

# Matthias Suter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8496500/publications.pdf>

Version: 2024-02-01

37  
papers

1,876  
citations

331670

21  
h-index

330143

37  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive warming-induced carbon loss from subalpine grassland soils in an altitudinal transplantation experiment. <i>Biogeosciences</i> , 2022, 19, 2921-2937.	3.3	6
2	Timing of drought in the growing season and strong legacy effects determine the annual productivity of temperate grasses in a changing climate. <i>Biogeosciences</i> , 2021, 18, 585-604.	3.3	21
3	Multispecies for multifunctions: combining four complementary species enhances multifunctionality of sown grassland. <i>Scientific Reports</i> , 2021, 11, 3835.	3.3	25
4	Subalpine grassland productivity increased with warmer and drier conditions, but not with higher N deposition, in an altitudinal transplantation experiment. <i>Biogeosciences</i> , 2021, 18, 2075-2090.	3.3	6
5	Positive legacy effect of previous legume proportion in a ley on the performance of a following crop of <i>Lolium multiflorum</i> . <i>Plant and Soil</i> , 2020, 447, 497-506.	3.7	12
6	Choosy grazers: Influence of plant traits on forage selection by three cattle breeds. <i>Functional Ecology</i> , 2020, 34, 980-992.	3.6	33
7	Greater gains in annual yields from increased plant diversity than losses from experimental drought in two temperate grasslands. <i>Agriculture, Ecosystems and Environment</i> , 2018, 258, 149-153.	5.3	24
8	Weed suppression greatly increased by plant diversity in intensively managed grasslands: A continental-scale experiment. <i>Journal of Applied Ecology</i> , 2018, 55, 852-862.	4.0	52
9	Species interactions between forbs and grass-clover contribute to yield gains and weed suppression in forage grassland mixtures. <i>Agriculture, Ecosystems and Environment</i> , 2018, 268, 154-161.	5.3	24
10	Higher species richness enhances yield stability in intensively managed grasslands with experimental disturbance. <i>Scientific Reports</i> , 2018, 8, 15047.	3.3	52
11	Grass-legume mixtures sustain strong yield advantage over monocultures under cool maritime growing conditions over a period of 5 years. <i>Annals of Botany</i> , 2018, 122, 337-348.	2.9	23
12	Major shifts in species' relative abundance in grassland mixtures alongside positive effects of species diversity in yield: a continental-scale experiment. <i>Journal of Ecology</i> , 2017, 105, 1210-1222.	4.0	43
13	Weed suppression enhanced by increasing functional trait dispersion and resource capture in forage ley mixtures. <i>Agriculture, Ecosystems and Environment</i> , 2017, 240, 329-339.	5.3	25
14	Nitrogen status of functionally different forage species explains resistance to severe drought and post-drought overcompensation. <i>Agriculture, Ecosystems and Environment</i> , 2017, 236, 312-322.	5.3	84
15	Severe water deficit restricts biomass production of <i>Lolium perenne</i> L. and <i>Trifolium repens</i> L. and causes foliar nitrogen but not carbohydrate limitation. <i>Plant and Soil</i> , 2017, 421, 367-380.	3.7	14
16	Yield of temperate forage grassland species is either largely resistant or resilient to experimental summer drought. <i>Journal of Applied Ecology</i> , 2016, 53, 1023-1034.	4.0	101
17	Gain in Nitrogen Yield from Grass-Legume Mixtures is Robust Over a Wide Range of Legume Proportions and Environmental Conditions. <i>Procedia Environmental Sciences</i> , 2015, 29, 187-188.	1.4	7
18	Nitrogen yield advantage from grass-legume mixtures is robust over a wide range of legume proportions and environmental conditions. <i>Global Change Biology</i> , 2015, 21, 2424-2438.	9.5	135

#	ARTICLE	IF	CITATIONS
19	Do belowground vertical niche differences between deep- and shallow-rooted species enhance resource uptake and drought resistance in grassland mixtures?. <i>Plant and Soil</i> , 2015, 394, 21-34.	3.7	64
20	Testing experimentally the effect of soil resource mobility on plant competition. <i>Journal of Plant Ecology</i> , 2014, 7, 276-286.	2.3	7
21	Convergent succession of plant communities is linked to species' functional traits. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2013, 15, 217-225.	2.7	22
22	An improved model to predict the effects of changing biodiversity levels on ecosystem function. <i>Journal of Ecology</i> , 2013, 101, 344-355.	4.0	56
23	Ecosystem function enhanced by combining four functional types of plant species in intensively managed grassland mixtures: a 3-year continental-scale field experiment. <i>Journal of Applied Ecology</i> , 2013, 50, 365-375.	4.0	247
24	Simulating evolutionary responses of an introgressed insect resistance trait for ecological effect assessment of transgene flow: a model for supporting informed decision-making in environmental risk assessment. <i>Ecology and Evolution</i> , 2013, 3, 416-423.	1.9	5
25	Significance of different types of meadow edges for plant diversity in the Swiss Alps. <i>Agriculture, Ecosystems and Environment</i> , 2012, 153, 75-81.	5.3	4
26	Different types of subalpine grassland respond similarly to elevated nitrogen deposition in terms of productivity and sedge abundance. <i>Journal of Vegetation Science</i> , 2012, 23, 1024-1034.	2.2	24
27	Measures for the control of <i>Senecio aquaticus</i> in managed grassland. <i>Weed Research</i> , 2011, 51, 601-611.	1.7	16
28	Grass-legume mixtures can yield more nitrogen than legume pure stands due to mutual stimulation of nitrogen uptake from symbiotic and non-symbiotic sources. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 155-163.	5.3	281
29	Species identity and negative density dependence lead to convergence in designed plant mixtures of twelve species. <i>Basic and Applied Ecology</i> , 2010, 11, 627-637.	2.7	8
30	Reproductive allocation of <i>Carex flava</i> reacts differently to competition and resources in a designed plant mixture of five species. <i>Plant Ecology</i> , 2009, 201, 481-489.	1.6	4
31	Strong mixture effects among four species in fertilized agricultural grassland led to persistent and consistent transgressive overyielding. <i>Journal of Applied Ecology</i> , 2009, 46, 683-691.	4.0	226
32	Competition alters plant species response to nickel and zinc. <i>Plant and Soil</i> , 2008, 303, 241-251.	3.7	21
33	Occurrence of <i>Senecio aquaticus</i> in relation to grassland management. <i>Applied Vegetation Science</i> , 2008, 11, 317-324.	1.9	18
34	Can the occurrence of <i>Senecio jacobaea</i> be influenced by management practice?. <i>Weed Research</i> , 2007, 47, 262-269.	1.7	22
35	Nitrogen deposition but not ozone affects productivity and community composition of subalpine grassland after 3 yr of treatment. <i>New Phytologist</i> , 2007, 175, 523-534.	7.3	91
36	Convergence patterns and multiple species interactions in a designed plant mixture of five species. <i>Oecologia</i> , 2007, 151, 499-511.	2.0	28

#	ARTICLE	IF	CITATIONS
37	Investigations into the Genetic Variation, Population Structure, and Breeding Systems of the Fern <i>Asplenium trichomanes</i> subsp. <i>quadrivalens</i> . International Journal of Plant Sciences, 2000, 161, 233-244.	1.3	45