Stefan Broda

List of Publications by Year
in descending order

17 papers	800 citations	11 h-index	16 g-index
23 all docs	23 docs citations	23 times ranked	866 citing authors

840776

940533

#	Article	IF	Citations
1	Feature-based Groundwater Hydrograph Clustering Using Unsupervised Self-Organizing Map-Ensembles. Water Resources Management, 2022, 36, 39-54.	3.9	11
2	Deep learning shows declining groundwater levels in Germany until 2100 due to climate change. Nature Communications, 2022, 13, 1221.	12.8	45
3	Analyzing variation of the water table level with three-dimensional numerical simulations to assess reclamation techniques for an acidic tailings impoundment. Canadian Geotechnical Journal, 2021, 58, 823-833.	2.8	2
4	Fiber Optic Measurements of Soil Moisture in a Waste Rock Pile. Ground Water, 2021, 59, 549-561.	1.3	2
5	Groundwater level forecasting with artificial neural networks: a comparison of long short-term memory (LSTM), convolutional neural networks (CNNs), and non-linear autoregressive networks with exogenous input (NARX). Hydrology and Earth System Sciences, 2021, 25, 1671-1687.	4.9	103
6	Laboratory-scale assessment of a capillary barrier using fibre optic distributed temperature sensing (FO-DTS). Canadian Geotechnical Journal, 2020, 57, 115-126.	2.8	11
7	Global distribution of carbonate rocks and karst water resources. Hydrogeology Journal, 2020, 28, 1661-1677.	2.1	315
8	In situ evaluation of performance of reclamation measures implemented on abandoned reactive tailings disposal site. Canadian Geotechnical Journal, 2018, 55, 1742-1755.	2.8	12
9	Forecasting groundwater levels using nonlinear autoregressive networks with exogenous input (NARX). Journal of Hydrology, 2018, 567, 743-758.	5.4	147
10	Three-dimensional hydrogeological modeling to assess the elevated-water-table technique for controlling acid generation from an abandoned tailings site in Quebec, Canada. Hydrogeology Journal, 2018, 26, 1201-1219.	2.1	21
11	Improving control of contamination from waste rock piles. Environmental Geotechnics, 2017, 4, 274-283.	2.3	14
12	Groundwater–surface water interactions in Canada. Canadian Water Resources Journal, 2016, 41, 451-454.	1.2	14
13	Short-term forecasting of groundwater levels under conditions of mine-tailings recharge using wavelet ensemble neural network models. Hydrogeology Journal, 2015, 23, 121-141.	2.1	46
14	Simulation of Distributed Base Flow Contributions to Streamflow Using a Hillslope-Based Catchment Model Coupled to a Regional-Scale Groundwater Model. Journal of Hydrologic Engineering - ASCE, 2014, 19, 907-917.	1.9	10
15	Conceptual Model Suitability for Reproducing Preferential Flow in Waste Rock. , 2013, , .		3
16	A low-dimensional hillslope-based catchment model for layered groundwater flow. Hydrological Processes, 2012, 26, 2814-2826.	2.6	24
17	Numerical investigation of leakage in sloping aquifers. Journal of Hydrology, 2011, 409, 49-61.	5.4	16