Jana WÃ¤ldchen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3655533/publications.pdf

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18	1,610	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	2151
all docs	docs citations	times ranked	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	Emerging technologies revolutionise insect ecology and monitoring. Trends in Ecology and Evolution, 2022, 37, 872-885.	8.7	72
3	The Flora Incognita app â€“ Interactive plant species identification. Methods in Ecology and Evolution, 2021, 12, 1335-1342.	5.2	41
4	Crowdâ€sourced plant occurrence data provide a reliable description of macroecological gradients. Ecography, 2021, 44, 1131-1142.	4.5	28
5	Plant image identification application demonstrates high accuracy in Northern Europe. AoB PLANTS, 2021, 13, plab050.	2.3	14
6	Image-Based Automated Recognition of 31 Poaceae Species: The Most Relevant Perspectives. Frontiers in Plant Science, 2021, 12, 804140.	3.6	10
7	Flora Capture: a citizen science application for collecting structured plant observations. BMC Bioinformatics, 2020, 21, 576.	2.6	19
8	Flowers, leaves or both? How to obtain suitable images for automated plant identification. Plant Methods, 2019, 15, 77.	4.3	42
9	Image-based classification of plant genus and family for trained and untrained plant species. BMC Bioinformatics, 2019, 20, 4.	2.6	40
10	Plant Species Identification Using Computer Vision Techniques: A Systematic Literature Review. Archives of Computational Methods in Engineering, 2018, 25, 507-543.	10.2	247
11	Combining high-throughput imaging flow cytometry and deep learning for efficient species and life-cycle stage identification of phytoplankton. BMC Ecology, 2018, 18, 51.	3.0	46
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	Machine learning for image based species identification. Methods in Ecology and Evolution, 2018, 9, 2216-2225.	5.2	267
15	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
16	Plant species classification using flower imagesâ€”A comparative study of local feature representations. PLoS ONE, 2017, 12, e0170629.	2.5	69
17	The influence of changes in forest management over the past 200years on present soil organic carbon stocks. Forest Ecology and Management, 2013, 289, 243-254.	3.2	49
18	Estimation of clay content from easily measurable water content of airâ€dried soil. Journal of Plant Nutrition and Soil Science, 2012, 175, 367-376.	1.9	37