Mari Moora

List of Publications by Year
in descending order

126 papers	12,529 citations	38742 50 h-index	26613 107 g-index
130 all docs	130 docs citations	130 times ranked	12416 citing authors

#	Article	IF	Citations
1	Mycorrhizal symbiosis alleviates plant water deficit within and across generations via phenotypic plasticity. Journal of Ecology, 2022, 110, 262-276.	4.0	11
2	Toward a functionâ€first framework to make soil microbial ecology predictive. Ecology, 2022, 103, e03594.	3.2	19
3	Plant diversity but not productivity is associated with community mycorrhization in temperate grasslands. Journal of Vegetation Science, 2022, 33, .	2.2	2
4	Global taxonomic and phylogenetic assembly of AM fungi. Mycorrhiza, 2022, 32, 135-144.	2.8	14
5	Deciphering the role of specialist and generalist plantâ€“microbial interactions as drivers of plantâ€“soil feedback. New Phytologist, 2022, 234, 1929-1944.	7.3	63
6	Structure and function of the soil microbiome underlying N2O emissions from global wetlands. Nature Communications, 2022, 13, 1430.	12.8	72
7	Global soil microbiomes: A new frontline of biomeâ€ecology research. Global Ecology and Biogeography, 2022, 31, 1120-1132.	5.8	19
8	Dominance, diversity, and niche breadth in arbuscular mycorrhizal fungal communities. Ecology, 2022, 103, e3761.	3.2	11
9	Light availability and light demand of plants shape the arbuscular mycorrhizal fungal communities in their roots. Ecology Letters, 2021, 24, 426-437.	6.4	20
10	Global macroecology of nitrogenâ€fixing plants. Global Ecology and Biogeography, 2021, 30, 514-526.	5.8	16
11	Distribution of plant mycorrhizal traits along an elevational gradient does not fully mirror the latitudinal gradient. Mycorrhiza, 2021, 31, 149-159.	2.8	13
12	Userâ€friendly bioinformatics pipeline gDAT (graphical downstream analysis tool) for analysing rDNA sequences. Molecular Ecology Resources, 2021, 21, 1380-1392.	4.8	27
13	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. New Phytologist, 2021, 231, 763-776.	7.3	126
14	Towards a consistent benchmark for plant mycorrhizal association databases. New Phytologist, 2021, 231, 913-916.	7.3	12
15	Woody encroachment in grassland elicits complex changes in the functional structure of aboveâ€•and belowground biota. Ecosphere, 2021, 12, e03512.	2.2	14
16	Fine-root traits in the global spectrum of plant form and function. Nature, 2021, 597, 683-687.	27.8	102
17	Arbuscular Mycorrhizal Fungal Communities in the Soils of Desert Habitats. Microorganisms, 2021, 9, 229.	3.6	19
18	Arbuscular mycorrhizal fungi promote small-scale vegetation recovery in the forest understorey. Oecologia, 2021, 197, 685-697.	2.0	1

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19	Asymmetric patterns of global diversity among plants and mycorrhizal fungi. Journal of Vegetation Science, 2020, 31, 355-366.	2.2	20
20	Not a melting pot: Plant species aggregate in their nonâ€native range. Global Ecology and Biogeography, 2020, 29, 482-490.	5.8	16
21	Different wheat cultivars exhibit variable responses to inoculation with arbuscular mycorrhizal fungi from organic and conventional farms. PLoS ONE, 2020, 15, e0233878.	2.5	29
22	Plant functional groups associate with distinct arbuscular mycorrhizal fungal communities. New Phytologist, 2020, 226, 1117-1128.	7.3	69
23	DarkDivNet â€" A global research collaboration to explore the dark diversity of plant communities. Journal of Vegetation Science, 2019, 30, 1039-1043.	2.2	9
24	Responses of plant community mycorrhization to anthropogenic influence depend on the habitat and mycorrhizal type. Oikos, 2019, 128, 1565-1575.	2.7	4
25	Arbuscular mycorrhizal fungal community composition determines the competitive response of two grassland forbs. PLoS ONE, 2019, 14, e0219527.	2.5	8
26	Misdiagnosis and uncritical use of plant mycorrhizal data are not the only elephants in the room. New Phytologist, 2019, 224, 1415-1418.	7.3	32
27	How do arbuscular mycorrhizal fungi travel?. New Phytologist, 2019, 222, 645-647.	7.3	16
28	Facultative mycorrhizal associations promote plant naturalization worldwide. Ecosphere, 2019, 10, e02937.	2.2	16
29	Nonâ€random association patterns in a plantâ€"mycorrhizal fungal network reveal hostâ€"symbiont specificity. Molecular Ecology, 2019, 28, 365-378.	3.9	81
30	Conceptual differences lead to divergent trait estimates in empirical and taxonomic approaches to plant mycorrhizal trait assignment. Mycorrhiza, 2019, 29, 1-11.	2.8	28
31	Anthropogenic disturbance equalizes diversity levels in arbuscular mycorrhizal fungal communities. Global Change Biology, 2018, 24, 2649-2659.	9.5	32
32	The role of plant mycorrhizal type and status in modulating the relationship between plant and arbuscular mycorrhizal fungal communities. New Phytologist, 2018, 220, 1236-1247.	7.3	68
33	Ancient environmental DNA reveals shifts in dominant mutualisms during the lateÂQuaternary. Nature Communications, 2018, 9, 139.	12.8	24
34	Niche differentiation and expansion of plant species are associated with mycorrhizal symbiosis. Journal of Ecology, 2018, 106, 254-264.	4.0	86
35	Host preference and network properties in biotrophic plantâ€"fungal associations. New Phytologist, 2018, 217, 1230-1239.	7.3	107
36	Soybean cultivation supports a diverse arbuscular mycorrhizal fungal community in central Argentina. Applied Soil Ecology, 2018, 124, 289-297.	4.3	22

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37	Widely distributed native and alien plant species differ in arbuscular mycorrhizal associations and related functional trait interactions. Ecography, 2018, 41, 1583-1593.	4.5	9
38	Microbial island biogeography: isolation shapes the life history characteristics but not diversity of root-symbiotic fungal communities. ISME Journal, 2018, 12, 2211-2224.	9.8	55
39	Arbuscular mycorrhizal fungal communities in tropical rain forest are resilient to slash-and-burn agriculture. Journal of Tropical Ecology, 2018, 34, 186-199.	1.1	17
40	Plant mycorrhizal status, but not type, shifts with latitude and elevation in Europe. Global Ecology and Biogeography, 2017, 26, 690-699.	5.8	84
41	Historical biome distribution and recent human disturbance shape the diversity of arbuscular mycorrhizal fungi. New Phytologist, 2017, 216, 227-238.	7.3	66
42	Increased sequencing depth does not increase captured diversity of arbuscular mycorrhizal fungi. Mycorrhiza, 2017, 27, 761-773.	2.8	58
43	Arbuscular mycorrhizal fungal communities in forest plant roots are simultaneously shaped by host characteristics and canopy-mediated light availability. Plant and Soil, 2017, 410, 259-271.	3.7	38
44	Arbuscular mycorrhizal fungi communities from tropical Africa reveal strong ecological structure. New Phytologist, 2017, 213, 380-390.	7.3	96
45	Mycorrhizal status helps explain invasion success of alien plant species. Ecology, 2017, 98, 92-102.	3.2	77
46	Sequence variation in nuclear ribosomal small subunit, internal transcribed spacer and large subunit regions of <i>Rhizophagus irregularis</i> and <i>Gigaspora margarita</i> is high and isolateâ€dependent. Molecular Ecology, 2016, 25, 2816-2832.	3.9	64
47	Impact of alien pines on local arbuscular mycorrhizal fungal communitiesâ€"evidence from two continents. FEMS Microbiology Ecology, 2016, 92, fiw073.	2.7	41
48	Symbiont dynamics during ecosystem succession: co-occurring plant and arbuscular mycorrhizal fungal communities. FEMS Microbiology Ecology, 2016, 92, fiw097.	2.7	67
49	Arbuscular mycorrhizal fungi associating with roots of Alnus and Rubus in Europe and the Middle East. Fungal Ecology, 2016, 24, 27-34.	1.6	12
50	Dispersal of arbuscular mycorrhizal fungi and plants during succession. Acta Oecologica, 2016, 77, 128-135.	1.1	41
51	AM fungal communities inhabiting the roots of submerged aquatic plant Lobelia dortmanna are diverse and include a high proportion of novel taxa. Mycorrhiza, 2016, 26, 735-745.	2.8	28
52	Distribution patterns of arbuscular mycorrhizal and non-mycorrhizal plant species in Germany. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 21, 78-88.	2.7	30
53	Response to Comment on â€œWorldwide evidence of a unimodal relationship between productivity and plant species richnessâ€• Science, 2016, 351, 457-457.	12.6	5
54	Hierarchical assembly rules in arbuscular mycorrhizal (AM) fungal communities. Soil Biology and Biochemistry, 2016, 97, 63-70.	8.8	73

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55	Plant community mycorrhization in temperate forests and grasslands: relations with edaphic properties and plant diversity. Journal of Vegetation Science, 2016, 27, 89-99.	2.2	45
56	Response to Comment on â€œGlobal assessment of arbuscular mycorrhizal fungus diversity reveals very low endemismâ€. Science, 2016, 351, 826-826.	12.6	17
57	Disjunct populations of <scp>E</scp>uropean vascular plant species keep the same climatic niches. Global Ecology and Biogeography, 2015, 24, 1401-1412.	5.8	39
58	Worldwide evidence of a unimodal relationship between productivity and plant species richness. Science, 2015, 349, 302-305.	12.6	315
59	Global assessment of arbuscular mycorrhizal fungus diversity reveals very low endemism. Science, 2015, 349, 970-973.	12.6	644
60	Soil Nutrient Content Influences the Abundance of Soil Microbes but Not Plant Biomass at the Small-Scale. PLoS ONE, 2014, 9, e91998.	2.5	60
61	Anthropogenic land use shapes the composition and phylogenetic structure of soil arbuscular mycorrhizal fungal communities. FEMS Microbiology Ecology, 2014, 90, 609-621.	2.7	138
62	DNA-based detection and identification of Glomeromycota: the virtual taxonomy of environmental sequences. Botany, 2014, 92, 135-147.	1.0	170
63	Mycorrhizal traits and plant communities: perspectives for integration. Journal of Vegetation Science, 2014, 25, 1126-1132.	2.2	76
64	Root-colonizing and soil-borne communities of arbuscular mycorrhizal fungi in a temperate forest understorey. Botany, 2014, 92, 277-285.	1.0	86
65	Species richness of arbuscular mycorrhizal fungi: associations with grassland plant richness and biomass. New Phytologist, 2014, 203, 233-244.	7.3	256
66	Fifty thousand years of Arctic vegetation and megafaunal diet. Nature, 2014, 506, 47-51.	27.8	505
67	Global sampling of plant roots expands the described molecular diversity of arbuscular mycorrhizal fungi. Mycorrhiza, 2013, 23, 411-430.	2.8	280
68	Mycorrhizas in the Central European flora: relationships with plant life history traits and ecology. Ecology, 2013, 94, 1389-1399.	3.2	150
69	Plant species distributions along environmental gradients: do belowground interactions with fungi matter?. Frontiers in Plant Science, 2013, 4, 500.	3.6	38
70	Local temperatures inferred from plant communities suggest strong spatial buffering of climate warming across <scp>N</scp>orthern <scp>E</scp>urope. Global Change Biology, 2013, 19, 1470-1481.	9.5	200
71	Arbuscular Mycorrhizal Fungal Networks Vary throughout the Growing Season and between Successional Stages. PLoS ONE, 2013, 8, e83241.	2.5	58
72	Inter- and intrasporal nuclear ribosomal gene sequence variation within one isolate of arbuscular mycorrhizal fungus, Diversispora sp.. Symbiosis, 2012, 58, 135-147.	2.3	22

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73	Missing nodes and links in mycorrhizal networks. New Phytologist, 2012, 194, 304-306.	7.3	37
74	Pollinator community responses to the spatial population structure of wild plants: A pan-European approach. Basic and Applied Ecology, 2012, 13, 489-499.	2.7	28
75	Effects of arbuscular mycorrhiza on community composition and seedling recruitment in temperate forest understory. Basic and Applied Ecology, 2012, 13, 663-672.	2.7	27
76	Temperate forest understorey species performance is altered by local arbuscular mycorrhizal fungal communities from stands of different successional stages. Plant and Soil, 2012, 356, 331-339.	3.7	32
77	Ecological assembly rules in plant communitiesâ€"approaches, patterns and prospects. Biological Reviews, 2012, 87, 111-127.	10.4	717
78	Grassland diversity under changing productivity and the underlying mechanisms â€" results of a 10â€yr experiment. Journal of Vegetation Science, 2012, 23, 919-930.	2.2	16
79	Plant species richness belowground: higher richness and new patterns revealed by nextâ€generation sequencing. Molecular Ecology, 2012, 21, 2004-2016.	3.9	105
80	Communities of Arbuscular Mycorrhizal Fungi Detected in Forest Soil Are Spatially Heterogeneous but Do Not Vary throughout the Growing Season. PLoS ONE, 2012, 7, e41938.	2.5	150
81	Alien plants associate with widespread generalist arbuscular mycorrhizal fungal taxa: evidence from a continental-scale study using massively parallel 454 sequencing. Journal of Biogeography, 2011, 38, 1305-1317.	3.0	137
82	Species abundance distributions and richness estimations in fungal metagenomics - lessons learned from community ecology. Molecular Ecology, 2011, 20, 275-285.	3.9	158
83	Forces that structure plant communities: quantifying the importance of the mycorrhizal symbiosis. New Phytologist, 2011, 189, 366-370.	7.3	149
84	Arbuscular mycorrhizal fungal communities in plant roots are not random assemblages. FEMS Microbiology Ecology, 2011, 78, 103-115.	2.7	183
85	Species-Specific Effects of Woody Litter on Seedling Emergence and Growth of Herbaceous Plants. PLoS ONE, 2011, 6, e26505.	2.5	26
86	Identifying and prioritising services in European terrestrial and freshwater ecosystems. Biodiversity and Conservation, 2010, 19, 2791-2821.	2.6	146
87	Establishment of a cross-European field site network in the ALARM project for assessing large-scale changes in biodiversity. Environmental Monitoring and Assessment, 2010, 164, 337-348.	2.7	10
88	Florivores decrease pollinator visitation in a self-incompatible plant. Basic and Applied Ecology, 2010, 11, 669-675.	2.7	25
89	Multiple stressors on biotic interactions: how climate change and alien species interact to affect pollination. Biological Reviews, 2010, 85, 777-795.	10.4	259
90	The online database Maarj<i>AM</i> reveals global and ecosystemic distribution patterns in arbuscular mycorrhizal fungi (Glomeromycota). New Phytologist, 2010, 188, 223-241.	7.3	857

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91	Clonal mobility and its implications for spatio-temporal patterns of plant communities: what do we need to know next?. Oikos, 2010, 119, 802-806.	2.7	52
92	Positive association between understory species richness and a dominant shrub species (Corylus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.2	27
93	Rooting theories of plant community ecology in microbial interactions. Trends in Ecology and Evolution, 2010, 25, 468-478.	8.7	666
94	Arbuscular Mycorrhizae and Plantâ€"Plant Interactions. , 2010, , 79-98.		36
95	Differential effect of arbuscular mycorrhizal fungal communities from ecosystems along management gradient on the growth of forest understorey plant species. Soil Biology and Biochemistry, 2009, 41, 2141-2146.	8.8	49
96	Contrasting effects of plant population size on florivory and pollination. Basic and Applied Ecology, 2009, 10, 737-744.	2.7	14
97	Understory plant diversity is related to higher variability of vegetative mobility of coexisting species. Oecologia, 2009, 159, 355-361.	2.0	28
98	Largeâ€scale parallel 454 sequencing reveals host ecological group specificity of arbuscular mycorrhizal fungi in a boreonemoral forest. New Phytologist, 2009, 184, 424-437.	7.3	481
99	Alien species in a warmer world: risks and opportunities. Trends in Ecology and Evolution, 2009, 24, 686-693.	8.7	1,031
100	Vegetation Change in Boreonemoral Forest during Succession â€" Trends in Species Composition, Richness and Differentiation Diversity. Annales Botanici Fennici, 2009, 46, 326-335.	0.1	29
101	Conservation of the Endemic Fern Lineage Diellia (Aspleniaceae) on the Hawaiian Islands: Can Population Structure Indicate Regional Dynamics and Endangering Factors?. Folia Geobotanica, 2008, 43, 3-18.	0.9	17
102	Reintroduction of a Rare Plant (<i>Gladiolus imbricatus</i>) Population to a River Floodplainâ€"How Important is Meadow Management?. Restoration Ecology, 2008, 16, 382-385.	2.9	19
103	High diversity of arbuscular mycorrhizal fungi in a boreal herbâ€rich coniferous forest. New Phytologist, 2008, 179, 867-876.	7.3	149
104	Spatial pattern and species richness of boreonemoral forest understorey and its determinantsâ€"A comparison of differently managed forests. Forest Ecology and Management, 2007, 250, 64-70.	3.2	47
105	Soil seed bank and vegetation in mixed coniferous forest stands with different disturbance regimes. Forest Ecology and Management, 2007, 250, 71-76.	3.2	56
106	Monitoring of Biological Diversity: a Common-Ground Approach. Conservation Biology, 2007, 21, 313-317.	4.7	38
107	Optimal management of the rare Gladiolus imbricatus in Estonian coastal meadows indicated by its population structure. Applied Vegetation Science, 2007, 10, 161-168.	1.9	15
108	Biodiversity and ecosystem functioning: It is time for dispersal experiments. Journal of Vegetation Science, 2006, 17, 543-547.	2.2	40

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109	Composition of root-colonizing arbuscular mycorrhizal fungal communities in different ecosystems around the globe. Journal of Ecology, 2006, 94, 778-790.	4.0	470
110	Competitive responses of the rare Viola elatior and the common Viola mirabilis. Plant Ecology, 2006, 184, 105-110.	1.6	12
111	Biodiversity and ecosystem functioning: It is time for dispersal experiments. Journal of Vegetation Science, 2006, 17, 543.	2.2	5
112	Population stage structure of Hawaiian endemic fern taxa of Diellia (Aspleniaceae): implications for monitoring and regional dynamics. Canadian Journal of Botany, 2004, 82, 1438-1445.	1.1	16
113	Do different competitive abilities of three fern species explain their different regional abundances?. Journal of Vegetation Science, 2004, 15, 351-356.	2.2	23
114	Native arbuscular mycorrhizal fungal communities differentially influence the seedling performance of rare and common Pulsatilla species. Functional Ecology, 2004, 18, 554-562.	3.6	93
115	Divergent arbuscular mycorrhizal fungal communities colonize roots of Pulsatilla spp. in boreal Scots pine forest and grassland soils. New Phytologist, 2003, 160, 581-593.	7.3	149
116	Responses of a rare (Viola elatior) and a common (Viola mirabilis) congeneric species to different management conditions in grassland â€" is different light competition ability responsible for different abundances?. Acta Oecologica, 2003, 24, 169-174.	1.1	26
117	Are invaders disturbanceâ€limited? Conservation of mountain grasslands in Central Argentina. Applied Vegetation Science, 2002, 5, 195-202.	1.9	38
118	Title is missing!. Plant Ecology, 2001, 157, 205-213.	1.6	35
119	IS SMALL-SCALE SPECIES RICHNESS LIMITED BY SEED AVAILABILITY OR MICROSITE AVAILABILITY?. Ecology, 2000, 81, 3274-3282.	3.2	276
120	Small-scale dynamics of plant communities in an experimentally polluted and fungicide-treated subarctic birch-pine forest. Acta Oecologica, 1999, 20, 29-37.	1.1	12
121	Can arbuscular mycorrhiza change the effect of root competition between conspecific plants of different ages?. Canadian Journal of Botany, 1998, 76, 613-619.	1.1	14
122	Can arbuscular mycorrhiza change the effect of root competition between conspecific plants of different ages?. Canadian Journal of Botany, 1998, 76, 613-619.	1.1	28
123	Plant Coexistence in the Interactive Environment: Arbuscular Mycorrhiza Should Not Be out of Mind. Oikos, 1997, 78, 202.	2.7	57
124	Secondary succession and summer herbivory in a subarctic grassland: community structure and diversity. Ecography, 1997, 20, 595-604.	4.5	7
125	Effect of arbuscular mycorrhiza on inter- and intraspecific competition of two grassland species. Oecologia, 1996, 108, 79-84.	2.0	118
126	Interspecific competition and arbuscular mycorrhiza: Importance for the coexistence of two calcareous grassland species. Folia Geobotanica Et Phytotaxonomica, 1995, 30, 223-230.	0.4	26