

Kamal Ahmed

List of Publications by Year in descending order

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53
papers

2,922
citations

147566

31
h-index

189595

50
g-index

53
all docs

53
docs citations

53
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	Bias correction method of high-resolution satellite-based precipitation product for Peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 2022, 148, 1429-1446.	1.3	15
2	Projecting spatiotemporal changes of precipitation and temperature in Iraq for different shared socioeconomic pathways with selected Coupled Model Intercomparison Project Phase 6. <i>International Journal of Climatology</i> , 2022, 42, 9032-9050.	1.5	14
3	Inhomogeneity detection in the precipitation series: case of arid province of Pakistan. <i>Environment, Development and Sustainability</i> , 2021, 23, 7176-7192.	2.7	13
4	Spatial Variability of Groundwater Storage in Pakistan. <i>World Water Resources</i> , 2021, , 209-223.	0.4	0
5	Estimation of Spatial and Seasonal Variability of Soil Erosion in a Cold Arid River Basin in Hindu Kush Mountainous Region Using Remote Sensing. <i>Sustainability</i> , 2021, 13, 1549.	1.6	5
6	Ranking of gridded precipitation datasets by merging compromise programming and global performance index: a case study of the Amu Darya basin. <i>Theoretical and Applied Climatology</i> , 2021, 144, 985-999.	1.3	17
7	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. <i>Atmospheric Research</i> , 2021, 254, 105525.	1.8	85
8	Determination of cotton and wheat yield using the standard precipitation evaporation index in Pakistan. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	6
9	Assessment of changing pattern of crop water stress in Bangladesh. <i>Environment, Development and Sustainability</i> , 2020, 22, 4619-4637.	2.7	26
10	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. <i>Atmospheric Research</i> , 2020, 233, 104688.	1.8	56
11	Challenges in water resources of Lagos mega city of Nigeria in the context of climate change. <i>Journal of Water and Climate Change</i> , 2020, 11, 1067-1083.	1.2	33
12	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. <i>Atmospheric Research</i> , 2020, 236, 104806.	1.8	117
13	Quantitative assessment of precipitation changes under CMIP5 RCP scenarios over the northern sub-Himalayan region of Pakistan. <i>Environment, Development and Sustainability</i> , 2020, 22, 7831-7845.	2.7	13
14	Multi-variable model output statistics downscaling for the projection of spatio-temporal changes in rainfall of Borneo Island. <i>Journal of Hydro-Environment Research</i> , 2020, 31, 62-75.	1.0	12
15	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. <i>Atmospheric Research</i> , 2020, 245, 105061.	1.8	35
16	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. <i>Scientific Reports</i> , 2020, 10, 10107.	1.6	63
17	Prediction of droughts over Pakistan using machine learning algorithms. <i>Advances in Water Resources</i> , 2020, 139, 103562.	1.7	140
18	A non-local model output statistics approach for the downscaling of CMIP5 GCMs for the projection of rainfall in Peninsular Malaysia. <i>Journal of Water and Climate Change</i> , 2020, 11, 944-955.	1.2	11

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19	Divergence of potential evapotranspiration trends over Pakistan during 1967â€“2016. <i>Theoretical and Applied Climatology</i> , 2020, 141, 215-227.	1.3	12
20	The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016. <i>Hydrogeology Journal</i> , 2019, 27, 2485-2496.	0.9	22
21	Spatiotemporal changes in aridity of Pakistan during 1901â€“2016. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3081-3096.	1.9	68
22	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. <i>Sustainability</i> , 2019, 11, 5836.	1.6	43
23	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. <i>Earth Systems and Environment</i> , 2019, 3, 381-398.	3.0	30
24	Prediction of heat waves in Pakistan using quantile regression forests. <i>Atmospheric Research</i> , 2019, 221, 1-11.	1.8	74
25	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. <i>Water (Switzerland)</i> , 2019, 11, 210.	1.2	88
26	Characteristics of Annual and Seasonal Trends of Rainfall and Temperature in Iraq. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019, 55, 429-438.	1.3	29
27	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. <i>Water (Switzerland)</i> , 2019, 11, 1096.	1.2	110
28	Selection of CMIP5 multi-model ensemble for the projection of spatial and temporal variability of rainfall in peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 2019, 138, 999-1012.	1.3	45
29	Pros and cons of using wavelets in conjunction with genetic programming and generalised linear models in statistical downscaling of precipitation. <i>Theoretical and Applied Climatology</i> , 2019, 138, 617-638.	1.3	14
30	Fidelity assessment of general circulation model simulated precipitation and temperature over Pakistan using a feature selection method. <i>Journal of Hydrology</i> , 2019, 573, 281-298.	2.3	77
31	Spatial distribution of secular trends in rainfall indices of Peninsular Malaysia in the presence of long-term persistence. <i>Meteorological Applications</i> , 2019, 26, 655-670.	0.9	65
32	The potential of novel data mining models for global solar radiation prediction. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7147-7164.	1.8	81
33	Selection of multi-model ensemble of general circulation models for the simulation of precipitation and maximum and minimum temperature based on spatial assessment metrics. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4803-4824.	1.9	142
34	Spatial Shift of Aridity and Its Impact on Land Use of Syria. <i>Sustainability</i> , 2019, 11, 7047.	1.6	12
35	Trends in heat wave related indices in Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 287-302.	1.9	92
36	Spatial distribution of the trends in precipitation and precipitation extremes in the sub-Himalayan region of Pakistan. <i>Theoretical and Applied Climatology</i> , 2019, 137, 2755-2769.	1.3	57

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37	Climate change uncertainties in seasonal drought severity-area-frequency curves: Case of arid region of Pakistan. <i>Journal of Hydrology</i> , 2019, 570, 473-485.	2.3	66
38	Modeling climate change impacts on precipitation in arid regions of Pakistan: a non-local model output statistics downscaling approach. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1347-1364.	1.3	47
39	Performance Assessment of General Circulation Model in Simulating Daily Precipitation and Temperature Using Multiple Gridded Datasets. <i>Water (Switzerland)</i> , 2018, 10, 1793.	1.2	104
40	Statistical downscaling of precipitation using machine learning techniques. <i>Atmospheric Research</i> , 2018, 212, 240-258.	1.8	188
41	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. <i>Atmospheric Research</i> , 2018, 213, 509-522.	1.8	136
42	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. <i>Sustainability</i> , 2018, 10, 2182.	1.6	34
43	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. <i>Atmospheric Research</i> , 2018, 214, 364-374.	1.8	146
44	Cautionary note on the use of genetic programming in statistical downscaling. <i>International Journal of Climatology</i> , 2018, 38, 3449-3465.	1.5	23
45	Absolute homogeneity assessment of precipitation time series in an arid region of Pakistan. <i>Atmosfera</i> , 2018, 31, 301-316.	0.3	34
46	Effective Design and Planning Specification of Low Impact Development Practices Using Water Management Analysis Module (WMAM): Case of Malaysia. <i>Water (Switzerland)</i> , 2017, 9, 173.	1.2	35
47	Spatial distribution of secular trends in annual and seasonal precipitation over Pakistan. <i>Climate Research</i> , 2017, 74, 95-107.	0.4	81
48	Characterization of seasonal droughts in Balochistan Province, Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 747-762.	1.9	90
49	Multilayer perceptron neural network for downscaling rainfall in arid region: A case study of Baluchistan, Pakistan. <i>Journal of Earth System Science</i> , 2015, 124, 1325-1341.	0.6	60
50	Assessment of groundwater potential zones in an arid region based on catastrophe theory. <i>Earth Science Informatics</i> , 2015, 8, 539-549.	1.6	73
51	Spatial interpolation of climatic variables in a predominantly arid region with complex topography. <i>Environment Systems and Decisions</i> , 2014, 34, 555-563.	1.9	41
52	Statistical Downscaling of Rainfall in an Arid Coastal Region: A Radial Basis Function Neural Network Approach. <i>Applied Mechanics and Materials</i> , 0, 735, 190-194.	0.2	6
53	Evaluation of the performance of gridded precipitation products over Balochistan Province, Pakistan. , 0, 79, 73-86.		36