Michael Rzanny

List of Publications by Year
in descending order

23 papers	1,150 citations	567281 15 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	1841 citing authors

#	Article	IF	Citations
1	Deep Learning in Plant Phenological Research: A Systematic Literature Review. Frontiers in Plant Science, 2022, 13, 805738.	3.6	23
2	The Flora Incognita app â€“ Interactive plant species identification. Methods in Ecology and Evolution, 2021, 12, 1335-1342.	5.2	41
3	Crowdâ€sourced plant occurrence data provide a reliable description of macroecological gradients. Ecography, 2021, 44, 1131-1142.	4.5	28
4	Image-Based Automated Recognition of 31 Poaceae Species: The Most Relevant Perspectives. Frontiers in Plant Science, 2021, 12, 804140.	3.6	10
5	Flora Capture: a citizen science application for collecting structured plant observations. BMC Bioinformatics, 2020, 21, 576.	2.6	19
6	Flowers, leaves or both? How to obtain suitable images for automated plant identification. Plant Methods, 2019, 15, 77.	4.3	42
7	Image-based classification of plant genus and family for trained and untrained plant species. BMC Bioinformatics, 2019, 20, 4.	2.6	40
8	Increasing ecological multifunctionality during early plant succession. Plant Ecology, 2019, 220, 499-509.	1.6	4
9	Plant diversity alters the representation of motifs in food webs. Nature Communications, 2019, 10, 1226.	12.8	41
10	A meta food web for invertebrate species collected in a European grassland. Ecology, 2019, 100, e02679.	3.2	13
11	Plant diversity induces shifts in the functional structure and diversity across trophic levels. Oikos, 2018, 127, 208-219.	2.7	48
12	Automated plant species identificationâ€”Trends and future directions. PLoS Computational Biology, 2018, 14, e1005993.	3.2	189
13	Recommending plant taxa for supporting on-site species identification. BMC Bioinformatics, 2018, 19, 190.	2.6	332
14	Acquiring and preprocessing leaf images for automated plant identification: understanding the tradeoff between effort and information gain. Plant Methods, 2017, 13, 97.	4.3	80
15	Plant species classification using flower imagesâ€”A comparative study of local feature representations. PLoS ONE, 2017, 12, e0170629.	2.5	69
16	Patch patterns of lowland beech forests in a gradient of management intensity. Forest Ecology and Management, 2016, 360, 69-79.	3.2	11
17	Aquifer community structure in dependence of lithostratigraphy in groundwater reservoirs. Environmental Science and Pollution Research, 2015, 22, 19342-19351.	5.3	18
18	Forest development phases as an integrating tool to describe habitat preferences of breeding birds in lowland beech forests. Journal of Ornithology, 2015, 156, 19-29.	1.1	24

#	Article	IF	Citations
19	Unterirdische KontinuitÃt und Pilzvielfalt alter Waldstandorte. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 83-90.	0.1	3
20	Bottomâ€“up and topâ€“down forces structuring consumer communities in an experimental grassland. Oikos, 2013, 122, 967-976.	2.7	44
21	GC contentâ€independent amino acid patterns in Bacteria and Archaea. Journal of Basic Microbiology, 2012, 52, 195-205.	3.3	9
22	Complexity of multitrophic interactions in a grassland ecosystem depends on plant species diversity. Journal of Animal Ecology, 2012, 81, 614-627.	2.8	57
23	Removing subordinate species in a biodiversity experiment to mimic observational field studies. , 0, , .		4