

Artur Stefanski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Assessing the relevant time frame for temperature acclimation of leaf dark respiration: A test with 10 boreal and temperate species. <i>Global Change Biology</i> , 2021 , 27, 2945-2958	11.4	1
34	Remote spectral detection of biodiversity effects on forest biomass. <i>Nature Ecology and Evolution</i> , 2021 , 5, 46-54	12.3	11
33	Short- and long-term responses of photosynthetic capacity to temperature in four boreal tree species in a free-air warming and rainfall manipulation experiment. <i>Tree Physiology</i> , 2021 , 41, 89-102	4.2	4
32	Species-specific flowering phenology responses to experimental warming and drought alter herbaceous plant species overlap in a temperate-boreal forest community. <i>Annals of Botany</i> , 2021 , 127, 203-211	4.1	1
31	Enhanced light interception and light use efficiency explain overyielding in young tree communities. <i>Ecology Letters</i> , 2021 , 24, 996-1006	10	3
30	Exotics are more complementary over time in tree biodiversity ecosystem functioning experiments. <i>Functional Ecology</i> , 2021 , 35, 2550	5.6	0
29	Warming and disturbance alter soil microbiome diversity and function in a northern forest ecotone. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	4
28	Phenology matters: Extended spring and autumn canopy cover increases biotic resistance of forests to invasion by common buckthorn (<i>Rhamnus cathartica</i>). <i>Forest Ecology and Management</i> , 2020 , 464, 118067	3.9	5
27	Phenological responses of temperate and boreal trees to warming depend on ambient spring temperatures, leaf habit, and geographic range. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10397-10405	11.5	20
26	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. <i>Global Change Biology</i> , 2020 , 26, 746-759	11.4	12
25	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018 , 628-629, 1369-1394	10.42	117
24	Reduced feeding activity of soil detritivores under warmer and drier conditions. <i>Nature Climate Change</i> , 2018 , 8, 75-78	21.4	70
23	Biodiversity bottleneck: seedling establishment under changing climatic conditions at the boreal-temperate ecotone. <i>Plant Ecology</i> , 2018 , 219, 691-704	1.7	7
22	Effect of Simulated Climate Warming on the Ectomycorrhizal Fungal Community of Boreal and Temperate Host Species Growing Near Their Shared Ecotonal Range Limits. <i>Microbial Ecology</i> , 2018 , 75, 348-363	4.4	21
21	Experimental warming advances phenology of groundlayer plants at the boreal-temperate forest ecotone. <i>American Journal of Botany</i> , 2018 , 105, 851-861	2.7	15
20	Mycorrhizal fungal spore community structure in a manipulated prairie. <i>Restoration Ecology</i> , 2018 , 26, 124-133	3.1	5
19	Effects of climate warming on photosynthesis in boreal tree species depend on soil moisture. <i>Nature</i> , 2018 , 562, 263-267	50.4	137

18	Warming alters the energetic structure and function but not resilience of soil food webs. <i>Nature Climate Change</i> , 2017 , 7, 895-900	21.4	44
17	Ectomycorrhizal fungal response to warming is linked to poor host performance at the boreal-temperate ecotone. <i>Global Change Biology</i> , 2017 , 23, 1598-1609	11.4	65
16	Consistent leaf respiratory response to experimental warming of three North American deciduous trees: a comparison across seasons, years, habitats and sites. <i>Tree Physiology</i> , 2017 , 37, 285-300	4.2	8
15	Effects of soil warming history on the performances of congeneric temperate and boreal herbaceous plant species and their associations with soil biota. <i>Journal of Plant Ecology</i> , 2016 , rtw066	1.7	3
14	Is it getting hot in here? Adjustment of hydraulic parameters in six boreal and temperate tree species after 5 years of warming. <i>Global Change Biology</i> , 2016 , 22, 4124-4133	11.4	14
13	Boreal and temperate trees show strong acclimation of respiration to warming. <i>Nature</i> , 2016 , 531, 633-635	50.4	153
12	Ectomycorrhizal fungal diversity and saprotrophic fungal diversity are linked to different tree community attributes in a field-based tree experiment. <i>Molecular Ecology</i> , 2016 , 25, 4032-46	5.7	61
11	Design and performance of combined infrared canopy and belowground warming in the B4WarmED (Boreal Forest Warming at an Ecotone in Danger) experiment. <i>Global Change Biology</i> , 2015 , 21, 2334-48	11.4	46
10	Geographic range predicts photosynthetic and growth response to warming in co-occurring tree species. <i>Nature Climate Change</i> , 2015 , 5, 148-152	21.4	142
9	Responses of two understory herbs, <i>Maianthemum canadense</i> and <i>Eurybia macrophylla</i> , to experimental forest warming: early emergence is the key to enhanced reproductive output. <i>American Journal of Botany</i> , 2015 , 102, 1610-24	2.7	16
8	Temperature and leaf nitrogen affect performance of plant species at range overlap. <i>Ecosphere</i> , 2015 , 6, art186	3.1	7
7	Acclimation of photosynthetic temperature optima of temperate and boreal tree species in response to experimental forest warming. <i>Global Change Biology</i> , 2015 , 21, 1342-57	11.4	78
6	Warming shifts wormingc effects of experimental warming on invasive earthworms in northern North America. <i>Scientific Reports</i> , 2014 , 4, 6890	4.9	15
5	Nematode community shifts in response to experimental warming and canopy conditions are associated with plant community changes in the temperate-boreal forest ecotone. <i>Oecologia</i> , 2014 , 175, 713-23	2.9	61
4	Some plants like it warmer: Increased growth of three selected invasive plant species in soils with a history of experimental warming. <i>Pedobiologia</i> , 2014 , 57, 57-60	1.7	9
3	The effect of experimental warming and precipitation change on proteolytic enzyme activity: positive feedbacks to nitrogen availability are not universal. <i>Global Change Biology</i> , 2012 , 18, 2617-2625	11.4	66
2	Advances, challenges and a developing synthesis of ecological community assembly theory. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 2403-13	5.8	394
1	BII-Implementation: The causes and consequences of plant biodiversity across scales in a rapidly changing world. <i>Research Ideas and Outcomes</i> , 7,	2.5	2

