Nur Shazwani Muhammad

List of Publications by Year
in descending order

27 papers	622 citations	623188 14 h-index	610482 24 g-index
27 all docs	27 docs citations	27 times ranked	558 citing authors

#	Article	IF	Citations
1	Wavelet based hybrid ANN-ARIMA models for meteorological drought forecasting. Journal of Hydrology, 2020, 590, 125380.	2.3	118
2	Estimation the Physical Variables of Rainwater Harvesting System Using Integrated GIS-Based Remote Sensing Approach. Water Resources Management, 2016, 30, 3299-3313.	1.9	71
3	Spatial and temporal risk quotient based river assessment for water resources management. Environmental Pollution, 2019, 248, 133-144.	3.7	58
4	Research Trends of Hydrological Drought: A Systematic Review. Water (Switzerland), 2019, 11, 2252.	1.2	43
5	Wavelet-ANN versus ANN-Based Model for Hydrometeorological Drought Forecasting. Water (Switzerland), 2018, 10, 998.	1.2	39
6	Urban flash flood index based on historical rainfall events. Sustainable Cities and Society, 2020, 56, 102088.	5.1	34
7	Evolution of research on water leakage control strategies: where are we now?. Urban Water Journal, 2018, 15, 812-826.	1.0	25
8	Minimizing the Impacts of Desertification in an Arid Region: A Case Study of the West Desert of Iraq. Advances in Civil Engineering, 2021, 2021, 1-12.	0.4	25
9	Robust approach for optimal positioning and ranking potential rainwater harvesting structure (RWH): a case study of Iraq. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	24
10	Flood flow simulations and return period calculation for the Kota Tinggi watershed, Malaysia. Journal of Flood Risk Management, 2018, 11, .	1.6	23
11	Identification of potential sites for runoff water harvesting. Water Management, 2019, 172, 135-148.	0.4	23
12	Optimization of areaâ€"volumeâ€"elevation curve using GISâ€"SRTM method for rainwater harvesting in arid areas. Environmental Earth Sciences, 2017, 76, 1.	1.3	21
13	Scenario-based pollution discharge simulations and mapping using integrated QUAL2K-GIS. Environmental Pollution, 2020, 259, 113909.	3.7	20
14	Envelope curves for the specific discharge of extreme floods in Malaysia. Journal of Hydro-Environment Research, 2019, 25, 1-11.	1.0	16
15	Predictive models for the estimation of riverbank erosion rates. Catena, 2021, 196, 104917.	2.2	13
16	Model Performance Indicator of Aging Pipes in a Domestic Water Supply Distribution Network. Water (Switzerland), 2019, 11, 2378.	1.2	11
17	Development of riverbank erosion rate predictor for natural channels using NARX-QR Factorization model: a case study of Sg. Bernam, Selangor, Malaysia. Neural Computing and Applications, 2020, 32, 14839-14849.	3.2	11
18	Assessment of probability distributions and analysis of the minimum storage draft rate in the equatorial region. Natural Hazards and Earth System Sciences, 2021, 21, 1-19.	1.5	11

#	Article	IF	Citations
19	Probability Structure and Return Period of Multiday Monsoon Rainfall. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	10
20	Toward sustainable water resources management: critical assessment on the implementation of integrated water resources management and waterâ€"energyâ€"food nexus in Afghanistan. Water Policy, 2022, 24, 1-18.	0.7	7
21	Modified Hydrological Drought Risk Assessment Based on Spatial and Temporal Approaches. Sustainability, 2022, 14, 6337.	1.6	5
22	ANALYSIS OF EXTREME RAINFALL INDICES IN PENINSULAR MALAYSIA. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	4
23	Effectiveness of strip footing with geogrid reinforcement for different types of soils in Mosul, Iraq. PLoS ONE, 2020, 15, e0243293.	1.1	4
24	Assessment of dam appurtenant structures under multiple flow discharge scenarios. Ain Shams Engineering Journal, 2020, 11, 913-922.	3.5	3
25	Analyses of watershed characteristics based on different sources of digital elevation model. AIP Conference Proceedings, 2018, , .	0.3	1
26	RESEARCH TRENDS IN HYDROLOGICAL MODELLING. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.3	1
27	SUBANG RADAR CAPPI DATA PROCESSING AND Z-R OPTIMIZATION FOR QUANTITATIVE PRECIPITATION ESTIMATES (QPE) OVER LANGAT RIVER BASIN. Jurnal Teknologi (Sciences and Engineering), 2022, 84, 113-122.	0.3	1