1. 8th International Conference on Water Resource and Environment, WRE 2022

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Abstract: The proceedings contain 34 papers. The special focus in this conference is on Water Resource and Environment. The topics include: Mutation Analysis of Runoff–Sediment Combination and Profitable Frequency of Wetness–Dryness Encounter in the Middle Yellow River; feasibility Study on Air Film Rainwater Collection and Treatment Systems in Extreme Rainfalls Weather; rainfall-Runoff Modelling in the Kouilou-Niari Catchment Area in South-West of Congo-Brazzaville; analysis of Response Law of Rainstorm Under Different Microtopography Conditions; research on Data Cleaning Method for Dispatching and Operation of Cascade Hydropower Stations; Short-Term Downstream Water Level Prediction Model for Three Gorges–Gezhouba Cascade Reservoir Operation Based on LSTM Algorithm; review of Water Quality Prediction Methods; ultrasonic Disintegration as a Fast and Simple Method for Chemical Fractionation of Heavy Metals in Sewage Sludge: A Preliminary Study; research Progress on Removal of Heavy Metal Ions in Water by Biological and Hydrogel Sorbent Materials; the Prediction of Hydrometeorology Variables Using the Method of Recurrent Neuronal Networks; phytoremediation of Stormwater by Floating Treatment Wetland; the Effect of Style and Scale of Information on Public Willingness to Conduct Water-Saving Behaviors in China; experimental Study on Isotopic Fractionation Factor and Evaporation Rate in Soil Water; the Impact of Hydraulic Hubs on the Spatial Variation of Water Quality in the Middle Reaches of the Hanjiang River and an Analysis of the Driving Factors; research on Model Reconstruction of Urban Water Supply and Drainage System; research on Pollution Tracing in Drinking Water Source by Space–Air–Ground Integrated System; experimental Study on Flocculation Effect of Waste Construction Mud.
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