Zahra Thomas

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Monitoring and Modeling of Saline-Sodic Vertisol Reclamation by Echinochloa stagnina. Soil Systems, 2022, 6, 4.	1.0	0
2	Combining passive and active distributed temperature sensing measurements to locate and quantify groundwater discharge variability into a headwater stream. Hydrology and Earth System Sciences, 2022, 26, 1459-1479.	1.9	6
3	Compost from Date Palm Residues Increases Soil Nutrient Availability and Growth of Silage Corn (Zea) Tj ETQq1 1 0.784314 rgBT /Overl	1.7	4
4	Benefits of Circular Agriculture for Cropping Systems and Soil Fertility in Oases. Sustainability, 2021, 13, 4713.	1.6	8
5	What do we need to predict groundwater nitrate recovery trajectories?. Science of the Total Environment, 2021, 788, 147661.	3.9	8
6	Predicting Nutrient Incontinence in the Anthropocene at Watershed Scales. Frontiers in Environmental Science, 2020, 7, .	1.5	39
7	Experimental and Modelâ€Based Investigation of the Effect of the Freeâ€Surface Flow Regime on the Detection Threshold of Warm Water Inflows. Water Resources Research, 2020, 56, e2018WR023722.	1.7	0
8	Quantification of Hyporheic Nitrate Removal at the Reach Scale: Exposure Times Versus Residence Times. Water Resources Research, 2019, 55, 9808-9825.	1.7	18
9	Long-term ecological observatories needed to understand ecohydrological systems in the Anthropocene: a catchment-scale case study in Brittany, France. Regional Environmental Change, 2019, 19, 363-377.	1.4	13
10	Stratification of reactivity determines nitrate removal in groundwater. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2494-2499.	3.3	77
11	Characterization of Diffuse Groundwater Inflows into Stream Water (Part II: Quantifying) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2430.	1.2	13
12	Characterization of Diffuse Groundwater Inflows into Streamwater (Part I: Spatial and Temporal) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 11, 2389.	1.2	10
13	Riparian forest transpiration under the current and projected <scp>M</scp>editerranean climate: <scp>E</scp>ffects on soil water and nitrate uptake. Ecohydrology, 2019, 12, e2043.	1.1	5
14	Une rÃ©flexion sur lâ€™Ã©tat des connaissances des fonctions du bocage pour lâ€™eau dans une perspective de mobilisation pour lâ€™action. Sciences Eaux & Territoires, 2019, NumÃ©ro 30, 32-37.	0.1	2
15	Unexpected spatial stability of water chemistry in headwater stream networks. Ecology Letters, 2018, 21, 296-308.	3.0	149
16	Hedgerows reduce nitrate flux at hillslope and catchment scales via root uptake and secondary effects. Journal of Contaminant Hydrology, 2018, 215, 51-61.	1.6	28
17	InterdisciplinaritÃ© et reprÃ©sentation de la complexitÃ© des systÃ¨mes socio-Ã©cologiquesâ€‰: recherches sur la zone atelier Armorique. Natures Sciences Societes, 2017, 25, S50-S54.	0.1	2
18	Proximate and ultimate controls on carbon and nutrient dynamics of small agricultural catchments. Biogeosciences, 2016, 13, 1863-1875.	1.3	56

#	Article	IF	Citations
19	Nonstationarity of the electrical resistivity and soil moisture relationship in a heterogeneous soil system: a case study. Soil, 2016, 2, 241-255.	2.2	12
20	Coupling 3D groundwater modeling with CFC-based age dating to classify local groundwater circulation in an unconfined crystalline aquifer. Journal of Hydrology, 2016, 543, 31-46.	2.3	62
21	Towards a Robust and Flexible Numerical Framework for Integrated Urban Water System Modeling. Procedia Engineering, 2016, 154, 757-764.	1.2	1
22	Constitution of a catchment virtual observatory for sharing flow and transport models outputs. Journal of Hydrology, 2016, 543, 59-66.	2.3	14
23	Nitrate attenuation in soil and shallow groundwater under a bottomland hedgerow in a European farming landscape. Hydrological Processes, 2012, 26, 3570-3578.	1.1	17
24	Modelling and observation of hedgerow transpiration effect on water balance components at the hillslope scale in Brittany. Hydrological Processes, 2012, 26, 4001-4014.	1.1	24
25	Soil water movement under a bottomland hedgerow during contrasting meteorological conditions. Hydrological Processes, 2011, 25, 1431-1442.	1.1	13
26	High chloride concentrations in the soil and groundwater under an oak hedge in the West of France: an indicator of evapotranspiration and water movement. Hydrological Processes, 2009, 23, 1865-1873.	1.1	33
27	Simulating soilâ€water movement under a hedgerow surrounding a bottomland reveals the importance of transpiration in water balance. Hydrological Processes, 2008, 22, 577-585.	1.1	18
28	Hedgerow impacts on soilâ€water transfer due to rainfall interception and rootâ€water uptake. Hydrological Processes, 2008, 22, 4723-4735.	1.1	39