Ijaz Ahmad

List of Publications by Year
in descending order

54	1,104	567144 15	434063 31
papers	citations	h-index	g-index

56	56	56	1124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Precipitation Trends over Time Using Mann-Kendall and Spearmanâ€™s rho Tests in Swat River Basin, Pakistan. Advances in Meteorology, 2015, 2015, 1-15.	0.6	276
2	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.	1.8	132
3	Spatiotemporal analysis of precipitation variability in annual, seasonal and extreme values over upper Indus River basin. Atmospheric Research, 2018, 213, 346-360.	1.8	113
4	Assessment of IMERG-V06 Precipitation Product over Different Hydro-Climatic Regimes in the Tianshan Mountains, North-Western China. Remote Sensing, 2019, 11, 2314.	1.8	48
5	Streamflow Variations in Monthly, Seasonal, Annual and Extreme Values Using Mann-Kendall, Spearmenâ€™s Rho and Innovative Trend Analysis. Water Resources Management, 2021, 35, 243-261.	1.9	48
6	Rainfall-runoff modeling at Jinsha River basin by integrated neural network with discrete wavelet transform. Meteorology and Atmospheric Physics, 2019, 131, 115-125.	0.9	30
7	Impact of meteorological drought on agriculture production at different scales in Punjab, Pakistan. Journal of Water and Climate Change, 2022, 13, 113-124.	1.2	30
8	A linear bi-level multi-objective program for optimal allocation of water resources. PLoS ONE, 2018, 13, e0192294.	1.1	28
9	Spatiotemporal Variability in the Hydrometeorological Time-Series over Upper Indus River Basin of Pakistan. Advances in Meteorology, 2020, 2020, 1-18.	0.6	23
10	Application of Integrated Artificial Neural Networks Based on Decomposition Methods to Predict Streamflow at Upper Indus Basin, Pakistan. Atmosphere, 2018, 9, 494.	1.0	22
11	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.	1.0	22
12	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.	0.9	21
13	Delineation of regional groundwater vulnerability using DRASTIC model for agricultural application in Pakistan. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	21
14	Event-Based Time Distribution Patterns, Return Levels, and Their Trends of Extreme Precipitation across Indus Basin. Water (Switzerland), 2020, 12, 3373.	1.2	19
15	Assessing seasonal and long-term changes in groundwater quality due to over-abstraction using geostatistical techniques. Environmental Earth Sciences, 2019, 78, 1.	1.3	18
16	Spatiotemporal Dynamics of Precipitation in Southwest Arid-Agriculture Zones of Pakistan. Sustainability, 2020, 12, 2305.	1.6	18
17	Impact of Urbanization on Groundwater Levels in Rawalpindi City, Pakistan. Pure and Applied Geophysics, 2021, 178, 491-500.	0.8	18
18	Spatiotemporal Analysis of Drought and Agriculture Standardized Residual Yield Series Nexuses across Punjab, Pakistan. Water (Switzerland), 2022, 14, 496.	1.2	15

#	Article	IF	Citations
19	Enumerating the Effects of Climate Change on Water Resources Using GCM Scenarios at the Xinâ€™anjiang Watershed, China. Water (Switzerland), 2018, 10, 1296.	1.2	14
20	Projected drought pattern under climate change scenario using multivariate analysis. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	14
21	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.	0.3	13
22	Innovative Trend Analysis of High-Altitude Climatology of Kashmir Valley, North-West Himalayas. Atmosphere, 2022, 13, 764.	1.0	12
23	Multi-objective Linear Programming for Optimal Water Allocation Based on Satisfaction and Economic Criterion. Arabian Journal for Science and Engineering, 2016, 41, 1421-1433.	1.1	11
24	Satellite precipitation product: Applicability and accuracy evaluation in diverse region. Science China Technological Sciences, 2020, 63, 819-828.	2.0	11
25	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.	1.2	10
26	Shifting of Meteorological to Hydrological Drought Risk at Regional Scale. Applied Sciences (Switzerland), 2022, 12, 5560.	1.3	10
27	Finite-Difference Numerical Simulation of Dewatering System in a Large Deep Foundation Pit at Taunsa Barrage, Pakistan. Sustainability, 2019, 11, 694.	1.6	9
28	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.	1.8	9
29	Groundwater Vulnerability Mapping in Faisalabad District Using GIS Based Drastic Model. MATEC Web of Conferences, 2018, 246, 01001.	0.1	8
30	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.	1.7	7
31	Statistical Downscaling and Hydrological Modeling-Based Runoff Simulation in Trans-Boundary Mangla Watershed Pakistan. Water (Switzerland), 2020, 12, 3254.	1.2	7
32	Identifying Half-Century Precipitation Trends in a Chinese Lake Basin. Polish Journal of Environmental Studies, 2019, 28, 1397-1412.	0.6	7
33	Groundwater quality risk assessment using hydro-chemical and geospatial analysis. Environment, Development and Sustainability, 2023, 25, 8343-8365.	2.7	7
34	Harmonious level indexing for ascertaining humanâ€“water relationships. Environmental Earth Sciences, 2018, 77, 1.	1.3	6
35	Experimental and numerical studies on orifice spillway aerator of Bunji Dam. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2020, 43, 27-36.	0.6	6
36	Assessment of Regional Water-Human Harmony Based on ANP-Entropy Model. Applied Mechanics and Materials, 0, 692, 121-126.	0.2	5

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37	Riverâ€“human harmony model to evaluate the relationship between humans and water in river basin. Current Science, 2015, 109, 1130.	0.4	5
38	Using the SPI to Interpret Spatial and Temporal Conditions of Drought in China. Outlook on Agriculture, 2015, 44, 235-241.	1.8	4
39	Numerical Modeling for Hydrodynamics and Near-Surface Flow Patterns of a Tidal Confluence. Journal of Coastal Research, 2020, 36, 295.	0.1	4
40	A Hydraulic Analysis of Shock Wave Generation Mechanism on Flat Spillway Chutes through Physical Modeling. Hydrology, 2021, 8, 186.	1.3	4
41	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.	0.8	3
42	A Bilevel Multiobjective Model for Optimal Allocation of Water Resources in the Punjab Province of Pakistan. Arabian Journal for Science and Engineering, 2021, 46, 10597-10612.	1.7	3
43	Investigating Hydrological Responses and Adaptive Operation of a Hydropower Station under a Climate Change Scenario. Polish Journal of Environmental Studies, 2018, 27, 2337-2348.	0.6	3
44	Urban River Pollution Control Based on Bacterial Technology. Applied Mechanics and Materials, 2014, 692, 127-132.	0.2	2
45	Application of Statistical nonparametric tests in Dongting Lake, China: 1961â€“2012. , 2016, , .		2
46	Trend Analysis on Precipitation Time Series Data in Munda Catchment, Pakistan. Applied Mechanics and Materials, 0, 692, 97-102.	0.2	1
47	Water Quality Assessment with Varied Lake Depths by Using Multivariate Statistical Approach. Asian Journal of Water, Environment and Pollution, 2016, 13, 39-48.	0.4	1
48	Optimization of Mangala Hydropower Station, Pakistan, using Optimization Techniques. MATEC Web of Conferences, 2017, 136, 02010.	0.1	1
49	Riverâ€“human harmony model to evaluate the relationship between humans and water in river basin. Current Science, 2015, 109, 1130.	0.4	1
50	Developing monthly hydrometeorological timeseries forecasts to reservoir operation in a transboundary river catchment. Theoretical and Applied Climatology, 2022, 147, 1663-1674.	1.3	1
51	Exchange Rate Forecasting Based on Combined Fuzzification Strategy and Advanced Optimization Algorithm. Processes, 2021, 9, 2204.	1.3	1
52	Identification of Influencing Factors for Optimal Adoptability of High Efficiency Irrigation System (HEIS) in Punjab, Pakistan. Sarhad Journal of Agriculture, 2019, 35, .	0.0	0
53	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, 0, , 1.	1.0	0
54	Impact of spatial and temporal changes in climate on the Kunhar River Watershed, Pakistan. Arabian Journal of Geosciences, 2022, 15, .	0.6	0