

# Guna A Hewa

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

404  
citations

840776

11  
h-index

752698

20  
g-index

28  
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28  
docs citations

28  
times ranked

474  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling hydrological losses for varying rainfall and moisture conditions in South Australian catchments. <i>Journal of Hydrology: Regional Studies</i> , 2015, 4, 1-21.	2.4	63
2	A Comparison of Continuous and Event-Based Rainfall-Runoff (RR) Modelling Using EPA-SWMM. <i>Water (Switzerland)</i> , 2019, 11, 611.	2.7	43
3	The Use of PCSWMM for Assessing the Impacts of Land Use Changes on Hydrological Responses and Performance of WSUD in Managing the Impacts at Myponga Catchment, South Australia. <i>Water (Switzerland)</i> , 2016, 8, 511.	2.7	42
4	Variability of annual daily maximum rainfall of Dhaka, Bangladesh. <i>Atmospheric Research</i> , 2014, 137, 176-182.	4.1	37
5	Bio-fouling of subsurface type drip emitters applying reclaimed water under medium soil thermal variation. <i>Agricultural Water Management</i> , 2014, 133, 12-23.	5.6	28
6	Generalized extreme value distribution fitted by LH moments for low-flow frequency analysis. <i>Water Resources Research</i> , 2007, 43, .	4.2	22
7	Applying multi-criteria decision analysis to select WSUD and LID technologies. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 844-853.	2.1	19
8	Can water sensitive urban design systems help to preserve natural channel-forming flow regimes in an urbanised catchment?. <i>Water Science and Technology</i> , 2016, 73, 78-87.	2.5	18
9	Spectrophotometric Online Detection of Drinking Water Disinfectant: A Machine Learning Approach. <i>Sensors</i> , 2020, 20, 6671.	3.8	16
10	The sensitivity of catchment hypsometry and hypsometric properties to DEM resolution and polynomial order. <i>Geomorphology</i> , 2018, 309, 112-120.	2.6	15
11	Review of Nitrification Monitoring and Control Strategies in Drinking Water System. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4003.	2.6	13
12	Modelling and Incorporating the Variable Demand Patterns to the Calibration of Water Distribution System Hydraulic Model. <i>Water (Switzerland)</i> , 2021, 13, 2890.	2.7	11
13	Development of hydrological tools using extreme rainfall events for Dhaka, Bangladesh. <i>Water International</i> , 2012, 37, 43-52.	1.0	9
14	Review of chloramine decay models in drinking water system. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 926-948.	2.4	9
15	Link between Flow Regime and the Catchment Hypsometry: Analysis of South Australian Basins. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1287-1295.	1.9	8
16	Probability distributions for explaining hydrological losses in South Australian catchments. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 4541-4553.	4.9	8
17	Development of an Optical Method to Monitor Nitrification in Drinking Water. <i>Sensors</i> , 2021, 21, 7525.	3.8	8
18	Introducing leaky-well concept for stormwater quantity control in Dhaka, Bangladesh. <i>Applied Water Science</i> , 2013, 3, 115-123.	5.6	7

#	ARTICLE	IF	CITATIONS
19	Thermal variation and pressure compensated emitters. <i>Agricultural Water Management</i> , 2016, 176, 29-39.	5.6	7
20	Performance Evaluation of Stormwater Management Systems and Its Impact on Development Costing. <i>Water (Switzerland)</i> , 2020, 12, 375.	2.7	5
21	Evaluating the Performance of a Hydrological Model to Represent Curbside Distributed Infiltration Wells in a Residential Catchment. <i>Journal of Hydrologic Engineering - ASCE</i> , 2021, 26, .	1.9	4
22	Analyzing the impact of hydrological storage and connected impervious area on the performance of distributed kerbside infiltration systems in an urban catchment. <i>Journal of Hydrology</i> , 2022, 608, 127625.	5.4	3
23	Characterizing the Stormwater Runoff Quality and Evaluating the Performance of Curbside Infiltration Systems to Improve Stormwater Quality of an Urban Catchment. <i>Water (Switzerland)</i> , 2022, 14, 14.	2.7	3
24	Improving stream low flow regimes in urbanised catchments using water sensitive urban design techniques. <i>Australian Journal of Water Resources</i> , 2008, 12, 121-132.	2.7	2
25	Challenges in Quantifying Losses in a Partly Urbanised Catchment: A South Australian Case Study. <i>Water (Switzerland)</i> , 2022, 14, 1313.	2.7	2
26	Design criteria for channel-forming flows in waterways of urbanising catchments. <i>Australian Journal of Water Resources</i> , 2012, 15, .	2.7	1
27	Assessing the ability of infiltration-based WSUD systems to manage channel-forming flow regimes in greenfield catchment developments: a catchment scale investigation. , 0, , .		1
28	Development and Comparison of Water Quality Network Model and Data Analytics Model for Monochloramine Decay Prediction. <i>Water (Switzerland)</i> , 2022, 14, 2021.	2.7	0