

Natalie Orłowski

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

899
citations

758635

12
h-index

996533

15
g-index

27
all docs

27
docs citations

27
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	The Demographics of Water: A Review of Water Ages in the Critical Zone. <i>Reviews of Geophysics</i> , 2019, 57, 800-834.	9.0	197
2	Validation and application of a cryogenic vacuum extraction system for soil and plant water extraction for isotope analysis. <i>Journal of Sensors and Sensor Systems</i> , 2013, 2, 179-193.	0.6	140
3	Intercomparison of soil pore water extraction methods for stable isotope analysis. <i>Hydrological Processes</i> , 2016, 30, 3434-3449.	1.1	129
4	Critical issues with cryogenic extraction of soil water for stable isotope analysis. <i>Ecohydrology</i> , 2016, 9, 1-5.	1.1	127
5	Inter-laboratory comparison of cryogenic water extraction systems for stable isotope analysis of soil water. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3619-3637.	1.9	92
6	Exploring water cycle dynamics by sampling multiple stable water isotope pools in a developed landscape in Germany. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3873-3894.	1.9	33
7	Water Stable Isotopes in Ecohydrological Field Research: Comparison Between In Situ and Destructive Monitoring Methods to Determine Soil Water Isotopic Signatures. <i>Frontiers in Plant Science</i> , 2020, 11, 387.	1.7	30
8	Quantification of plant water uptake by water stable isotopes in rice paddy systems. <i>Plant and Soil</i> , 2018, 429, 281-302.	1.8	28
9	A simple greenhouse experiment to explore the effect of cryogenic water extraction for tracing plant source water. <i>Ecohydrology</i> , 2018, 11, e1967.	1.1	23
10	Linking Spatial Patterns of Groundwater Table Dynamics and Streamflow Generation Processes in a Small Developed Catchment. <i>Water (Switzerland)</i> , 2014, 6, 3085-3117.	1.2	21
11	Ecohydrological travel times derived from in situ stable water isotope measurements in trees during a semi-controlled pot experiment. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 4513-4530.	1.9	21
12	Sampling soil water along the pF curve for $\delta^{2}H$ and $\delta^{18}O$ analysis. <i>Hydrological Processes</i> , 2020, 34, 4959-4972.	1.1	16
13	Intercomparison of soil pore water extraction methods for stable isotope analysis and interpretation of hillslope runoff sources. <i>Hydrological Processes</i> , 2019, 33, 2939-2954.	1.1	14
14	Assessment of multiple stable isotopes for tracking regional and organic authenticity of plant products in Hesse, Germany. <i>Isotopes in Environmental and Health Studies</i> , 2021, 57, 1-20.	0.5	11
15	Tracing uptake and translocation of phosphorus in wheat using oxygen isotopes and mathematical modelling. <i>New Phytologist</i> , 2021, 230, 1883-1895.	3.5	4