

# Muhammad Atiq Ur Rehman Tariq

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

208  
citations

6  
h-index

13  
g-index

44  
ext. papers

331  
ext. citations

3.1  
avg, IF

3.65  
L-index

#	Paper	IF	Citations
40	Floods and flood management in Pakistan. <i>Physics and Chemistry of the Earth</i> , <b>2012</b> , 47-48, 11-20	3	83
39	Risk-based flood zoning employing expected annual damages: the Chenab River case study. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2013</b> , 27, 1957-1966	3.5	26
38	Development of a risk-based framework to integrate flood insurance. <i>Journal of Flood Risk Management</i> , <b>2014</b> , 7, 291-307	3.1	16
37	An Engineering Perspective of Water Sharing Issues in Pakistan. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 477	3	13
36	Modeling Surface Water Quality Using the Adaptive Neuro-Fuzzy Inference System Aided by Input Optimization. <i>Sustainability</i> , <b>2021</b> , 13, 4576	3.6	11
35	A Critical Review of Flood Risk Management and the Selection of Suitable Measures. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8752	2.6	10
34	Risk-Based Design of Dike Elevation Employing Alternative Enumeration. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2014</b> , 140, 05014002	2.8	6
33	Smart City-Ranking of Major Australian Cities to Achieve a Smarter Future. <i>Sustainability</i> , <b>2020</b> , 12, 2797	3.6	5
32	Quantifying the Benefits and Ecosystem Services Provided by Green Roofs: A Review. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 68	3	5
31	An Evaluation of Risk-Based Agricultural Land-Use Adjustments under a Flood Management Strategy in a Floodplain. <i>Hydrology</i> , <b>2021</b> , 8, 53	2.8	3
30	A Critical Review of Water Resources and Their Management in Bhutan. <i>Hydrology</i> , <b>2021</b> , 8, 31	2.8	3
29	An Overview of Groundwater Monitoring through Point-to-Satellite-Based Techniques. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 565	3	3
28	Multi-Expression Programming (MEP): Water Quality Assessment Using Water Quality Indices. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 947	3	3
27	An Investigation to Identify the Effectiveness of Socioeconomic, Demographic, and Buildings Characteristics on Surface Urban Heat Island Patterns. <i>Sustainability</i> , <b>2022</b> , 14, 2777	3.6	2
26	Revisiting the Indus Basin Model for an Energy Sustainable Pakistan. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 702	3	2
25	Impacts of Climate Alteration on the Hydrology of the Yarra River Catchment, Australia Using GCMs and SWAT Model. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 445	3	1
24	Vulnerability Assessment of Ubiquitous Cities Using the Analytic Hierarchy Process. <i>Future Internet</i> , <b>2020</b> , 12, 235	3.3	1

23	Identification of Major Inefficient Water Consumption Areas Considering Water Consumption, Efficiencies, and Footprints in Australia. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6156	2.6	1
22	Development of a Preliminary-Risk-Based Flood Management Approach to Address the Spatiotemporal Distribution of Risk under the Kaldor-Hicks Compensation Principle. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 9045	2.6	1
21	Evaluation of Conventional and Sustainable Modifiers to Improve the Stiffness Behavior of Weak Sub-Grade Soil. <i>Sustainability</i> , <b>2022</b> , 14, 2493	3.6	1
20	Distribution of Phosphorus Fractions in Orchard Soils in Relation to Soil Properties and Foliar P Contents. <i>Sustainability</i> , <b>2022</b> , 14, 3966	3.6	1
19	Performance Evaluation of Phase Change Materials to Reduce the Cooling Load of Buildings in a Tropical Climate. <i>Sustainability</i> , <b>2022</b> , 14, 3171	3.6	1
18	An Investigation of Mechanical Properties of Concrete by Applying Sand Coating on Recycled High-Density Polyethylene (HDPE) and Electronic-Wastes (E-Wastes) Used as a Partial Replacement of Natural Coarse Aggregates. <i>Sustainability</i> , <b>2022</b> , 14, 4087	3.6	1
17	Reducing the Cooling Loads of Buildings Using Shading Devices: A Case Study in Darwin. <i>Sustainability</i> , <b>2022</b> , 14, 3775	3.6	1
16	Achieving Sustainability and Carbon Neutrality in Higher Education Institutions: A Review. <i>Sustainability</i> , <b>2022</b> , 14, 222	3.6	1
15	Investigating the Relationship between Human Activity and the Urban Heat Island Effect in Melbourne and Four Other International Cities Impacted by COVID-19. <i>Sustainability</i> , <b>2022</b> , 14, 378	3.6	1
14	Development of a Hydrodynamic-Based Flood-Risk Management Tool for Assessing Redistribution of Expected Annual Damages in a Floodplain. <i>Water (Switzerland)</i> , <b>2021</b> , 13, 3562	3	1
13	Flood Risk Perception and Its Attributes among Rural Households under Developing Country Conditions: The Case of Pakistan. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 992	3	1
12	An Analysis of Driving Behavior of Educated Youth in Bangladesh Considering Physiological, Cultural and Socioeconomic Variables. <i>Sustainability</i> , <b>2022</b> , 14, 5134	3.6	1
11	Prediction of Sediment Yield in a Data-Scarce River Catchment at the Sub-Basin Scale Using Gridded Precipitation Datasets. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1480	3	1
10	Smart City Ranking System: A Supporting Tool to Manage Migration Trends for Australian Cities. <i>Infrastructures</i> , <b>2021</b> , 6, 37	2.6	0
9	Classification of Pharynx from MRI Using a Visual Analysis Tool to Study Obstructive Sleep Apnea. <i>Current Medical Imaging</i> , <b>2021</b> , 17, 613-622	1.2	0
8	Development of an Analytical Model for the FRP Retrofitted Deficient Interior Reinforced Concrete Beam-Column Joints. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2339	2.6	0
7	Evolutionary Algorithm-Based Modeling of Split Tensile Strength of Foundry Sand-Based Concrete. <i>Sustainability</i> , <b>2022</b> , 14, 3274	3.6	0
6	A Hydraulic Analysis of Shock Wave Generation Mechanism on Flat Spillway Chutes through Physical Modeling. <i>Hydrology</i> , <b>2021</b> , 8, 186	2.8	0

5	Development of a Cost-Based Design Model for Spread Footings in Cohesive Soils. <i>Sustainability</i> , <b>2022</b> , 14, 5699	3.6	o
4	An Energy Performance Evaluation of Commercially Available Window Glazing in Darwin's Tropical Climate. <i>Sustainability</i> , <b>2022</b> , 14, 2394	3.6	
3	Flood Exposure and Social Vulnerability Analysis in Rural Areas of Developing Countries: An Empirical Study of Charsadda District, Pakistan. <i>Water (Switzerland)</i> , <b>2022</b> , 14, 1176	3	
2	An Estimation of the Anthropogenic Heat Emissions in Darwin City Using Urban Microclimate Simulations. <i>Sustainability</i> , <b>2022</b> , 14, 5218	3.6	
1	Prediction of Bidirectional Shear Strength of Rectangular RC Columns Subjected to Multidirectional Earthquake Actions for Collapse Prevention. <i>Sustainability</i> , <b>2022</b> , 14, 6801	3.6	