

# Sonja Wipf

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

9,035  
citations

61984

43  
h-index

91884

69  
g-index

71  
all docs

71  
docs citations

71  
times ranked

10851  
citing authors

#	ARTICLE	IF	CITATIONS
1	The tundra phenology database: more than two decades of tundra phenology responses to climate change. <i>Arctic Science</i> , 2022, 8, 1026-1039.	2.3	7
2	Winters are changing: snow effects on Arctic and alpine tundra ecosystems. <i>Arctic Science</i> , 2022, 8, 572-608.	2.3	43
3	Intraspecific trait variation in alpine plants relates to their elevational distribution. <i>Journal of Ecology</i> , 2022, 110, 860-875.	4.0	21
4	Directional turnover towards larger-ranged plants over time and across habitats. <i>Ecology Letters</i> , 2022, 25, 466-482.	6.4	39
5	High resolution species distribution and abundance models cannot predict separate shrub datasets in adjacent Arctic fjords. <i>Diversity and Distributions</i> , 2022, 28, 956-975.	4.1	0
6	Dimension and impact of biases in funding for species and habitat conservation. <i>Biological Conservation</i> , 2022, 272, 109636.	4.1	23
7	A common soil temperature threshold for the upper limit of alpine grasslands in European mountains. <i>Alpine Botany</i> , 2021, 131, 41-52.	2.4	13
8	Climate Change Affects Vegetation Differently on Siliceous and Calcareous Summits of the European Alps. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	12
9	Phenological and elevational shifts of plants, animals and fungi under climate change in the European Alps. <i>Biological Reviews</i> , 2021, 96, 1816-1835.	10.4	102
10	Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. <i>Biological Conservation</i> , 2021, 263, 109175.	4.1	96
11	Effects of Climate and Atmospheric Nitrogen Deposition on Early to Mid-Term Stage Litter Decomposition Across Biomes. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .	2.3	20
12	Global plant trait relationships extend to the climatic extremes of the tundra biome. <i>Nature Communications</i> , 2020, 11, 1351.	12.8	52
13	SoilTemp: A global database of near-surface temperature. <i>Global Change Biology</i> , 2020, 26, 6616-6629.	9.5	122
14	Complexity revealed in the greening of the Arctic. <i>Nature Climate Change</i> , 2020, 10, 106-117.	18.8	447
15	The Soil Microbiome of GLORIA Mountain Summits in the Swiss Alps. <i>Frontiers in Microbiology</i> , 2019, 10, 1080.	3.5	78
16	Human trampling disturbance exerts different ecological effects at contrasting elevational range limits. <i>Journal of Applied Ecology</i> , 2019, 56, 1389-1399.	4.0	12
17	Twelve years of low nutrient input stimulates growth of trees and dwarf shrubs in the treeline ecotone. <i>Journal of Ecology</i> , 2019, 107, 768-780.	4.0	23
18	Traditional plant functional groups explain variation in economic but not size-related traits across the tundra biome. <i>Global Ecology and Biogeography</i> , 2019, 28, 78-95.	5.8	49

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19	Warming shortens flowering seasons of tundra plant communities. <i>Nature Ecology and Evolution</i> , 2019, 3, 45-52.	7.8	79
20	Early stage litter decomposition across biomes. <i>Science of the Total Environment</i> , 2018, 628-629, 1369-1394.	8.0	177
21	Accelerated increase in plant species richness on mountain summits is linked to warming. <i>Nature</i> , 2018, 556, 231-234.	27.8	580
22	Enough space in a warmer world? Microhabitat diversity and small-scale distribution of alpine plants on mountain summits. <i>Diversity and Distributions</i> , 2018, 24, 252-261.	4.1	49
23	Tundra Trait Team: A database of plant traits spanning the tundra biome. <i>Global Ecology and Biogeography</i> , 2018, 27, 1402-1411.	5.8	57
24	Local trampling disturbance effects on alpine plant populations and communities: Negative implications for climate change vulnerability. <i>Ecology and Evolution</i> , 2018, 8, 7921-7935.	1.9	13
25	Plant functional trait change across a warming tundra biome. <i>Nature</i> , 2018, 562, 57-62.	27.8	451
26	BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786.	5.8	289
27	Two decades of altered snow cover does not affect soil microbial ability to catabolize carbon compounds in an oceanic alpine heath. <i>Soil Biology and Biochemistry</i> , 2018, 124, 101-104.	8.8	9
28	Non-equilibrium in Alpine Plant Assemblages: Shifts in Europe's Summit Floras. <i>Advances in Global Change Research</i> , 2017, , 285-303.	1.6	28
29	Evolutionary potential in the Alpine: trait heritabilities and performance variation of the dwarf willow <i>Salix herbacea</i> from different elevations and microhabitats. <i>Ecology and Evolution</i> , 2016, 6, 3940-3952.	1.9	98
30	The snow and the willows: earlier spring snowmelt reduces performance in the low-lying alpine shrub <i>Salix herbacea</i> . <i>Journal of Ecology</i> , 2016, 104, 1041-1050.	4.0	110
31	Snow cover, freeze-thaw, and the retention of nutrients in an oceanic mountain ecosystem. <i>Ecosphere</i> , 2015, 6, 1-16.	2.2	37
32	Climate sensitivity of shrub growth across the tundra biome. <i>Nature Climate Change</i> , 2015, 5, 887-891.	18.8	447
33	Bud freezing resistance in alpine shrubs across snow depth gradients. <i>Environmental and Experimental Botany</i> , 2015, 118, 95-101.	4.2	20
34	With a little help from my friends: Community facilitation increases performance in the dwarf shrub <i>Salix herbacea</i> . <i>Basic and Applied Ecology</i> , 2015, 16, 202-209.	2.7	59
35	Observation bias and its causes in botanical surveys on high-alpine summits. <i>Journal of Vegetation Science</i> , 2015, 26, 191-200.	2.2	43
36	Methods for measuring arctic and alpine shrub growth: A review. <i>Earth-Science Reviews</i> , 2015, 140, 1-13.	9.1	112

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37	The Response of the Alpine Dwarf Shrub <i>Salix herbacea</i> to Altered Snowmelt Timing: Lessons from a Multi-Site Transplant Experiment. <i>PLoS ONE</i> , 2015, 10, e0122395.	2.5	101
38	Growth and Phenology of Three Dwarf Shrub Species in a Six-Year Soil Warming Experiment at the Alpine Treeline. <i>PLoS ONE</i> , 2014, 9, e100577.	2.5	36
39	Faster, higher, more? Past, present and future dynamics of alpine and arctic flora under climate change. <i>Alpine Botany</i> , 2014, 124, 77-79.	2.4	24
40	Increased spring freezing vulnerability for alpine shrubs under early snowmelt. <i>Oecologia</i> , 2014, 175, 219-229.	2.0	139
41	Management, winter climate and plant-soil feedbacks on ski slopes: a synthesis. <i>Ecological Research</i> , 2014, 29, 583-592.	1.5	20
42	Facilitative plant interactions and climate simultaneously drive alpine plant diversity. <i>Ecology Letters</i> , 2014, 17, 193-202.	6.4	274
43	Soil warming alters microbial substrate use in alpine soils. <i>Global Change Biology</i> , 2014, 20, 1327-1338.	9.5	97
44	Identifying the driving factors behind observed elevational range shifts on European mountains. <i>Global Ecology and Biogeography</i> , 2014, 23, 876-884.	5.8	110
45	Small-scale patterns in snowmelt timing affect gene flow and the distribution of genetic diversity in the alpine dwarf shrub <i>Salix herbacea</i> . <i>Heredity</i> , 2014, 113, 233-239.	2.6	101
46	Alpine cushion plants inhibit the loss of phylogenetic diversity in severe environments. <i>Ecology Letters</i> , 2013, 16, 478-486.	6.4	151
47	Global meta-analysis reveals no net change in local-scale plant biodiversity over time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19456-19459.	7.1	464
48	Elevation gradient of successful plant traits for colonizing alpine summits under climate change. <i>Environmental Research Letters</i> , 2013, 8, 024043.	5.2	95
49	The oldest monitoring site of the Alps revisited: accelerated increase in plant species richness on Piz Linard summit since 1835. <i>Plant Ecology and Diversity</i> , 2013, 6, 447-455.	2.4	84
50	Climate change and extreme events – their impacts on alpine and arctic ecosystem structure and function. <i>Plant Ecology and Diversity</i> , 2013, 6, 303-306.	2.4	6
51	Plot-scale evidence of tundra vegetation change and links to recent summer warming. <i>Nature Climate Change</i> , 2012, 2, 453-457.	18.8	745
52	Evidence of enhanced freezing damage in treeline plants during six years of CO <sub>2</sub> enrichment and soil warming. <i>Oikos</i> , 2012, 121, 1532-1543.	2.7	77
53	Shrub expansion in tundra ecosystems: dynamics, impacts and research priorities. <i>Environmental Research Letters</i> , 2011, 6, 045509.	5.2	1,021
54	Long-term impacts of ski piste management on alpine vegetation and soils. <i>Journal of Applied Ecology</i> , 2011, 48, 906-915.	4.0	54

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55	Growth and community responses of alpine dwarf shrubs to <i>in situ</i> CO <sub>2</sub> enrichment and soil warming. <i>New Phytologist</i> , 2011, 191, 806-818.	7.3	66
56	Using historical plant surveys to track biodiversity on mountain summits. <i>Plant Ecology and Diversity</i> , 2011, 4, 415-425.	2.4	72
57	Plant and vegetation responses to a changing environment: an alpine issue. <i>Botanica Helvetica</i> , 2010, 120, 83-84.	1.1	4
58	Short-term responses of ecosystem carbon fluxes to experimental soil warming at the Swiss alpine treeline. <i>Biogeochemistry</i> , 2010, 97, 7-19.	3.5	111
59	Phenology, growth, and fecundity of eight subarctic tundra species in response to snowmelt manipulations. <i>Plant Ecology</i> , 2010, 207, 53-66.	1.6	137
60	A review of snow manipulation experiments in Arctic and alpine tundra ecosystems. <i>Polar Research</i> , 2010, 29, 95-109.	1.6	316
61	Winter climate change at different temporal scales in <i>Vaccinium myrtillus</i> , an Arctic and alpine dwarf shrub. <i>Polar Research</i> , 2010, 29, 85-94.	1.6	55
62	Winter climate change in alpine tundra: plant responses to changes in snow depth and snowmelt timing. <i>Climatic Change</i> , 2009, 94, 105-121.	3.6	353
63	International Young Scientists™ perspective on global change issues. <i>Climatic Change</i> , 2009, 94, 1-4.	3.6	2
64	Altered Snow Density and Chemistry Change Soil Nitrogen Mineralization and Plant Growth. <i>Arctic, Antarctic, and Alpine Research</i> , 2008, 40, 568-575.	1.1	65
65	Advanced snowmelt causes shift towards positive neighbour interactions in a subarctic tundra community. <i>Global Change Biology</i> , 2006, 12, 1496-1506.	9.5	136
66	Effects of ski piste preparation on alpine vegetation. <i>Journal of Applied Ecology</i> , 2005, 42, 306-316.	4.0	178
67	Effect of low-intensity grazing on the species-rich vegetation of traditionally mown subalpine meadows. <i>Biological Conservation</i> , 2002, 104, 1-11.	4.1	119