Anna Schweiger

List of Publications by Year
in descending order

25 papers	1,171 citations	516710 16 h-index	642732 23 g-index
32 all docs	32 docs citations	32 times ranked	1678 citing authors

#	Article	IF	Citations
1	Remotely detected aboveground plant function predicts belowground processes in two prairie diversity experiments. Ecological Monographs, 2022, 92, e1488.	5.4	19
2	Canopy spectral reflectance detects oak wilt at the landscape scale using phylogenetic discrimination. Remote Sensing of Environment, 2022, 273, 112961.	11.0	24
3	Plant beta-diversity across biomes captured by imaging spectroscopy. Nature Communications, 2022, 13, 2767.	12.8	18
4	Coupling spectral and resource-use complementarity in experimental grassland and forest communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211290.	2.6	9
5	Expanding NEON biodiversity surveys with new instrumentation and machine learning approaches. Ecosphere, 2021, 12, e03795.	2.2	6
6	Harnessing the NEON data revolution to advance open environmental science with a diverse and dataâ€capable community. Ecosphere, 2021, 12, .	2.2	15
7	Partitioning plant spectral diversity into alpha and beta components. Ecology Letters, 2020, 23, 370-380.	6.4	62
8	Foliar Spectra and Traits of Bog Plants across Nitrogen Deposition Gradients. Remote Sensing, 2020, 12, 2448.	4.0	13
9	Foliar sampling with an unmanned aerial system (UAS) reveals spectral and functional trait differences within tree crowns. Canadian Journal of Forest Research, 2020, 50, 966-974.	1.7	11
10	Leaf reflectance spectra capture the evolutionary history of seed plants. New Phytologist, 2020, 228, 485-493.	7.3	72
11	Spectral Field Campaigns: Planning and Data Collection. , 2020, , 385-423.		13
12	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10
13	Detecting prairie biodiversity with airborne remote sensing. Remote Sensing of Environment, 2019, 221, 38-49.	11.0	72
14	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. Remote Sensing of Environment, 2019, 221, 405-416.	11.0	89
15	Remote sensing of biodiversity: Soil correction and data dimension reduction methods improve assessment of Iâ±-diversity (species richness) in prairie ecosystems. Remote Sensing of Environment, 2018, 206, 240-253.	11.0	84
16	Influence of species richness, evenness, and composition on optical diversity: A simulation study. Remote Sensing of Environment, 2018, 211, 218-228.	11.0	53
17	Plant spectral diversity integrates functional and phylogenetic components of biodiversity and predicts ecosystem function. Nature Ecology and Evolution, 2018, 2, 976-982.	7.8	185
18	ISS observations offer insights into plant function. Nature Ecology and Evolution, 2017, 1, 194.	7.8	94

#	Article	IF	Citations
19	Harnessing plant spectra to integrate the biodiversity sciences across biological and spatial scales. American Journal of Botany, 2017, 104, 966-969.	1.7	92
20	How to predict plant functional types using imaging spectroscopy: linking vegetation community traits, plant functional types and spectral response. Methods in Ecology and Evolution, 2017, 8, 86-95.	5.2	82
21	Genetic, morphological, and spectral characterization of relictual Niobrara River hybrid aspens (Populus Ã— smithii). American Journal of Botany, 2017, 104, 1878-1890.	1.7	14
22	Influence of migratory ungulate management on competitive interactions with resident species in a protected area. Ecosphere, 2015, 6, 1-18.	2.2	23
23	Foraging ecology of three sympatric ungulate species â€“ Behavioural and resource maps indicate differences between chamois, ibex and red deer. Movement Ecology, 2015, 3, 6.	2.8	31
24	Using imaging spectroscopy to predict aboveâ€ground plant biomass in alpine grasslands grazed by large ungulates. Journal of Vegetation Science, 2015, 26, 175-190.	2.2	29
25	Small-scale habitat use of black grouse (Tetrao tetrix L.) and rock ptarmigan (Lagopus muta helvetica) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	32