

Benjamin Mary

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1052610/publications.pdf>

Version: 2024-02-01

12
papers

218
citations

1163117
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docs citations

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254
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-scale characterization of vine plant root water uptake via 3-D electrical resistivity tomography and mise-À-la-masse method. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5427-5444.	4.9	35
2	Assessing the extent of citrus trees root apparatus under deficit irrigation via multi-method geo-electrical imaging. <i>Scientific Reports</i> , 2019, 9, 9913.	3.3	29
3	Time-lapse monitoring of root water uptake using electrical resistivity tomography and mise-À-la-masse: a vineyard infiltration experiment. <i>Soil</i> , 2020, 6, 95-114.	4.9	27
4	Geophysics conquering new territories: The rise of "æagrogeophysics" <i>Vadose Zone Journal</i> , 2021, 20, e20115.	2.2	26
5	Imaging of plant current pathways for non-invasive root Phenotyping using a newly developed electrical current source density approach. <i>Plant and Soil</i> , 2020, 450, 567-584.	3.7	24
6	Improvement of coarse root detection using time and frequency induced polarization: from laboratory to field experiments. <i>Plant and Soil</i> , 2017, 417, 243-259.	3.7	22
7	Mapping tree root system in dikes using induced polarization: Focus on the influence of soil water content. <i>Journal of Applied Geophysics</i> , 2016, 135, 387-396.	2.1	19
8	Tree root architecture: new insights from a comprehensive study on dikes. <i>Plant and Soil</i> , 2015, 387, 81-101.	3.7	16
9	Three-channel electrical impedance spectroscopy for field-scale root phenotyping. <i>The Plant Phenome Journal</i> , 2021, 4, e20021.	2.0	10
10	Preliminary Use of Ultrasonic Tomography Measurement to Map Tree Roots Growing in Earth Dikes. <i>Physics Procedia</i> , 2015, 70, 965-969.	1.2	4
11	Combining Models of Root-Zone Hydrology and Geoelectrical Measurements: Recent Advances and Future Prospects. <i>Frontiers in Water</i> , 2021, 3, .	2.3	4
12	On reducing VOCs concentration from groundwater for irrigation purposes: A detailed monitoring program to test the stripping efficiency of a sprinkler system. , 2019, , .		1