

Ijaz Ahmad

List of Publications by Year in Descending Order

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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.

49
papers

590
citations

11
h-index

23
g-index

56
ext. papers

820
ext. citations

2.3
avg, IF

4.2
L-index

#	Paper	IF	Citations
49	Developing monthly hydrometeorological timeseries forecasts to reservoir operation in a transboundary river catchment. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 1663-1674	3	0
48	Spatiotemporal Analysis of Drought and Agriculture Standardized Residual Yield Series Nexuses across Punjab, Pakistan. <i>Water (Switzerland)</i> , 2022 , 14, 496	3	2
47	Flood Management, Characterization and Vulnerability Analysis Using an Integrated RS-GIS and 2D Hydrodynamic Modelling Approach: The Case of Deg Nullah, Pakistan. <i>Remote Sensing</i> , 2022 , 14, 2138	5	0
46	Innovative Trend Analysis of High-Altitude Climatology of Kashmir Valley, North-West Himalayas. <i>Atmosphere</i> , 2022 , 13, 764	2.7	2
45	Shifting of Meteorological to Hydrological Drought Risk at Regional Scale. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 5560	2.6	1
44	A Bilevel Multiobjective Model for Optimal Allocation of Water Resources in the Punjab Province of Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 10597	2.5	1
43	Streamflow Variations in Monthly, Seasonal, Annual and Extreme Values Using Mann-Kendall, Spearman's Rho and Innovative Trend Analysis. <i>Water Resources Management</i> , 2021 , 35, 243-261	3.7	16
42	Impact of Urbanization on Groundwater Levels in Rawalpindi City, Pakistan. <i>Pure and Applied Geophysics</i> , 2021 , 178, 491-500	2.2	6
41	Temporal Analysis for Detection of Anomalies in Precipitation Patterns over a Selected Area in the Indus Basin of Pakistan. <i>Pure and Applied Geophysics</i> , 2021 , 178, 651-669	2.2	0
40	Projected drought pattern under climate change scenario using multivariate analysis. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	5
39	Exchange Rate Forecasting Based on Combined Fuzzification Strategy and Advanced Optimization Algorithm. <i>Processes</i> , 2021 , 9, 2204	2.9	0
38	A Hydraulic Analysis of Shock Wave Generation Mechanism on Flat Spillway Chutes through Physical Modeling. <i>Hydrology</i> , 2021 , 8, 186	2.8	0
37	An Integrated Use of GIS, Geostatistical and Map Overlay Techniques for Spatio-Temporal Variability Analysis of Groundwater Quality and Level in the Punjab Province of Pakistan, South Asia. <i>Water (Switzerland)</i> , 2020 , 12, 3555	3	3
36	Event-Based Time Distribution Patterns, Return Levels, and Their Trends of Extreme Precipitation across Indus Basin. <i>Water (Switzerland)</i> , 2020 , 12, 3373	3	7
35	Spatiotemporal Variability in the Hydrometeorological Time-Series over Upper Indus River Basin of Pakistan. <i>Advances in Meteorology</i> , 2020 , 2020, 1-18	1.7	11
34	Delineation of regional groundwater vulnerability using DRASTIC model for agricultural application in Pakistan. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	10
33	Satellite precipitation product: Applicability and accuracy evaluation in diverse region. <i>Science China Technological Sciences</i> , 2020 , 63, 819-828	3.5	6

32	Experimental and numerical studies on orifice spillway aerator of Bunji Dam 2020 , 43, 27-36		3
31	Statistical Downscaling and Hydrological Modeling-Based Runoff Simulation in Trans-Boundary Mangla Watershed Pakistan. <i>Water (Switzerland)</i> , 2020 , 12, 3254	3	1
30	Effects of Elevated Air Temperature and CO ₂ on Maize Production and Water Use Efficiency under Future Climate Change Scenarios in Shaanxi Province, China. <i>Atmosphere</i> , 2020 , 11, 843	2.7	9
29	Spatiotemporal Dynamics of Precipitation in Southwest Arid-Agriculture Zones of Pakistan. <i>Sustainability</i> , 2020 , 12, 2305	3.6	9
28	To Develop a Crop Water Allocation Model for Optimal Water Allocation in the Warabandi Irrigation System. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 8585-8598	2.5	6
27	Finite-Difference Numerical Simulation of Dewatering System in a Large Deep Foundation Pit at Taunsa Barrage, Pakistan. <i>Sustainability</i> , 2019 , 11, 694	3.6	4
26	Assessing seasonal and long-term changes in groundwater quality due to over-abstraction using geostatistical techniques. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	11
25	Assessment of IMERG-V06 Precipitation Product over Different Hydro-Climatic Regimes in the Tianshan Mountains, North-Western China. <i>Remote Sensing</i> , 2019 , 11, 2314	5	29
24	Identifying Half-Century Precipitation Trends in a Chinese Lake Basin. <i>Polish Journal of Environmental Studies</i> , 2019 , 28, 1397-1412	2.3	4
23	Numerical Modeling for Hydrodynamics and Near-Surface Flow Patterns of a Tidal Confluence. <i>Journal of Coastal Research</i> , 2019 , 36, 295	0.6	1
22	Estimation of infiltration models parameters and their comparison to simulate the onsite soil infiltration characteristics. <i>International Journal of Agricultural and Biological Engineering</i> , 2019 , 12, 84-91	1.9	7
21	Rainfall-runoff modeling at Jinsha River basin by integrated neural network with discrete wavelet transform. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 115-125	2	19
20	Quantification of spatial temporal variability of snow cover and hydro-climatic variables based on multi-source remote sensing data in the Swat watershed, Hindukush Mountains, Pakistan. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 467-486	2	9
19	Performance evaluation of latest integrated multi-satellite retrievals for Global Precipitation Measurement (IMERG) over the northern highlands of Pakistan. <i>Atmospheric Research</i> , 2018 , 205, 134-146	5.4	79
18	Harmonious level indexing for ascertaining human-water relationships. <i>Environmental Earth Sciences</i> , 2018 , 77, 1	2.9	3
17	Spatiotemporal analysis of precipitation variability in annual, seasonal and extreme values over upper Indus River basin. <i>Atmospheric Research</i> , 2018 , 213, 346-360	5.4	65
16	A linear bi-level multi-objective program for optimal allocation of water resources. <i>PLoS ONE</i> , 2018 , 13, e0192294	3.7	15
15	Investigating Hydrological Responses and Adaptive Operation of a Hydropower Station under a Climate Change Scenario. <i>Polish Journal of Environmental Studies</i> , 2018 , 27, 2337-2348	2.3	2

14	Application of Integrated Artificial Neural Networks Based on Decomposition Methods to Predict Streamflow at Upper Indus Basin, Pakistan. <i>Atmosphere</i> , 2018 , 9, 494	2.7	14
13	Enumerating the Effects of Climate Change on Water Resources Using GCM Scenarios at the Xinjiang Watershed, China. <i>Water (Switzerland)</i> , 2018 , 10, 1296	3	12
12	Groundwater Vulnerability Mapping in Faisalabad District Using GIS Based Drastic Model. <i>MATEC Web of Conferences</i> , 2018 , 246, 01001	0.3	3
11	Optimization of Mangala Hydropower Station, Pakistan, using Optimization Techniques. <i>MATEC Web of Conferences</i> , 2017 , 136, 02010	0.3	1
10	Multi-objective Linear Programming for Optimal Water Allocation Based on Satisfaction and Economic Criterion. <i>Arabian Journal for Science and Engineering</i> , 2016 , 41, 1421-1433		6
9	Water Quality Assessment with Varied Lake Depths by Using Multivariate Statistical Approach. <i>Asian Journal of Water, Environment and Pollution</i> , 2016 , 13, 39-48	0.7	1
8	Using the SPI to Interpret Spatial and Temporal Conditions of Drought in China. <i>Outlook on Agriculture</i> , 2015 , 44, 235-241	2.9	4
7	Precipitation Trends over Time Using Mann-Kendall and Spearman's rho Tests in Swat River Basin, Pakistan. <i>Advances in Meteorology</i> , 2015 , 2015, 1-15	1.7	185
6	River-Human harmony model to evaluate the relationship between humans and water in river basin. <i>Current Science</i> , 2015 , 109, 1130	2.2	4
5	Urban River Pollution Control Based on Bacterial Technology. <i>Applied Mechanics and Materials</i> , 2014 , 692, 127-132	0.3	1
4	Assessment of Regional Water-Human Harmony Based on ANP-Entropy Model. <i>Applied Mechanics and Materials</i> , 2014 , 692, 121-126	0.3	5
3	Trend Analysis on Precipitation Time Series Data in Munda Catchment, Pakistan. <i>Applied Mechanics and Materials</i> , 2014 , 692, 97-102	0.3	1
2	Hydraulic Analysis of Submerged Spillway Flows and Performance Evaluation of Chute Aerator Using CFD Modeling: A Case Study of Mangla Dam Spillway. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 1	1.1	
1	Impact of meteorological drought on agriculture production at different scales in Punjab, Pakistan. <i>Journal of Water and Climate Change</i> ,	2.3	6