

# Zulkifli Yusop

## List of Publications by Year in descending order

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108  
papers

2,219  
citations

218592

26  
h-index

265120

42  
g-index

111  
all docs

111  
docs citations

111  
times ranked

2605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change impacts under CMIP5 RCP scenarios on water resources of the Kelantan River Basin, Malaysia. <i>Atmospheric Research</i> , 2017, 189, 1-10.	1.8	147
2	Impacts of DEM resolution, source, and resampling technique on SWAT-simulated streamflow. <i>Applied Geography</i> , 2015, 63, 357-368.	1.7	113
3	A review on bisphenol A occurrences, health effects and treatment process via membrane technology for drinking water. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11549-11567.	2.7	104
4	Response Surface Methodology for Modeling Bisphenol A Removal Using Ultrafiltration Membrane System. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	98
5	A Review of Rainwater Harvesting in Malaysia: Prospects and Challenges. <i>Water (Switzerland)</i> , 2018, 10, 506.	1.2	77
6	Drought analysis and water resource availability using standardised precipitation evapotranspiration index. <i>Atmospheric Research</i> , 2018, 201, 102-115.	1.8	75
7	Characterisation of Drought Properties with Bivariate Copula Analysis. <i>Water Resources Management</i> , 2013, 27, 4183-4207.	1.9	72
8	Impacts and uncertainties of climate change on streamflow of the Johor River Basin, Malaysia using a CMIP5 General Circulation Model ensemble. <i>Journal of Water and Climate Change</i> , 2014, 5, 676-695.	1.2	68
9	Removal of Bisphenol A from Aqueous Solution by Activated Carbon Derived from Oil Palm Empty Fruit Bunch. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	60
10	Impacts of land-use and climate variability on hydrological components in the Johor River basin, Malaysia. <i>Hydrological Sciences Journal</i> , 2015, , 1-17.	1.2	60
11	Recent progress on Fe-based nanoparticles: Synthesis, properties, characterization and environmental applications. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3537-3553.	3.3	59
12	Adsorption Characteristics of Bisphenol A onto Low-Cost Modified Phyto-Waste Material in Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	58
13	Rainfall Characteristics and Regionalization in Peninsular Malaysia Based on a High Resolution Gridded Data Set. <i>Water (Switzerland)</i> , 2016, 8, 500.	1.2	54
14	Rainfall-runoff Responses and Roles of Soil Moisture Variations to the Response in Tropical Rain Forest, Bukit Tarek, Peninsular Malaysia. <i>Journal of Forest Research</i> , 1997, 2, 125-132.	0.7	53
15	A reusable electrospun PVDF-PVP-MnO <sub>2</sub> nanocomposite membrane for bisphenol A removal from drinking water. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5801-5811.	3.3	50
16	Performance of small and large scales rainwater harvesting systems in commercial buildings under different reliability and future water tariff scenarios. <i>Science of the Total Environment</i> , 2018, 636, 1171-1179.	3.9	50
17	Changes in precipitation extremes over the Kelantan River Basin, Malaysia. <i>International Journal of Climatology</i> , 2017, 37, 3780-3797.	1.5	49
18	Trend analysis and change point detection of annual and seasonal temperature series in Peninsular Malaysia. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 565-581.	0.9	49

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19	Evaluation of reference evapotranspiration models and determination of crop coefficient for <i>Momordica charantia</i> and <i>Capsicum annuum</i> . <i>Agricultural Water Management</i> , 2016, 169, 77-89.	2.4	42
20	Fabrication, characterization and application of laccase-nylon 6,6/Fe <sup>3+</sup> composite nanofibrous membrane for 3,3'-dimethoxybenzidine detoxification. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 191-200.	1.7	40
21	Flood damage and risk assessment for urban area in Malaysia. <i>Hydrology Research</i> , 2021, 52, 142-159.	1.1	37
22	Trivariate copula in drought analysis: a case study in peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 2019, 138, 657-671.	1.3	34
23	Export of dissolved and undissolved nutrients from forested catchments in Peninsular Malaysia. <i>Forest Ecology and Management</i> , 2006, 224, 26-44.	1.4	32
24	Relationship between sediment build-up characteristics and antecedent dry days on different urban road surfaces in Malaysia. <i>Urban Water Journal</i> , 2015, 12, 240-247.	1.0	31
25	Triclosan removal by adsorption using activated carbon derived from waste biomass: Isotherms and kinetic studies. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 951-959.	0.8	30
26	A Calibrated, Watershed-Specific SCS-CN Method: Application to Wangjiaqiao Watershed in the Three Gorges Area, China. <i>Water (Switzerland)</i> , 2020, 12, 60.	1.2	28
27	Suspended solids discharge from a small forested basin in the humid tropics. <i>Hydrological Processes</i> , 2004, 18, 721-738.	1.1	26
28	A new rainfall forecasting model using the CAPSO algorithm and an artificial neural network. <i>Neural Computing and Applications</i> , 2016, 27, 2551-2565.	3.2	25
29	A Modified Methylation Method to Determine Fatty Acid Content by Gas Chromatography. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 3239-3242.	1.0	24
30	Predicting the Habitat Suitability of <i>Melaleuca cajuputi</i> Based on the MaxEnt Species Distribution Model. <i>Forests</i> , 2021, 12, 1449.	0.9	22
31	Rainfall characterisation by application of standardised precipitation index (SPI) in Peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 2014, 115, 503-516.	1.3	20
32	Simultaneous determination of three organophosphorus pesticides in different food commodities by gas chromatography with mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 2276-2283.	1.3	20
33	Adaptability of rainfall simulators as a research tool on urban sealed surfaces – a review. <i>Hydrological Sciences Journal</i> , 2017, 62, 996-1012.	1.2	19
34	Removal of bisphenol A by adsorption mechanism using PES-SiO <sub>2</sub> composite membranes. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1959-1969.	1.2	18
35	Optimum combination of pond volume and outlet capacity of a stormwater detention pond using particle swarm optimization. <i>Urban Water Journal</i> , 2014, 11, 127-136.	1.0	17
36	RAINFALL ANALYSIS OF THE KELANTAN BIG YELLOW FLOOD 2014. <i>Jurnal Teknologi (Sciences and)</i> 17(1):10-17	0.3	17

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37	Spatial and temporal variabilities of rainfall data using functional data analysis. Theoretical and Applied Climatology, 2017, 129, 229-242.	1.3	17
38	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
39	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
40	Determination of minimum inter-event time for storm characterisation in Johor, Malaysia. Journal of Flood Risk Management, 2018, 11, .	1.6	15
41	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
42	Determination of Paraquat Dichloride from Water Samples Using Differential Pulse Cathodic Stripping Voltammetry. Russian Journal of Electrochemistry, 2018, 54, 1155-1163.	0.3	15
43	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
44	Urban Flood Depth Estimate With a New Calibrated Curve Number Runoff Prediction Model. IEEE Access, 2020, 8, 10915-10923.	2.6	14
45	Drought Variability and Characteristics in the Muda River Basin of Malaysia from 1985 to 2019. Atmosphere, 2021, 12, 1210.	1.0	14
46	Flood Frequency Analysis Based on t-copula for Johor River, Malaysia. Journal of Applied Sciences, 2013, 13, 1021-1028.	0.1	14
47	Development and validation of a selective, sensitive and stability indicating UPLC-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
48	Modeling the Distributions of Flood Characteristics for a Tropical River Basin. Journal of Environmental Science and Technology, 2012, 5, 419-429.	0.3	13
49	The Removal of Bisphenol A in Water Treatment Plant Using Ultrafiltration Membrane System. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	12
50	Runoff quality and pollution loadings from a tropical urban catchment. Water Science and Technology, 2005, 52, 125-32.	1.2	12
51	Photocatalytic degradation of spilled oil in sea water using maghemite nanoparticles. Desalination and Water Treatment, 2016, 57, 5837-5841.	1.0	11
52	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
53	Simulation of Flood Extent Mapping by InfoWorks RS-Case Study for Tropical Catchment. Journal of Software Engineering, 2011, 5, 127-135.	0.2	11
54	Impact of El Niño on Oil Palm Yield in Malaysia. Agronomy, 2021, 11, 2189.	1.3	11

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55	FLOOD RISK ASSESSMENT: A REVIEW OF FLOOD DAMAGE ESTIMATION MODEL FOR MALAYSIA. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.3	10
56	Statistical and Type II Error Assessment of a Runoff Predictive Model in Peninsula Malaysia. Mathematics, 2021, 9, 812.	1.1	9
57	Development of a Local, Integrated Disaster Risk Assessment Framework for Malaysia. Sustainability, 2021, 13, 10792.	1.6	8
58	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
59	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
60	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
61	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
62	Bivariate copulas functions for flood frequency analysis. AIP Conference Proceedings, 2016, , .	0.3	6
63	Determination of stormwater first flush treatment strategies at tropical urban catchments. , 0, 79, 196-203.		6
64	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
65	Frequency Analysis of Annual Maximum Flood for Segamat River. MATEC Web of Conferences, 2017, 103, 04003.	0.1	5
66	Impact of forest conversion to agricultural plantation on soil erosion. MATEC Web of Conferences, 2018, 250, 04004.	0.1	5
67	Soil erosion in disturbed forests and agricultural plantations in tropical undulating terrain: <i>in situ</i> measurement using a laser erosion bridge method. Journal of Water and Climate Change, 2020, 11, 1032-1041.	1.2	5
68	Flood Damage Function Model for Residential area in Kuantan: A Preliminary Study. International Journal of Integrated Engineering, 2019, 11, .	0.2	5
69	Seasonal Soil Water Storage Changes In a tropical Rain Forest in Peninsular Malaysia.. Suimon Mizu Shigen Gakkaishi, 2000, 13, 206-215.	0.1	5
70	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
71	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
72	Integrating manual calibration and auto-calibration of SWAT model in Muar Watershed, Johor. , 2016, , .		4

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73	Subseasonal to multidecadal variability of northeast monsoon daily rainfall over Peninsular Malaysia using a hidden Markov model. <i>Theoretical and Applied Climatology</i> , 2017, 129, 577-586.	1.3	4
74	Throughfall at an Abandoned Skid Trail in a Tropical Rain Forest in Peninsular Malaysia. <i>Japan Agricultural Research Quarterly</i> , 2018, 52, 63-75.	0.1	4
75	Nylon 6,6 modified screen printed carbon electrodes as electrochemical sensors for rapid chlorothalonil determination in water samples using differential pulse cathodic stripping voltammetry. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 294-302.	0.7	4
76	Comparison of Semivariogram Models in Rain Gauge Network Design. <i>Matematika</i> , 0, , 157-170.	0.0	4
77	Effect of the tide on flood modeling and mapping in Kota Tinggi, Johor, Malaysia. <i>Natural Hazards</i> , 2022, 112, 2053-2081.	1.6	4
78	Composition of deposited sediment and its temporal variation in a disturbed tropical catchment in the Kelantan river basin, Peninsular Malaysia. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71881-71896.	2.7	4
79	Measuring volatility persistence on rainfall records with the hybrid of autoregressive fractional integrated moving average (ARFIMA) - hidden Markov model (HMM). , 2015, , .		3
80	A comparison of current and design operational efficiencies of scavenger wells in lower Indus Basin of Pakistan and possibility of upconing problem. <i>Arabian Journal of Geosciences</i> , 2015, 8, 8669-8680.	0.6	3
81	Evaluation of stormwater runoff quality during monsoon and inter-monsoon seasons at tropical urban catchments. <i>International Journal of River Basin Management</i> , 2016, 14, 75-82.	1.5	3
82	Quantifying the quality and sampling time of oil and grease in urban stormwater runoff. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 1087-1095.	0.9	3
83	Environmental Forensics: A Multi-catchment Approach to Detect Origin of Sediment Featuring Two Pilot Projects in Malaysia. <i>Community, Environment and Disaster Risk Management</i> , 2018, , 49-61.	0.1	3
84	Green sensors for voltammetric determination of lindane in water samples using bare and nylon 6,6 modified pencil electrodes. <i>Analytical Methods</i> , 2019, 11, 4899-4909.	1.3	3
85	Comparison of Cost Benefits of New Installation and Retrofitted Rainwater Harvesting Systems for Commercial Buildings. <i>Green Energy and Technology</i> , 2019, , 169-174.	0.4	3
86	Exploring awareness and application of disaster risk management cycle (DRMC) from stakeholder's perspective. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2022, 13, 470-483.	0.7	3
87	Contributions of Dry and Wet Weather Runoffs to Annual Pollutant Loading in Tropical Urban Catchments. <i>Lecture Notes in Civil Engineering</i> , 2019, , 1511-1521.	0.3	3
88	Formulation of Parsimonious Urban Flash Flood Predictive Model with Inferential Statistics. <i>Mathematics</i> , 2022, 10, 175.	1.1	3
89	Reliability and Economic Analysis of a Rainwater-Harvesting System for a Commercial Building with a Large Rooftop Area. <i>ACS ES&amp;T Water</i> , 2022, 2, 604-615.	2.3	3
90	Multivariate Analysis on Heavy Metals Distribution in Tropical Reservoir. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2015, 9, 916-921.	0.1	2

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91	A simple, selective, and sensitive gas chromatography–mass spectrometry method for the analysis of five process-related impurities in atenolol bulk drug and capsule formulations. <i>Journal of Separation Science</i> , 2017, 40, 3086-3093.	1.3	2
92	A simple voltammetric determination of metsulfuron-methyl in water samples using differential pulse cathodic stripping voltammetry. <i>Journal of Pesticide Sciences</i> , 2017, 42, 39-44.	0.8	2
93	MITIGATION OF TIME SERIES APPROACH ON CLIMATE CHANGE ADAPTATION ON RAINFALL OF WADI AL-AQIQ, MADINAH, SAUDI ARABIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.3	2
94	Derivation of Region-specific Curve Number for an Improved Runoff Prediction Accuracy. <i>Community, Environment and Disaster Risk Management</i> , 2018, , 37-48.	0.1	2
95	Evaluation of phase transformation behaviors of zeolite and antibacterial properties against Gram-positive and -negative bacteria. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 2042-2049.	0.8	2
96	Flood Catastrophes in a Changing Environment. <i>Hydrology Research</i> , 2021, 52, 1-3.	1.1	2
97	Construction of Dependence Structure for Rainfall Stations by Joining Time Series Models with Copula Method. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2021, 17, 306-320.	0.4	2
98	Advances in Drug Discovery: Impact of Genomics and Role of Analytical Instrumentation. <i>Current Drug Discovery Technologies</i> , 2016, 13, 211-224.	0.6	2
99	HYDROLOGICAL MODELLING OF UNGAUGED ARID VOLCANIC ENVIRONMENTS AT UPPER BATHAN CATCHMENT, MADINAH, SAUDI ARABIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	1
100	Effects of Topographic Heterogeneity on Coarse Resolution Grid-Based Runoff Simulation—Assessment for Three River Basins in Peninsular Malaysia. <i>Environmental Modeling and Assessment</i> , 2018, 23, 277-288.	1.2	1
101	Using georadar as a dam pore water pressure measurement – case study of Sutami Dam. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
102	Detection of seepage source path location in Selorejo downstream foothill dam using georadar. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
103	Tracing Non-point Source Sediment Using Environmental Forensic Approach: Case Study in Kelantan River Basin, Malaysia. <i>Community, Environment and Disaster Risk Management</i> , 2021, , 173-185.	0.1	1
104	Special issue on Challenges in Environmental Science and Engineering (CESE-2014) 12–16 October 2014, Johor Bahru, Malaysia. <i>Desalination and Water Treatment</i> , 2016, 57, 7605-7606.	1.0	0
105	Kelantan Daily Rainfall Datasets: Persistence in Nature. <i>Community, Environment and Disaster Risk Management</i> , 2018, , 121-131.	0.1	0
106	Evaluation of diversion channel capacity using flood hydrodynamic modeling. , 2016, , .		0
107	Water research productivity, trends and collaborations in Malaysia between 1964 to 2012. <i>Journal of Research Management and Governance</i> , 2018, 1, 1-30.	0.1	0
108	Claim Assessment of a Rainfall Runoff Model with Bootstrap. , 2019, , 287-293.		0