

Muhammad Atiq Ur Rehman Tariq

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Impacts of Climate Alteration on the Hydrology of the Yarra River Catchment, Australia Using GCMs and SWAT Model. <i>Water (Switzerland)</i> , 2022, 14, 445.	1.2	3
2	An Energy Performance Evaluation of Commercially Available Window Glazing in Darwin's Tropical Climate. <i>Sustainability</i> , 2022, 14, 2394.	1.6	1
3	An Investigation to Identify the Effectiveness of Socioeconomic, Demographic, and Buildings' Characteristics on Surface Urban Heat Island Patterns. <i>Sustainability</i> , 2022, 14, 2777.	1.6	8
4	Development of an Analytical Model for the FRP Retrofitted Deficient Interior Reinforced Concrete Beam-Column Joints. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2339.	1.3	3
5	Revisiting the Indus Basin Model for an Energy Sustainable Pakistan. <i>Water (Switzerland)</i> , 2022, 14, 702.	1.2	4
6	An Overview of Groundwater Monitoring through Point-to-Satellite-Based Techniques. <i>Water (Switzerland)</i> , 2022, 14, 565.	1.2	15
7	Evaluation of Conventional and Sustainable Modifiers to Improve the Stiffness Behavior of Weak Sub-Grade Soil. <i>Sustainability</i> , 2022, 14, 2493.	1.6	7
8	Distribution of Phosphorus Fractions in Orchard Soils in Relation to Soil Properties and Foliar P Contents. <i>Sustainability</i> , 2022, 14, 3966.	1.6	3
9	Evolutionary Algorithm-Based Modeling of Split Tensile Strength of Foundry Sand-Based Concrete. <i>Sustainability</i> , 2022, 14, 3274.	1.6	3
10	Eco-Friendly Incorporation of Crumb Rubber and Waste Bagasse Ash in Bituminous Concrete Mix. <i>Materials</i> , 2022, 15, 2509.	1.3	3
11	Performance Evaluation of Phase Change Materials to Reduce the Cooling Load of Buildings in a Tropical Climate. <i>Sustainability</i> , 2022, 14, 3171.	1.6	10
12	Multi-Expression Programming (MEP): Water Quality Assessment Using Water Quality Indices. <i>Water (Switzerland)</i> , 2022, 14, 947.	1.2	15
13	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> , 2022, 14, 4087.	1.6	5
14	Reducing the Cooling Loads of Buildings Using Shading Devices: A Case Study in Darwin. <i>Sustainability</i> , 2022, 14, 3775.	1.6	7
15	Flood Exposure and Social Vulnerability Analysis in Rural Areas of Developing Countries: An Empirical Study of Charsadda District, Pakistan. <i>Water (Switzerland)</i> , 2022, 14, 1176.	1.2	12
16	Achieving Sustainability and Carbon Neutrality in Higher Education Institutions: A Review. <i>Sustainability</i> , 2022, 14, 222.	1.6	20
17	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> , 2022, 14, 378.	1.6	5
18	Quantifying the Benefits and Ecosystem Services Provided by Green Roofs: A Review. <i>Water (Switzerland)</i> , 2022, 14, 68.	1.2	17

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19	Flood Risk Perception and Its Attributes among Rural Households under Developing Country Conditions: The Case of Pakistan. <i>Water (Switzerland)</i> , 2022, 14, 992.	1.2	22
20	An Estimation of the Anthropogenic Heat Emissions in Darwin City Using Urban Microclimate Simulations. <i>Sustainability</i> , 2022, 14, 5218.	1.6	1
21	An Analysis of Driving Behavior of Educated Youth in Bangladesh Considering Physiological, Cultural and Socioeconomic Variables. <i>Sustainability</i> , 2022, 14, 5134.	1.6	2
22	Prediction of Sediment Yield in a Data-Scarce River Catchment at the Sub-Basin Scale Using Gridded Precipitation Datasets. <i>Water (Switzerland)</i> , 2022, 14, 1480.	1.2	9
23	Development of a Cost-Based Design Model for Spread Footings in Cohesive Soils. <i>Sustainability</i> , 2022, 14, 5699.	1.6	3
24	Prediction of Bidirectional Shear Strength of Rectangular RC Columns Subjected to Multidirectional Earthquake Actions for Collapse Prevention. <i>Sustainability</i> , 2022, 14, 6801.	1.6	1
25	Effective Realization of Multi-Objective Elitist Teaching-Learning Based Optimization Technique for the Micro-Siting of Wind Turbines. <i>Sustainability</i> , 2022, 14, 8458.	1.6	4
26	Identification of Embodied Environmental Attributes of Construction in Metropolitan and Growth Region of Melbourne, Australia to Support Urban Planning. <i>Sustainability</i> , 2022, 14, 8401.	1.6	3
27	A Critical Review of Water Resources and Their Management in Bhutan. <i>Hydrology</i> , 2021, 8, 31.	1.3	11
28	An Evaluation of Risk-Based Agricultural Land-Use Adjustments under a Flood Management Strategy in a Floodplain. <i>Hydrology</i> , 2021, 8, 53.	1.3	5
29	Smart City Ranking System: A Supporting Tool to Manage Migration Trends for Australian Cities. <i>Infrastructures</i> , 2021, 6, 37.	1.4	3
30	Modeling Surface Water Quality Using the Adaptive Neuro-Fuzzy Inference System Aided by Input Optimization. <i>Sustainability</i> , 2021, 13, 4576.	1.6	25
31	Classification of Pharynx from MRI Using a Visual Analysis Tool to Study Obstructive Sleep Apnea. <i>Current Medical Imaging</i> , 2021, 17, 613-622.	0.4	4
32	Development of a Hydrodynamic-Based Flood-Risk Management Tool for Assessing Redistribution of Expected Annual Damages in a Floodplain. <i>Water (Switzerland)</i> , 2021, 13, 3562.	1.2	2
33	A Hydraulic Analysis of Shock Wave Generation Mechanism on Flat Spillway Chutes through Physical Modeling. <i>Hydrology</i> , 2021, 8, 186.	1.3	4
34	Identification of Major Inefficient Water Consumption Areas Considering Water Consumption, Efficiencies, and Footprints in Australia. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6156.	1.3	4
35	Optimal Octagonal Hooked Collar Countermeasure to Reduce Scour Around a Single Bridge Pier. <i>Periodica Polytechnica: Civil Engineering</i> , 2020, , .	0.6	3
36	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> , 2020, 10, 9045.	1.3	1

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37	A Critical Review of Flood Risk Management and the Selection of Suitable Measures. Applied Sciences (Switzerland), 2020, 10, 8752.	1.3	34
38	Smart City-Ranking of Major Australian Cities to Achieve a Smarter Future. Sustainability, 2020, 12, 2797.	1.6	14
39	An Engineering Perspective of Water Sharing Issues in Pakistan. Water (Switzerland), 2020, 12, 477.	1.2	28
40	Vulnerability Assessment of Ubiquitous Cities Using the Analytic Hierarchy Process. Future Internet, 2020, 12, 235.	2.4	1
41	Risk-Based Design of Dike Elevation Employing Alternative Enumeration. Journal of Water Resources Planning and Management - ASCE, 2014, 140, .	1.3	7
42	Development of a risk-based framework to integrate flood insurance. Journal of Flood Risk Management, 2014, 7, 291-307.	1.6	20
43	Risk-based flood zoning employing expected annual damages: the Chenab River case study. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1957-1966.	1.9	31
44	Floods and flood management in Pakistan. Physics and Chemistry of the Earth, 2012, 47-48, 11-20.	1.2	109