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	Recommending plant taxa for supporting on-site species identification. BMC Bioinformatics, 2018, 19, 190.	2.6	332
2	Automated plant species identificationâ€”Trends and future directions. PLoS Computational Biology, 2018, 14, e1005993.	3.2	189
3	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
4	Plant species classification using flower imagesâ€”A comparative study of local feature representations. PLoS ONE, 2017, 12, e0170629.	2.5	69
5	Complexity of multitrophic interactions in a grassland ecosystem depends on plant species diversity. Journal of Animal Ecology, 2012, 81, 614-627.	2.8	57
6	Plant diversity induces shifts in the functional structure and diversity across trophic levels. Oikos, 2018, 127, 208-219.	2.7	48
7	Bottomâ€“up and topâ€“down forces structuring consumer communities in an experimental grassland. Oikos, 2013, 122, 967-976.	2.7	44
8	Flowers, leaves or both? How to obtain suitable images for automated plant identification. Plant Methods, 2019, 15, 77.	4.3	42
9	Plant diversity alters the representation of motifs in food webs. Nature Communications, 2019, 10, 1226.	12.8	41
10	The Flora Incognita app â€“ Interactive plant species identification. Methods in Ecology and Evolution, 2021, 12, 1335-1342.	5.2	41
11	Image-based classification of plant genus and family for trained and untrained plant species. BMC Bioinformatics, 2019, 20, 4.	2.6	40
12	Crowdâ€sourced plant occurrence data provide a reliable description of macroecological gradients. Ecography, 2021, 44, 1131-1142.	4.5	28
13	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
14	Deep Learning in Plant Phenological Research: A Systematic Literature Review. Frontiers in Plant Science, 2022, 13, 805738.	3.6	23
15	Flora Capture: a citizen science application for collecting structured plant observations. BMC Bioinformatics, 2020, 21, 576.	2.6	19
16	Aquifer community structure in dependence of lithostratigraphy in groundwater reservoirs. Environmental Science and Pollution Research, 2015, 22, 19342-19351.	5.3	18
17	A meta food web for invertebrate species collected in a European grassland. Ecology, 2019, 100, e02679.	3.2	13
18	Patch patterns of lowland beech forests in a gradient of management intensity. Forest Ecology and Management, 2016, 360, 69-79.	3.2	11

#	Article	IF	Citations
19	Image-Based Automated Recognition of 31 Poaceae Species: The Most Relevant Perspectives. Frontiers in Plant Science, 2021, 12, 804140.	3.6	10
20	GC contentâ€independent amino acid patterns in Bacteria and Archaea. Journal of Basic Microbiology, 2012, 52, 195-205.	3.3	9
21	Increasing ecological multifunctionality during early plant succession. Plant Ecology, 2019, 220, 499-509.	1.6	4
22	Removing subordinate species in a biodiversity experiment to mimic observational field studies. , 0, , .		4
23	Unterirdische KontinuitÃt und Pilzvielfalt alter Waldstandorte. Schweizerische Zeitschrift Fur Forstwesen, 2015, 166, 83-90.	0.1	3