farmers' intentions for agri-environment schemes?. <i>Land Use Policy</i> , 2015, 42, 759-766.	2.5	73
24	Experimental illumination of natural habitat—an experimental set-up to assess the direct and indirect ecological consequences of artificial light of different spectral composition. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140129.	1.8	120
25	Permafrost collapse after shrub removal shifts tundra ecosystem to a methane source. <i>Nature Climate Change</i> , 2015, 5, 67-70.	8.1	147
26	How Does Tree Density Affect Water Loss of Peatlands? A Mesocosm Experiment. <i>PLoS ONE</i> , 2014, 9, e91748.	1.1	23
27	Do Field Margins Enrich the Diet of the Eurasian Skylark ( <i>Alauda arvensis</i> ) on Intensive Farmland?. <i>Ardea</i> , 2014, 102, 161-174.	0.3	9
28	Can frequent precipitation moderate the impact of drought on peatmoss carbon uptake in northern peatlands?. <i>New Phytologist</i> , 2014, 203, 70-80.	3.5	57
29	Artificial light at night causes diapause inhibition and sex-specific life history changes in a moth. <i>Ecology and Evolution</i> , 2014, 4, 2082-2089.	0.8	151
30	Species traits influence ground beetle responses to farm and landscape level agricultural intensification in Europe. <i>Journal of Insect Conservation</i> , 2014, 18, 837-846.	0.8	31
31	Habitat use and diet of Skylarks ( <i>Alauda arvensis</i> ) wintering in an intensive agricultural landscape of the Netherlands. <i>Journal of Ornithology</i> , 2014, 155, 507-518.	0.5	26
32	Consequences of biodiversity loss for litter decomposition across biomes. <i>Nature</i> , 2014, 509, 218-221.	13.7	600
33	The effectiveness of ditch banks as dispersal corridor for plants in agricultural landscapes depends on species dispersal traits. <i>Biological Conservation</i> , 2014, 171, 91-98.	1.9	24
34	Plant species richness promotes soil carbon and nitrogen stocks in grasslands without legumes. <i>Journal of Ecology</i> , 2014, 102, 1163-1170.	1.9	220
35	Temporal effects of agri-environment schemes on ditch bank plant species. <i>Basic and Applied Ecology</i> , 2013, 14, 289-297.	1.2	13
36	Predicting ecosystem stability from community composition and biodiversity. <i>Ecology Letters</i> , 2013, 16, 617-625.	3.0	251

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37	Leaf litter quality drives litter mixing effects through complementary resource use among detritivores. <i>Oecologia</i> , 2013, 173, 269-280.	0.9	90
38	Response of ground-nesting farmland birds to agricultural intensification across Europe: Landscape and field level management factors. <i>Biological Conservation</i> , 2012, 152, 74-80.	1.9	86
39	Agricultural intensification and biodiversity partitioning in European landscapes comparing plants, carabids, and birds. , 2011, 21, 1772-1781.		221
40	Recovery of plant species richness during long-term fertilization of a species-rich grassland. <i>Ecology</i> , 2011, 92, 1393-1398.	1.5	53
41	Mixed effects of organic farming and landscape complexity on farmland biodiversity and biological control potential across Europe. <i>Journal of Applied Ecology</i> , 2011, 48, 570-579.	1.9	205
42	Macro-detritivore identity drives leaf litter diversity effects. <i>Oikos</i> , 2011, 120, 1092-1098.	1.2	77
43	Taxonomic and functional diversity of farmland bird communities across Europe: effects of biogeography and agricultural intensification. <i>Biodiversity and Conservation</i> , 2011, 20, 3663-3681.	1.2	34
44	Landscape composition influences farm management effects on farmland birds in winter: A pan-European approach. <i>Agriculture, Ecosystems and Environment</i> , 2010, 139, 571-577.	2.5	51
45	Field Simulation of Global Change: Transplanting Northern Bog Mesocosms Southward. <i>Ecosystems</i> , 2010, 13, 712-726.	1.6	47
46	Plant species richness regulates soil respiration through changes in productivity. <i>Oecologia</i> , 2010, 163, 805-813.	0.9	67
47	Effects of litters with different concentrations of phenolics on the competition between <i>Calluna vulgaris</i> and <i>Deschampsia flexuosa</i> . <i>Plant and Soil</i> , 2010, 327, 131-141.	1.8	19
48	Methane emissions in two drained peat agro-ecosystems with high and low agricultural intensity. <i>Plant and Soil</i> , 2010, 329, 509-520.	1.8	68
49	Persistent negative effects of pesticides on biodiversity and biological control potential on European farmland. <i>Basic and Applied Ecology</i> , 2010, 11, 97-105.	1.2	1,039
50	Travelling to a former sea floor: colonization of forests by understorey plant species on land recently reclaimed from the sea. <i>Journal of Vegetation Science</i> , 2010, 21, 167-176.	1.1	2
51	Plant-soil interactions in the expansion and native range of a poleward shifting plant species. <i>Global Change Biology</i> , 2010, 16, 380-385.	4.2	75
52	Diversity enhances community recovery, but not resistance, after drought. <i>Journal of Ecology</i> , 2010, 98, 81-86.	1.9	227
53	Unveiling below-ground species abundance in a biodiversity experiment: a test of vertical niche differentiation among grassland species. <i>Journal of Ecology</i> , 2010, 98, 1117-1127.	1.9	219
54	Decreased summer water table depth affects peatland vegetation. <i>Basic and Applied Ecology</i> , 2009, 10, 330-339.	1.2	124

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55	Photosynthetic performance in <i>Sphagnum</i> transplanted along a latitudinal nitrogen deposition gradient. <i>Oecologia</i> , 2009, 159, 705-715.	0.9	68
56	Effects of competition on root-shoot allocation in <i>Plantago lanceolata</i> L.: adaptive plasticity or ontogenetic drift?. <i>Plant Ecology</i> , 2009, 201, 567-573.	0.7	55
57	The effect of nutrient supply and light intensity on tannins and mycorrhizal colonisation in Dutch heathland ecosystems. <i>Plant Ecology</i> , 2009, 201, 661-675.	0.7	33
58	Response of <i>Sphagnum</i> species mixtures to increased temperature and nitrogen availability. <i>Plant Ecology</i> , 2009, 204, 97-111.	0.7	43
59	Interactive effects of water table and precipitation on net CO <sub>2</sub> assimilation of three co-occurring <i>Sphagnum</i> mosses differing in distribution above the water table. <i>Global Change Biology</i> , 2009, 15, 680-691.	4.2	104
60	The angiosperm radiation revisited, an ecological explanation for Darwin's "abominable mystery". <i>Ecology Letters</i> , 2009, 12, 865-872.	3.0	118
61	Do meadow birds profit from agri-environment schemes in Dutch agricultural landscapes?. <i>Biological Conservation</i> , 2009, 142, 2949-2953.	1.9	41
62	The effect of temperature on growth and competition between <i>Sphagnum</i> species. <i>Oecologia</i> , 2008, 156, 155-167.	0.9	94
63	Long-term effects of climate change on vegetation and carbon dynamics in peat bogs. <i>Journal of Vegetation Science</i> , 2008, 19, 307-320.	1.1	85
64	The effect of increased temperature and nitrogen deposition on decomposition in bogs. <i>Oikos</i> , 2008, 117, 1258-1268.	1.2	60
65	Reconciling complexity with stability in naturally assembling food webs. <i>Nature</i> , 2007, 449, 599-602.	13.7	328
66	Reduced plant-soil feedback of plant species expanding their range as compared to natives. <i>Journal of Ecology</i> , 2007, 95, 1050-1057.	1.9	131
67	Direct and indirect effects of the most widely implemented Dutch agri-environment schemes on breeding waders. <i>Journal of Applied Ecology</i> , 2006, 44, 70-80.	1.9	83
68	The Nitrogen Cycle in Boreal Peatlands. , 2006, , 195-230.		69
69	Short-term and long-term effects of tannins on nitrogen mineralisation and litter decomposition in kauri ( <i>Agathis australis</i> (D. Don) Lindl.) forests. <i>Plant and Soil</i> , 2006, 287, 337-345.	1.8	32
70	Plant species as predictors of soil pH: Replacing expert judgement with measurements. <i>Journal of Vegetation Science</i> , 2005, 16, 461-470.	1.1	88
71	Diversity-productivity relationships: Initial effects, long-term patterns, and underlying mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 695-700.	3.3	335
72	Diversity of symbiotic root endophytes of the Helotiales in ericaceous plants and the grass, <i>Deschampsia flexuosa</i> . <i>Studies in Mycology</i> , 2005, 53, 147-162.	4.5	78

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73	Plant species as predictors of soil pH: Replacing expert judgement with measurements. , 2005, 16, 461.		5
74	Interactions between spatially separated herbivores indirectly alter plant diversity. Ecology Letters, 2004, 8, 30-37.	3.0	46
75	Ecological Effectiveness of Agri-Environment Schemes in Different Agricultural Landscapes in The Netherlands. Conservation Biology, 2004, 18, 775-786.	2.4	177
76	Changes in soil and vegetation during dune slack succession. Journal of Vegetation Science, 2004, 15, 209-218.	1.1	49
77	Plant species identity and diversity effects on different trophic levels of nematodes in the soil food web. Oikos, 2004, 106, 576-586.	1.2	356
78	How Phosphorus Availability Affects the Impact of Nitrogen Deposition on Sphagnum and Vascular Plants in Bogs. Ecosystems, 2004, 7, 793-804.	1.6	128
79	Declining Biodiversity in Agricultural Landscapes and the Effectiveness of Agri-environment Schemes. Ambio, 2004, 33, 499-502.	2.8	87
80	The interaction between epiphytic algae, a parasitic fungus and Sphagnum as affected by N and P. Oikos, 2003, 103, 59-68.	1.2	43
81	How litter quality affects mass loss and N loss from decomposing Sphagnum. Oikos, 2003, 103, 537-547.	1.2	128
82	Positive effects of plant species diversity on productivity in the absence of legumes. Ecology Letters, 2003, 6, 170-175.	3.0	168
83	Diversity reduces invasibility in experimental plant communities: the role of plant species. Ecology Letters, 2003, 6, 910-918.	3.0	180
84	N deposition affects N availability in interstitial water, growth of Sphagnum and invasion of vascular plants in bog vegetation. New Phytologist, 2003, 157, 339-347.	3.5	151
85	Effects of Increased Nitrogen Deposition on the Distribution of <sup>15</sup> N-labeled Nitrogen between Sphagnum and Vascular Plants. Ecosystems, 2002, 5, 500-508.	1.6	57
86	Competition between Sphagnum magellanicum and Eriophorum angustifolium as affected by raised CO <sub>2</sub> and increased N deposition. Oikos, 2002, 97, 415-425.	1.2	52
87	Response of a Sphagnum bog plant community to elevated CO <sub>2</sub> and N supply. Plant Ecology, 2002, 162, 123-134.	0.7	37
88	Effects of elevated CO <sub>2</sub> and vascular plants on evapotranspiration in bog vegetation. Global Change Biology, 2001, 7, 817-827.	4.2	44
89	Raised atmospheric CO <sub>2</sub> levels and increased N deposition cause shifts in plant species composition and production in Sphagnum bogs. Global Change Biology, 2001, 7, 591-598.	4.2	307
90	Effects of elevated carbon dioxide and increased nitrogen deposition on bog vegetation in the Netherlands. Journal of Ecology, 2001, 89, 268-279.	1.9	115

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91	The effect of plant species on soil nitrogen mineralization. <i>Journal of Ecology</i> , 2001, 89, 555-561.	1.9	90
92	Effects of nutrients and shade on tree-grass interactions in an East African savanna. <i>Journal of Vegetation Science</i> , 2001, 12, 579-588.	1.1	153
93	Plant species and nutritional-mediated control over rhizodeposition and root decomposition. <i>Plant and Soil</i> , 2001, 228, 191-200.	1.8	87
94	Agri-environment schemes do not effectively protect biodiversity in Dutch agricultural landscapes. <i>Nature</i> , 2001, 413, 723-725.	13.7	526
95	SOIL NUTRIENT HETEROGENEITY ALTERS COMPETITION BETWEEN TWO PERENNIAL GRASS SPECIES. <i>Ecology</i> , 2001, 82, 2534-2546.	1.5	174
96	SOIL NUTRIENT HETEROGENEITY ALTERS COMPETITION BETWEEN TWO PERENNIAL GRASS SPECIES. , 2001, 82, 2534.		12
97	Title is missing!. <i>Plant Ecology</i> , 2000, 148, 51-59.	0.7	26
98	Plant-Herbivore Interaction and Its Consequences for Succession in Wetland Ecosystems: A Modeling Approach. <i>Ecosystems</i> , 1999, 2, 122-138.	1.6	31
99	MODEL ANALYSIS OF THE EFFECTS OF HISTORIC CO2LEVELS AND NITROGEN INPUTS ON VEGETATION SUCCESSION. , 1999, 9, 920-935.		16
100	Effects of Dominant Plant Species on Soils during Succession in Nutrient-poor Ecosystems. <i>Biogeochemistry</i> , 1998, 42, 73-88.	1.7	168
101	Root morphological plasticity and nutrient acquisition of perennial grass species from habitats of different nutrient availability. <i>Oecologia</i> , 1998, 115, 351-358.	0.9	175
102	Impacts of Elevated Carbon Dioxide and Temperature on a Boreal Forest Ecosystem (CLIMEX Project). <i>Ecosystems</i> , 1998, 1, 345-351.	1.6	55
103	Litter Decomposability -- A Neglected Component of Plant Fitness. <i>Journal of Ecology</i> , 1994, 82, 187.	1.9	179
104	Experimental manipulation of succession in heathland ecosystems. <i>Oecologia</i> , 1994, 100-100, 38-44.	0.9	74
105	Competition between Plant Populations at Low and High Nutrient Supplies. <i>Oikos</i> , 1994, 71, 253.	1.2	86
106	Competition in Heathland along an Experimental Gradient of Nutrient Availability. <i>Oikos</i> , 1990, 57, 310.	1.2	181
107	Competition and Nutrient Availability in Heathland and Grassland Ecosystems. , 1990, , 93-116.		139
108	The effect of increased nutrient availability on vegetation dynamics in wet heathlands. <i>Plant Ecology</i> , 1988, 76, 63-69.	1.2	279

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109	The effect of lignin and nitrogen on the decomposition of litter in nutrient-poor ecosystems: a theoretical approach. <i>Canadian Journal of Botany</i> , 1987, 65, 1116-1120.	1.2	86
110	Energy or nutrient regulation of decomposition: Implications for the mineralization-immobilization response to perturbations. <i>Soil Biology and Biochemistry</i> , 1984, 16, 63-67.	4.2	92
111	Competition between plant populations with different rooting depths. <i>Oecologia</i> , 1982, 53, 50-55.	0.9	114
112	Competition between plant populations with different rooting depths II. Pot experiments. <i>Oecologia</i> , 1981, 48, 334-341.	0.9	79