Marina Semchenko

List of Publications by Year
in descending order

34	3,195	304368	395343
papers	citations	22 h-index	33 g-index

36	36	36	5167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deciphering the role of specialist and generalist plantâ€“microbial interactions as drivers of plantâ€“soil feedback. New Phytologist, 2022, 234, 1929-1944.	3.5	63
2	Dominance, diversity, and niche breadth in arbuscular mycorrhizal fungal communities. Ecology, 2022, 103, e3761.	1.5	11
3	Spatial mapping of root systems reveals diverse strategies of soil exploration and resource contest in grassland plants. Journal of Ecology, 2021, 109, 652-663.	1.9	16
4	Global root traits (GRooT) database. Global Ecology and Biogeography, 2021, 30, 25-37.	2.7	90
5	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. New Phytologist, 2021, 231, 763-776.	3.5	126
6	Are researchers following best storage practices for measuring soil biochemical properties?. Soil, 2021, 7, 95-106.	2.2	7
7	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. Nature Ecology and Evolution, 2021, 5, 1123-1134.	3.4	62
8	An integrated framework of plant form and function: the belowground perspective. New Phytologist, 2021, 232, 42-59.	3.5	153
9	Functional diversity and identity of plant genotypes regulate rhizodeposition and soil microbial activity. New Phytologist, 2021, 232, 776-787.	3.5	24
10	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
11	Constraints on selfish behavior in plants. Science, 2020, 370, 1167-1168.	6.0	3
12	The fungal collaboration gradient dominates the root economics space in plants. Science Advances, 2020, 6, .	4.7	377
13	Grassland belowground feedbacks and climate change. , 2019, , 203-217.		0
14	Manipulation of vegetation with activated carbon reveals the role of root exudates in shaping native grassland communities. Journal of Vegetation Science, 2019, 30, 1056-1067.	1.1	9
15	Soil biota and chemical interactions promote coâ€existence in coâ€evolved grassland communities. Journal of Ecology, 2019, 107, 2611-2622.	1.9	8
16	Drought soil legacy overrides maternal effects on plant growth. Functional Ecology, 2019, 33, 1400-1410.	1.7	25
17	Different sets of belowground traits predict the ability of plant species to suppress and tolerate their competitors. Plant and Soil, 2018, 424, 157-169.	1.8	50
18	Fungal diversity regulates plant-soil feedbacks in temperate grassland. Science Advances, 2018, 4, eaau4578.	4.7	161

#	Article	IF	Citations
19	Spatial heterogeneity in root litter and soil legacies differentially affect legume root traits. Plant and Soil, 2018, 428, 253-264.	1.8	2
20	Microbial island biogeography: isolation shapes the life history characteristics but not diversity of root-symbiotic fungal communities. ISME Journal, 2018, 12, 2211-2224.	4.4	55
21	Intraspecific genetic diversity modulates plantâ€“soil feedback and nutrient cycling. New Phytologist, 2017, 216, 90-98.	3.5	46
22	Plasticity in plant functional traits is shaped by variability in neighbourhood species composition. New Phytologist, 2016, 211, 455-463.	3.5	64
23	Legume presence reduces the decomposition rate of non-legume roots. Soil Biology and Biochemistry, 2016, 94, 88-93.	4.2	22
24	Plant root exudates mediate neighbour recognition and trigger complex behavioural changes. New Phytologist, 2014, 204, 631-637.	3.5	217
25	Plants are least suppressed by their frequent neighbours: the relationship between competitive ability and spatial aggregation patterns. Journal of Ecology, 2013, 101, 1313-1321.	1.9	26
26	Positive effect of shade on plant growth: amelioration of stress or active regulation of growth rate?. Journal of Ecology, 2012, 100, 459-466.	1.9	83
27	Kin recognition is densityâ€dependent and uncommon among temperate grassland plants. Functional Ecology, 2012, 26, 1214-1220.	1.7	62
28	Limited phenotypic plasticity in rangeâ€edge populations: a comparison of coâ€occurring populations of two Agrimonia species with different geographical distributions. Plant Biology, 2011, 13, 177-184.	1.8	31
29	To compete or not to compete: an experimental study of interactions between plant species with contrasting root behaviour. Evolutionary Ecology, 2010, 24, 1433-1445.	0.5	25
30	Foraging for space and avoidance of physical obstructions by plant roots: a comparative study of grasses from contrasting habitats. New Phytologist, 2008, 179, 1162-1170.	3.5	39
31	The Role of Leaf Lobation in Elongation Responses to Shade in the Rosette-forming Forb Serratula tinctoria (Asteraceae). Annals of Botany, 2007, 100, 83-90.	1.4	26
32	Challenging the tragedy of the commons in root competition: confounding effects of neighbour presence and substrate volume. Journal of Ecology, 2007, 95, 252-260.	1.9	110
33	Effects of physical connection and genetic identity of neighbouring ramets on rootâ€placement patterns in two clonal species. New Phytologist, 2007, 176, 644-654.	3.5	117
34	The effect of breeding on allometry and phenotypic plasticity in four varieties of oat (Avena sativa L.). Field Crops Research, 2005, 93, 151-168.	2.3	32