

Anna Schweiger

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,171
citations

516215

16
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

1678
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant spectral diversity integrates functional and phylogenetic components of biodiversity and predicts ecosystem function. <i>Nature Ecology and Evolution</i> , 2018, 2, 976-982.	3.4	185
2	ISS observations offer insights into plant function. <i>Nature Ecology and Evolution</i> , 2017, 1, 194.	3.4	94
3	Harnessing plant spectra to integrate the biodiversity sciences across biological and spatial scales. <i>American Journal of Botany</i> , 2017, 104, 966-969.	0.8	92
4	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. <i>Remote Sensing of Environment</i> , 2019, 221, 405-416.	4.6	89
5	Remote sensing of biodiversity: Soil correction and data dimension reduction methods improve assessment of β -diversity (species richness) in prairie ecosystems. <i>Remote Sensing of Environment</i> , 2018, 206, 240-253.	4.6	84
6	How to predict plant functional types using imaging spectroscopy: linking vegetation community traits, plant functional types and spectral response. <i>Methods in Ecology and Evolution</i> , 2017, 8, 86-95.	2.2	82
7	Detecting prairie biodiversity with airborne remote sensing. <i>Remote Sensing of Environment</i> , 2019, 221, 38-49.	4.6	72
8	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020, 228, 485-493.	3.5	72
9	Partitioning plant spectral diversity into alpha and beta components. <i>Ecology Letters</i> , 2020, 23, 370-380.	3.0	62
10	Influence of species richness, evenness, and composition on optical diversity: A simulation study. <i>Remote Sensing of Environment</i> , 2018, 211, 218-228.	4.6	53
11	Small-scale habitat use of black grouse (<i>Tetrao tetrix</i> L.) and rock ptarmigan (<i>Lagopus muta helvetica</i>) Tj ETQq1 1 0,784314 r0BT /Overlo 0.7	0.7	32
12	Foraging ecology of three sympatric ungulate species – Behavioural and resource maps indicate differences between chamois, ibex and red deer. <i>Movement Ecology</i> , 2015, 3, 6.	1.3	31
13	Using imaging spectroscopy to predict above-ground plant biomass in alpine grasslands grazed by large ungulates. <i>Journal of Vegetation Science</i> , 2015, 26, 175-190.	1.1	29
14	Canopy spectral reflectance detects oak wilt at the landscape scale using phylogenetic discrimination. <i>Remote Sensing of Environment</i> , 2022, 273, 112961.	4.6	24
15	Influence of migratory ungulate management on competitive interactions with resident species in a protected area. <i>Ecosphere</i> , 2015, 6, 1-18.	1.0	23
16	Remotely detected aboveground plant function predicts belowground processes in two prairie diversity experiments. <i>Ecological Monographs</i> , 2022, 92, e1488.	2.4	19
17	Plant beta-diversity across biomes captured by imaging spectroscopy. <i>Nature Communications</i> , 2022, 13, 2767.	5.8	18
18	Harnessing the NEON data revolution to advance open environmental science with a diverse and data-able community. <i>Ecosphere</i> , 2021, 12, .	1.0	15

#	ARTICLE	IF	CITATIONS
19	Genetic, morphological, and spectral characterization of relictual Niobrara River hybrid aspens (<i>Populus</i> – <i>smithii</i>). <i>American Journal of Botany</i> , 2017, 104, 1878-1890.	0.8	14
20	Foliar Spectra and Traits of Bog Plants across Nitrogen Deposition Gradients. <i>Remote Sensing</i> , 2020, 12, 2448.	1.8	13
21	Spectral Field Campaigns: Planning and Data Collection. , 2020, , 385-423.		13
22	Foliar sampling with an unmanned aerial system (UAS) reveals spectral and functional trait differences within tree crowns. <i>Canadian Journal of Forest Research</i> , 2020, 50, 966-974.	0.8	11
23	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10
24	Coupling spectral and resource-use complementarity in experimental grassland and forest communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211290.	1.2	9
25	Expanding NEON biodiversity surveys with new instrumentation and machine learning approaches. <i>Ecosphere</i> , 2021, 12, e03795.	1.0	6