Zulkifli Yusop

List of Publications by Year
in descending order

108 papers	2,219 citations	249298 26 h-index	299063 42 g-index
111 all docs	111 docs citations	111 times ranked	2876 citing authors

#	Article	IF	Citations
1	Composition of deposited sediment and its temporal variation in a disturbed tropical catchment in the Kelantan river basin, Peninsular Malaysia. Environmental Science and Pollution Research, 2023, 30, 71881-71896.	2.7	4
2	Exploring awareness and application of disaster risk management cycle (DRMC) from stakeholder's perspective. International Journal of Disaster Resilience in the Built Environment, 2022, 13, 470-483.	0.7	3
3	Formulation of Parsimonious Urban Flash Flood Predictive Model with Inferential Statistics. Mathematics, 2022, 10, 175.	1.1	3
4	Inter-comparison on the Suitability of Rain-Based Meteorological Drought in Johor River Basin, Malaysia. KSCE Journal of Civil Engineering, 2022, 26, 2519-2537.	0.9	5
5	Effect of the tide on flood modeling and mapping in Kota Tinggi, Johor, Malaysia. Natural Hazards, 2022, 112, 2053-2081.	1.6	4
6	Reliability and Economic Analysis of a Rainwater-Harvesting System for a Commercial Building with a Large Rooftop Area. ACS ES&T Water, 2022, 2, 604-615.	2.3	3
7	Flood damage and risk assessment for urban area in Malaysia. Hydrology Research, 2021, 52, 142-159.	1.1	37
8	Flood Catastrophes in a Changing Environment. Hydrology Research, 2021, 52, 1-3.	1.1	2
9	Statistical and Type II Error Assessment of a Runoff Predictive Model in Peninsula Malaysia. Mathematics, 2021, 9, 812.	1.1	9
10	Tracing Non-point Source Sediment Using Environmental Forensic Approach: Case Study in Kelantan River Basin, Malaysia. Community, Environment and Disaster Risk Management, 2021, , 173-185.	0.1	1
11	Construction of Dependence Structure for Rainfall Stations by Joining Time Series Models with Copula Method. Malaysian Journal of Fundamental and Applied Sciences, 2021, 17, 306-320.	0.4	2
12	Development of a Local, Integrated Disaster Risk Assessment Framework for Malaysia. Sustainability, 2021, 13, 10792.	1.6	8
13	Drought Variability and Characteristics in the Muda River Basin of Malaysia from 1985 to 2019. Atmosphere, 2021, 12, 1210.	1.0	14
14	Predicting the Habitat Suitability of Melaleuca cajuputi Based on the MaxEnt Species Distribution Model. Forests, 2021, 12, 1449.	0.9	22
15	Impact of El Niño on Oil Palm Yield in Malaysia. Agronomy, 2021, 11, 2189.	1.3	11
16	Soil erosion in disturbed forests and agricultural plantations in tropical undulating terrain: *in situ* measurement using a laser erosion bridge method. Journal of Water and Climate Change, 2020, 11, 1032-1041.	1.2	5
17	Detecting Rainfall Trend and Development of Future Intensity Duration Frequency (IDF) Curve for the State of Kelantan. Water Resources Management, 2020, 34, 3165-3182.	1.9	11
18	Using georadar as a dam pore water pressure measurement â€" case study of Sutami Dam. AIP Conference Proceedings, 2020, , .	0.3	1

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19	Detection of seepage source path location in Selorejo downstream foothill dam using georadar. AIP Conference Proceedings, 2020, , .	0.3	1
20	SouthEast Asia HydrO-meteorological droughT (SEA-HOT) framework: A case study in the Kelantan River Basin, Malaysia. Atmospheric Research, 2020, 246, 105155.	1.8	17
21	Evaluation of phase transformation behaviors of zeolite and antibacterial properties against Gramâ€positive and â€negative bacteria. Journal of the Chinese Chemical Society, 2020, 67, 2042-2049.	0.8	2
22	Sticky silver nanoparticles and surface coatings of different textile fabrics stabilised by Muntingia calabura leaf extract. SN Applied Sciences, 2020, 2, 1.	1.5	17
23	Urban Flood Depth Estimate With a New Calibrated Curve Number Runoff Prediction Model. IEEE Access, 2020, 8, 10915-10923.	2.6	14
24	A Calibrated, Watershed-Specific SCS-CN Method: Application to Wangjiaqiao Watershed in the Three Gorges Area, China. Water (Switzerland), 2020, 12, 60.	1.2	28
25	Novel Electrochemical Sensor Based on Nylon 6,6-Modified Graphite HB Pencil Electrode for Chlorothalonil Determination by Differential Pulse Cathodic Stripping Voltammetry. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	7
26	Trivariate copula in drought analysis: a case study in peninsular Malaysia. Theoretical and Applied Climatology, 2019, 138, 657-671.	1.3	34
27	Nylon 6,6 modified screen printed carbon electrodes as electrochemical sensors for rapid chlorothalonil determination in water samples using differential pulse cathodic stripping voltammetry. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 294-302.	0.7	4
28	Green sensors for voltammetric determination of lindane in water samples using bare and nylon 6,6 modified pencil electrodes. Analytical Methods, 2019, 11, 4899-4909.	1.3	3
29	Comparison of Cost Benefits of New Installation and Retrofitted Rainwater Harvesting Systems for Commercial Buildings. Green Energy and Technology, 2019, , 169-174.	0.4	3
30	Contributions of Dry and Wet Weather Runoffs to Annual Pollutant Loading in Tropical Urban Catchments. Lecture Notes in Civil Engineering, 2019, , 1511-1521.	0.3	3
31	Flood Damage Function Model for Residential area in Kuantan: A Preliminary Study. International Journal of Integrated Engineering, 2019, 11, .	0.2	5
32	Claim Assessment of a Rainfall Runoff Model with Bootstrap. , 2019, , 287-293.		0
33	Triclosan removal by adsorption using activated carbon derived from waste biomass: Isotherms and kinetic studies. Journal of the Chinese Chemical Society, 2018, 65, 951-959.	0.8	30
34	Determination of minimum interâ€event time for storm characterisation in Johor, Malaysia. Journal of Flood Risk Management, 2018, 11, .	1.6	15
35	Trend analysis and change point detection of annual and seasonal temperature series in Peninsular Malaysia. Meteorology and Atmospheric Physics, 2018, 130, 565-581.	0.9	49
36	Drought analysis and water resource availability using standardised precipitation evapotranspiration index. Atmospheric Research, 2018, 201, 102-115.	1.8	75

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37	Development and Validation of Capillary Electrophoresis Method for Simultaneous Determination of Six Pharmaceuticals in Different Food Samples Combining On-line and Off-line Sample Enrichment Techniques. Food Analytical Methods, 2018, 11, 533-545.	1.3	15
38	Effects of Topographic Heterogeneity on Coarse Resolution Grid-Based Runoff Simulation—Assessment for Three River Basins in Peninsular Malaysia. Environmental Modeling and Assessment, 2018, 23, 277-288.	1.2	1
39	Determination of Paraquat Dichloride from Water Samples Using Differential Pulse Cathodic Stripping Voltammetry. Russian Journal of Electrochemistry, 2018, 54, 1155-1163.	0.3	15
40	Impact of forest conversion to agricultural plantation on soil erosion. MATEC Web of Conferences, 2018, 250, 04004.	0.1	5
41	Derivation of Region-specific Curve Number for an Improved Runoff Prediction Accuracy. Community, Environment and Disaster Risk Management, 2018, , 37-48.	0.1	2
42	Environmental Forensics: A Multi-catchment Approach to Detect Origin of Sediment Featuring Two Pilot Projects in Malaysia. Community, Environment and Disaster Risk Management, 2018, , 49-61.	0.1	3
43	Kelantan Daily Rainfall Datasets: Persistence in Nature. Community, Environment and Disaster Risk Management, 2018, , 121-131.	0.1	0
44	Throughfall at an Abandoned Skid Trail in a Tropical Rain Forest in Peninsular Malaysia. Japan Agricultural Research Quarterly, 2018, 52, 63-75.	0.1	4
45	FLOOD RISK ASSESSMENT: A REVIEW OF FLOOD DAMAGE ESTIMATION MODEL FOR MALAYSIA. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.3	10
46	A reusable electrospun PVDF-PVP-MnO2 nanocomposite membrane for bisphenol A removal from drinking water. Journal of Environmental Chemical Engineering, 2018, 6, 5801-5811.	3.3	50
47	A Review of Rainwater Harvesting in Malaysia: Prospects and Challenges. Water (Switzerland), 2018, 10, 506.	1.2	77
48	Performance of small and large scales rainwater harvesting systems in commercial buildings under different reliability and future water tariff scenarios. Science of the Total Environment, 2018, 636, 1171-1179.	3.9	50
49	Response Surface Methodology for Modeling Bisphenol A Removal Using Ultrafiltration Membrane System. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	98
50	Water research productivity, trends and collaborations in Malaysia between 1964 to 2012. Journal of Research Management and Governance, 2018, 1, 1-30.	0.1	0
51	Quantifying the quality and sampling time of oil and grease in urban stormwater runoff. KSCE Journal of Civil Engineering, 2017, 21, 1087-1095.	0.9	3
52	Subseasonal to multidecadal variability of northeast monsoon daily rainfall over Peninsular Malaysia using a hidden Markov model. Theoretical and Applied Climatology, 2017, 129, 577-586.	1.3	4
53	Spatial and temporal variabilities of rainfall data using functional data analysis. Theoretical and Applied Climatology, 2017, 129, 229-242.	1.3	17
54	Climate change impacts under CMIP5 RCP scenarios on water resources of the Kelantan River Basin, Malaysia. Atmospheric Research, 2017, 189, 1-10.	1.8	147

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55	Adaptability of rainfall simulators as a research tool on urban sealed surfaces â€" a review. Hydrological Sciences Journal, 2017, 62, 996-1012.	1.2	19
56	Simulation of a conventional water treatment plant for the minimization of new emerging pollutants in drinking water sources: process optimization using response surface methodology. RSC Advances, 2017, 7, 11550-11560.	1.7	7
57	A water balance approach for assessing the potential source of water in Dohuk Dam for agricultural, domestic and tourism purposes. Water Policy, 2017, 19, 322-340.	0.7	7
58	A simple, selective, and sensitive gas chromatographyâ€"mass spectrometry method for the analysis of five processâ€related impurities in atenolol bulk drug and capsule formulations. Journal of Separation Science, 2017, 40, 3086-3093.	1.3	2
59	Frequency Analysis of Annual Maximum Flood for Segamat River. MATEC Web of Conferences, 2017, 103, 04003.	0.1	5
60	Changes in precipitation extremes over the Kelantan River Basin, Malaysia. International Journal of Climatology, 2017, 37, 3780-3797.	1.5	49
61	Fabrication, characterization and application of laccaseâ€"nylon 6,6/Fe3+ composite nanofibrous membrane for 3,3â€²-dimethoxybenzidine detoxification. Bioprocess and Biosystems Engineering, 2017, 40, 191-200.	1.7	40
62	A simple voltammetric determination of metsulfuron-methyl in water samples using differential pulse cathodic stripping voltammetry. Journal of Pesticide Sciences, 2017, 42, 39-44.	0.8	2
63	MITIGATION OF TIME SERIES APPROACH ON CLIMATE CHANGE ADAPTATION ON RAINFALL OF WADI AL-AQIQ, MADINAH, SAUDI ARABIA. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	2
64	RAINFALL ANALYSIS OF THE KELANTAN BIG YELLOW FLOOD 2014. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	17
65	HYDROLOGICAL MODELLING OF UNGAUGED ARID VOLCANIC ENVIRONMENTS AT UPPER BATHAN CATCHMENT, MADINAH, SAUDI ARABIA. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
66	Rainfall Characteristics and Regionalization in Peninsular Malaysia Based on a High Resolution Gridded Data Set. Water (Switzerland), 2016, 8, 500.	1.2	54
67	The Removal of Bisphenol A in Water Treatment Plant Using Ultrafiltration Membrane System. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	12
68	Bivariate copulas functions for flood frequency analysis. AIP Conference Proceedings, 2016, , .	0.3	6
69	Integrating manual calibration and auto-calibration of SWAT model in Muar Watershed, Johor. , 2016, , .		4
70	Development and validation of a selective, sensitive and stability indicating UPLCâ€"MS/MS method for rapid, simultaneous determination of six process related impurities in darunavir drug substance. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 141-148.	1.4	13
71	Evaluation of stormwater runoff quality during monsoon and inter-monsoon seasons at tropical urban catchments. International Journal of River Basin Management, 2016, 14, 75-82.	1.5	3
72	Recent progress on Fe-based nanoparticles: Synthesis, properties, characterization and environmental applications. Journal of Environmental Chemical Engineering, 2016, 4, 3537-3553.	3.3	59

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73	Simultaneous determination of three organophosphorus pesticides in different food commodities by gas chromatography with mass spectrometry. Journal of Separation Science, 2016, 39, 2276-2283.	1.3	20
74	Photocatalytic degradation of spilled oil in sea water using maghemite nanoparticles. Desalination and Water Treatment, 2016, 57, 5837-5841.	1.0	11
75	Special issue on Challenges in Environmental Science and Engineering (CESE-2014) 12â€"16 October 2014, Johor Bahru, Malaysia. Desalination and Water Treatment, 2016, 57, 7605-7606.	1.0	0
76	Evaluation of reference evapotranspiration models and determination of crop coefficient for Momordica charantia and Capsicum annuum. Agricultural Water Management, 2016, 169, 77-89.	2.4	42
77	A review on bisphenol A occurrences, health effects and treatment process via membrane technology for drinking water. Environmental Science and Pollution Research, 2016, 23, 11549-11567.	2.7	104
78	Removal of bisphenol A by adsorption mechanism using PESâ€"SiO2composite membranes. Environmental Technology (United Kingdom), 2016, 37, 1959-1969.	1.2	18
79	A new rainfall forecasting model using the CAPSO algorithm and an artificial neural network. Neural Computing and Applications, 2016, 27, 2551-2565.	3.2	25
80	Advances in Drug Discovery: Impact of Genomics and Role of Analytical Instrumentation. Current Drug Discovery Technologies, 2016, 13, 211-224.	0.6	2
81	Evaluation of diversion channel capacity using flood hydrodynamic modeling. , 2016, , .		0
82	Measuring volatility persistence on rainfall records with the hybrid of autoregressive fractional integrated moving average (ARFIMA) - hidden Markov model (HMM). , 2015, , .		3
83	Multivariate Analysis on Heavy Metals Distribution in Tropical Reservoir. Research Journal of Applied Sciences, Engineering and Technology, 2015, 9, 916-921.	0.1	2
84	Relationship between sediment build-up characteristics and antecedent dry days on different urban road surfaces in Malaysia. Urban Water Journal, 2015, 12, 240-247.	1.0	31
85	Adsorption Characteristics of Bisphenol A onto Low-Cost Modified Phyto-Waste Material in Aqueous Solution. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	58
86	Impacts of DEM resolution, source, and resampling technique on SWAT-simulated streamflow. Applied Geography, 2015, 63, 357-368.	1.7	113
87	A comparison of current and design operational efficiencies of scavenger wells in lower Indus Basin of Pakistan and possibility of upconing problem. Arabian Journal of Geosciences, 2015, 8, 8669-8680.	0.6	3
88	Impacts of land-use and climate variability on hydrological components in the Johor River basin, Malaysia. Hydrological Sciences Journal, 2015, , 1-17.	1.2	60
89	The Modelled Raindrop Size Distribution of Skudai, Peninsular Malaysia, Using Exponential and Lognormal Distributions. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	7
90	Optimum combination of pond volume and outlet capacity of a stormwater detention pond using particle swarm optimization. Urban Water Journal, 2014, 11, 127-136.	1.0	17

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91	Removal of Bisphenol A from Aqueous Solution by Activated Carbon Derived from Oil Palm Empty Fruit Bunch. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	60
92	Rainfall characterisation by application of standardised precipitation index (SPI) in Peninsular Malaysia. Theoretical and Applied Climatology, 2014, 115, 503-516.	1.3	20
93	Disaggregation of daily rainfall data using Bartlett Lewis Rectangular Pulse model: a case study in central Peninsular Malaysia. Environmental Earth Sciences, 2014, 71, 3627-3640.	1.3	5
94	Impacts and uncertainties of climate change on streamflow of the Johor River Basin, Malaysia using a CMIP5 General Circulation Model ensemble. Journal of Water and Climate Change, 2014, 5, 676-695.	1.2	68
95	Characterisation of Drought Properties with Bivariate Copula Analysis. Water Resources Management, 2013, 27, 4183-4207.	1.9	72
96	Comparison of Distribution Models for Peakflow, Flood Volume and Flood Duration. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 733-738.	0.1	4
97	Flood Frequency Analysis Based on t-copula for Johor River, Malaysia. Journal of Applied Sciences, 2013, 13, 1021-1028.	0.1	14
98	A Modified Methylation Method to Determine Fatty Acid Content by Gas Chromatography. Bulletin of the Korean Chemical Society, 2013, 34, 3239-3242.	1.0	24
99	Modeling the Distributions of Flood Characteristics for a Tropical River Basin. Journal of Environmental Science and Technology, 2012, 5, 419-429.	0.3	13
100	Simulation of Flood Extent Mapping by InfoWorks RS-Case Study for Tropical Catchment. Journal of Software Engineering, 2011, 5, 127-135.	0.2	11
101	Export of dissolved and undissolved nutrients from forested catchments in Peninsular Malaysia. Forest Ecology and Management, 2006, 224, 26-44.	1.4	32
102	Runoff quality and pollution loadings from a tropical urban catchment. Water Science and Technology, 2005, 52, 125-32.	1.2	12
103	Suspended solids discharge from a small forested basin in the humid tropics. Hydrological Processes, 2004, 18, 721-738.	1.1	26
104	Seasonal Soil Water Storage Changes In a tropical Rain Forest in Peninsular Malaysia.. Suimon Mizu Shigen Gakkaishi, 2000, 13, 206-215.	0.1	5
105	Rainfall-runoff Responses and Roles of Soil Moisture Variations to the Response in Tropical Rain Forest, Bukit Tarek, Peninsular Malaysia. Journal of Forest Research, 1997, 2, 125-132.	0.7	53
106	The influence of rain intensity on raindrop diameter and the kinetics of tropical rainfall: case study of Skudai, Malaysia. Hydrological Sciences Journal, 0, , 1-8.	1.2	14
107	Comparison of Semivariogram Models in Rain Gauge Network Design. Matematika, 0, , 157-170.	0.0	4
108	Determination of stromwater first flush treatment strategies at tropical urban catchments. , 0, 79, 196-203.		6