Ijaz Ahmad

List of Publications by Citations

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	Precipitation Trends over Time Using Mann-Kendall and Spearman's rho Tests in Swat River Basin, Pakistan. *Advances in Meteorology*, **2015**, 2015, 1-15	1.7	185
48	Performance evaluation of latest integrated multi-satellite retrievals for Global Precipitation Measurement (IMERG) over the northern highlands of Pakistan. *Atmospheric Research*, **2018**, 205, 134-146	5.4	79
47	Spatiotemporal analysis of precipitation variability in annual, seasonal and extreme values over upper Indus River basin. *Atmospheric Research*, **2018**, 213, 346-360	5.4	65
46	Assessment of IMERG-V06 Precipitation Product over Different Hydro-Climatic Regimes in the Tianshan Mountains, North-Western China. *Remote Sensing*, **2019**, 11, 2314	5	29
45	Rainfall-runoff modeling at Jinsha River basin by integrated neural network with discrete wavelet transform. *Meteorology and Atmospheric Physics*, **2019**, 131, 115-125	2	19
44	Streamflow Variations in Monthly, Seasonal, Annual and Extreme Values Using Mann-Kendall, Spearmen's Rho and Innovative Trend Analysis. *Water Resources Management*, **2021**, 35, 243-261	3.7	16
43	A linear bi-level multi-objective program for optimal allocation of water resources. *PLoS ONE*, **2018**, 13, e0192294	3.7	15
42	Application of Integrated Artificial Neural Networks Based on Decomposition Methods to Predict Streamflow at Upper Indus Basin, Pakistan. *Atmosphere*, **2018**, 9, 494	2.7	14
41	Enumerating the Effects of Climate Change on Water Resources Using GCM Scenarios at the Xin'anjiang Watershed, China. *Water (Switzerland)*, **2018**, 10, 1296	3	12
40	Spatiotemporal Variability in the Hydrometeorological Time-Series over Upper Indus River Basin of Pakistan. *Advances in Meteorology*, **2020**, 2020, 1-18	1.7	11
39	Assessing seasonal and long-term changes in groundwater quality due to over-abstraction using geostatistical techniques. *Environmental Earth Sciences*, **2019**, 78, 1	2.9	11
38	Delineation of regional groundwater vulnerability using DRASTIC model for agricultural application in Pakistan. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	10
37	Effects of Elevated Air Temperature and CO2 on Maize Production and Water Use Efficiency under Future Climate Change Scenarios in Shaanxi Province, China. *Atmosphere*, **2020**, 11, 843	2.7	9
36	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. *Meteorology and Atmospheric Physics*, **2019**, 131, 467-486	2	9
35	Spatiotemporal Dynamics of Precipitation in Southwest Arid-Agriculture Zones of Pakistan. *Sustainability*, **2020**, 12, 2305	3.6	9
34	Event-Based Time Distribution Patterns, Return Levels, and Their Trends of Extreme Precipitation across Indus Basin. *Water (Switzerland)*, **2020**, 12, 3373	3	7
33	Estimation of infiltration models parameters and their comparison to simulate the onsite soil infiltration characteristics. *International Journal of Agricultural and Biological Engineering*, **2019**, 12, 84-91	1.9	7

32	To Develop a Crop Water Allocation Model for Optimal Water Allocation in the Warabandi Irrigation System. *Arabian Journal for Science and Engineering*, **2019**, 44, 8585-8598	2.5	6
31	Satellite precipitation product: Applicability and accuracy evaluation in diverse region. *Science China Technological Sciences*, **2020**, 63, 819-828	3.5	6
30	Multi-objective Linear Programming for Optimal Water Allocation Based on Satisfaction and Economic Criterion. *Arabian Journal for Science and Engineering*, **2016**, 41, 1421-1433		6
29	Impact of Urbanization on Groundwater Levels in Rawalpindi City, Pakistan. *Pure and Applied Geophysics*, **2021**, 178, 491-500	2.2	6
28	Impact of meteorological drought on agriculture production at different scales in Punjab, Pakistan. *Journal of Water and Climate Change*,	2.3	6
27	Assessment of Regional Water-Human Harmony Based on ANP-Entropy Model. *Applied Mechanics and Materials*, **2014**, 692, 121-126	0.3	5
26	Projected drought pattern under climate change scenario using multivariate analysis. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	5
25	Finite-Difference Numerical Simulation of Dewatering System in a Large Deep Foundation Pit at Taunsa Barrage, Pakistan. *Sustainability*, **2019**, 11, 694	3.6	4
24	Using the SPI to Interpret Spatial and Temporal Conditions of Drought in China. *Outlook on Agriculture*, **2015**, 44, 235-241	2.9	4
23	Identifying Half-Century Precipitation Trends in a Chinese Lake Basin. *Polish Journal of Environmental Studies*, **2019**, 28, 1397-1412	2.3	4
22	River□human harmony model to evaluate the relationship between humans and water in river basin. *Current Science*, **2015**, 109, 1130	2.2	4
21	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. *Water (Switzerland)*, **2020**, 12, 3555	3	3
20	Harmonious level indexing for ascertaining human□water relationships. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	3
19	Experimental and numerical studies on orifice spillway aerator of Bunji Dam **2020**, 43, 27-36		3
18	Groundwater Vulnerability Mapping in Faisalabad District Using GIS Based Drastic Model. *MATEC Web of Conferences*, **2018**, 246, 01001	0.3	3
17	Spatiotemporal Analysis of Drought and Agriculture Standardized Residual Yield Series Nexuses across Punjab, Pakistan. *Water (Switzerland)*, **2022**, 14, 496	3	2
16	Investigating Hydrological Responses and Adaptive Operation of a Hydropower Station under a Climate Change Scenario. *Polish Journal of Environmental Studies*, **2018**, 27, 2337-2348	2.3	2
15	Innovative Trend Analysis of High-Altitude Climatology of Kashmir Valley, North-West Himalayas. *Atmosphere*, **2022**, 13, 764	2.7	2

14	Optimization of Mangala Hydropower Station, Pakistan, using Optimization Techniques. *MATEC Web of Conferences*, **2017**, 136, 02010	0.3	1
13	Urban River Pollution Control Based on Bacterial Technology. *Applied Mechanics and Materials*, **2014**, 692, 127-132	0.3	1
12	Trend Analysis on Precipitation Time Series Data in Munda Catchment, Pakistan. *Applied Mechanics and Materials*, **2014**, 692, 97-102	0.3	1
11	Numerical Modeling for Hydrodynamics and Near-Surface Flow Patterns of a Tidal Confluence. *Journal of Coastal Research*, **2019**, 36, 295	0.6	1
10	Statistical Downscaling and Hydrological Modeling-Based Runoff Simulation in Trans-Boundary Mangla Watershed Pakistan. *Water (Switzerland)*, **2020**, 12, 3254	3	1
9	A Bilevel Multiobjective Model for Optimal Allocation of Water Resources in the Punjab Province of Pakistan. *Arabian Journal for Science and Engineering*, **2021**, 46, 10597	2.5	1
8	Water Quality Assessment with Varied Lake Depths by Using Multivariate Statistical Approach. *Asian Journal of Water, Environment and Pollution*, **2016**, 13, 39-48	0.7	1
7	Shifting of Meteorological to Hydrological Drought Risk at Regional Scale. *Applied Sciences (Switzerland)*, **2022**, 12, 5560	2.6	1
6	Developing monthly hydrometeorological timeseries forecasts to reservoir operation in a transboundary river catchment. *Theoretical and Applied Climatology*, **2022**, 147, 1663-1674	3	0
5	Temporal Analysis for Detection of Anomalies in Precipitation Patterns over a Selected Area in the Indus Basin of Pakistan. *Pure and Applied Geophysics*, **2021**, 178, 651-669	2.2	0
4	Exchange Rate Forecasting Based on Combined Fuzzification Strategy and Advanced Optimization Algorithm. *Processes*, **2021**, 9, 2204	2.9	0
3	A Hydraulic Analysis of Shock Wave Generation Mechanism on Flat Spillway Chutes through Physical Modeling. *Hydrology*, **2021**, 8, 186	2.8	0
2	Flood Management, Characterization and Vulnerability Analysis Using an Integrated RS-GIS and 2D Hydrodynamic Modelling Approach: The Case of Deg Nullah, Pakistan. *Remote Sensing*, **2022**, 14, 2138	5	0
1	Hydraulic Analysis of Submerged Spillway Flows and Performance Evaluation of Chute Aerator Using CFD Modeling: A Case Study of Mangla Dam Spillway. *Iranian Journal of Science and Technology - Transactions of Civil Engineering*,1	1.1	