

Anna K Schweiger

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

987
citations

687363

13
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

1276
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.	7.8	185
2	Harnessing plant spectra to integrate the biodiversity sciences across biological and spatial scales. <i>American Journal of Botany</i> , 2017, 104, 966-969.	1.7	92
3	Mapping foliar functional traits and their uncertainties across three years in a grassland experiment. <i>Remote Sensing of Environment</i> , 2019, 221, 405-416.	11.0	89
4	Remote sensing of biodiversity: Soil correction and data dimension reduction methods improve assessment of α -diversity (species richness) in prairie ecosystems. <i>Remote Sensing of Environment</i> , 2018, 206, 240-253.	11.0	84
5	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.	5.2	82
6	Detecting prairie biodiversity with airborne remote sensing. <i>Remote Sensing of Environment</i> , 2019, 221, 38-49.	11.0	72
7	Leaf reflectance spectra capture the evolutionary history of seed plants. <i>New Phytologist</i> , 2020, 228, 485-493.	7.3	72
8	Partitioning plant spectral diversity into alpha and beta components. <i>Ecology Letters</i> , 2020, 23, 370-380.	6.4	62
9	Influence of species richness, evenness, and composition on optical diversity: A simulation study. <i>Remote Sensing of Environment</i> , 2018, 211, 218-228.	11.0	53
10	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.	2.8	31
11	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.	2.2	29
12	Canopy spectral reflectance detects oak wilt at the landscape scale using phylogenetic discrimination. <i>Remote Sensing of Environment</i> , 2022, 273, 112961.	11.0	24
13	Remotely detected aboveground plant function predicts belowground processes in two prairie diversity experiments. <i>Ecological Monographs</i> , 2022, 92, e1488.	5.4	19
14	Plant beta-diversity across biomes captured by imaging spectroscopy. <i>Nature Communications</i> , 2022, 13, 2767.	12.8	18
15	Foliar Spectra and Traits of Bog Plants across Nitrogen Deposition Gradients. <i>Remote Sensing</i> , 2020, 12, 2448.	4.0	13
16	Spectral Field Campaigns: Planning and Data Collection. , 2020, , 385-423.		13
17	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.	1.7	11
18	Applying Remote Sensing to Biodiversity Science. , 2020, , 13-42.		10

#	ARTICLE	IF	CITATIONS
19	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.	2.6	9
20	Expanding NEON biodiversity surveys with new instrumentation and machine learning approaches. <i>Ecosphere</i> , 2021, 12, e03795.	2.2	6