Artur Stefanski

List of Publications by Citations

35 papers	1,617 citations	16 h-index	37 g-index
37 ext. papers	2,069 ext. citations	9.8 avg, IF	4.64 L-index

#	Paper	IF	Citations
35	Advances, challenges and a developing synthesis of ecological community assembly theory. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2403-13	5.8	394
34	Boreal and temperate trees show strong acclimation of respiration to warming. *Nature*, **2016**, 531, 633-6	50.4	153
33	Geographic range predicts photosynthetic and growth response to warming in co-occurring tree species. *Nature Climate Change*, **2015**, 5, 148-152	21.4	142
32	Effects of climate warming on photosynthesis in boreal tree species depend on soil moisture. *Nature*, **2018**, 562, 263-267	50.4	137
31	Early stage litter decomposition across biomes. *Science of the Total Environment*, **2018**, 628-629, 1369-1394	10.2	117
30	Acclimation of photosynthetic temperature optima of temperate and boreal tree species in response to experimental forest warming. *Global Change Biology*, **2015**, 21, 1342-57	11.4	78
29	Reduced feeding activity of soil detritivores under warmer and drier conditions. *Nature Climate Change*, **2018**, 8, 75-78	21.4	70
28	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. *Global Change Biology*, **2012**, 18, 2617-2625	11.4	66
27	Ectomycorrhizal fungal response to warming is linked to poor host performance at the boreal-temperate ecotone. *Global Change Biology*, **2017**, 23, 1598-1609	11.4	65
26	Nematode community shifts in response to experimental warming and canopy conditions are associated with plant community changes in the temperate-boreal forest ecotone. *Oecologia*, **2014**, 175, 713-23	2.9	61
25	Ectomycorrhizal fungal diversity and saprotrophic fungal diversity are linked to different tree community attributes in a field-based tree experiment. *Molecular Ecology*, **2016**, 25, 4032-46	5.7	61
24	Design and performance of combined infrared canopy and belowground warming in the B4WarmED (Boreal Forest Warming at an Ecotone in Danger) experiment. *Global Change Biology*, **2015**, 21, 2334-48	11.4	46
23	Warming alters the energetic structure and function but not resilience of soil food webs. *Nature Climate Change*, **2017**, 7, 895-900	21.4	44
22	Effect of Simulated Climate Warming on the Ectomycorrhizal Fungal Community of Boreal and Temperate Host Species Growing Near Their Shared Ecotonal Range Limits. *Microbial Ecology*, **2018**, 75, 348-363	4.4	21
21	Phenological responses of temperate and boreal trees to warming depend on ambient spring temperatures, leaf habit, and geographic range. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10397-10405	11.5	20
20	Responses of two understory herbs, Maianthemum canadense and Eurybia macrophylla, to experimental forest warming: early emergence is the key to enhanced reproductive output. *American Journal of Botany*, **2015**, 102, 1610-24	2.7	16
19	Warming shifts ‹wormingc effects of experimental warming on invasive earthworms in northern North America. *Scientific Reports*, **2014**, 4, 6890	4.9	15

18	Experimental warming advances phenology of groundlayer plants at the boreal-temperate forest ecotone. *American Journal of Botany*, **2018**, 105, 851-861	2.7	15
17	Is it getting hot in here? Adjustment of hydraulic parameters in six boreal and temperate tree species after 5 years of warming. *Global Change Biology*, **2016**, 22, 4124-4133	11.4	14
16	Surprising lack of sensitivity of biochemical limitation of photosynthesis of nine tree species to open-air experimental warming and reduced rainfall in a southern boreal forest. *Global Change Biology*, **2020**, 26, 746-759	11.4	12
15	Remote spectral detection of biodiversity effects on forest biomass. *Nature Ecology and Evolution*, **2021**, 5, 46-54	12.3	11
14	Some plants like it warmer: Increased growth of three selected invasive plant species in soils with a history of experimental warming. *Pedobiologia*, **2014**, 57, 57-60	1.7	9
13	Consistent leaf respiratory response to experimental warming of three North American deciduous trees: a comparison across seasons, years, habitats and sites. *Tree Physiology*, **2017**, 37, 285-300	4.2	8
12	Biodiversity bottleneck: seedling establishment under changing climatic conditions at the boreal temperate ecotone. *Plant Ecology*, **2018**, 219, 691-704	1.7	7
11	Temperature and leaf nitrogen affect performance of plant species at range overlap. *Ecosphere*, **2015**, 6, art186	3.1	7
10	Phenology matters: Extended spring and autumn canopy cover increases biotic resistance of forests to invasion by common buckthorn (Rhamnus cathartica). *Forest Ecology and Management*, **2020**, 464, 118067	3.9	5
9	Mycorrhizal fungal spore community structure in a manipulated prairie. *Restoration Ecology*, **2018**, 26, 124-133	3.1	5
8	Warming and disturbance alter soil microbiome diversity and function in a northern forest ecotone. *FEMS Microbiology Ecology*, **2020**, 96,	4.3	4
7	Short- and long-term responses of photosynthetic capacity to temperature in four boreal tree species in a free-air warming and rainfall manipulation experiment. *Tree Physiology*, **2021**, 41, 89-102	4.2	4
6	Effects of soil warming history on the performances of congeneric temperate and boreal herbaceous plant species and their associations with soil biota. *Journal of Plant Ecology*, **2016**, rtw066	1.7	3
5	Enhanced light interception and light use efficiency explain overyielding in young tree communities. *Ecology Letters*, **2021**, 24, 996-1006	10	3
4	BII-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. *Research Ideas and Outcomes*,7,	2.5	2
3	Assessing the relevant time frame for temperature acclimation of leaf dark respiration: A test with 10 boreal and temperate species. *Global Change Biology*, **2021**, 27, 2945-2958	11.4	1
2	Species-specific flowering phenology responses to experimental warming and drought alter herbaceous plant species overlap in a temperate-boreal forest community. *Annals of Botany*, **2021**, 127, 203-211	4.1	1
1	Exotics are more complementary over time in tree biodiversity ecosystem functioning experiments. *Functional Ecology*, **2021**, 35, 2550	5.6	0