

# Kamal Ahmed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4903358/publications.pdf>

Version: 2024-02-01

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	Statistical downscaling of precipitation using machine learning techniques. Atmospheric Research, 2018, 212, 240-258.	1.8	188
2	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. Atmospheric Research, 2018, 214, 364-374.	1.8	146
3	Selection of multi-model ensemble of general circulation models for the simulation of precipitation and maximum and minimum temperature based on spatial assessment metrics. Hydrology and Earth System Sciences, 2019, 23, 4803-4824.	1.9	142
4	Prediction of droughts over Pakistan using machine learning algorithms. Advances in Water Resources, 2020, 139, 103562.	1.7	140
5	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. Atmospheric Research, 2018, 213, 509-522.	1.8	136
6	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. Atmospheric Research, 2020, 236, 104806.	1.8	117
7	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. Water (Switzerland), 2019, 11, 1096.	1.2	110
8	Performance Assessment of General Circulation Model in Simulating Daily Precipitation and Temperature Using Multiple Gridded Datasets. Water (Switzerland), 2018, 10, 1793.	1.2	104
9	Trends in heat wave related indices in Pakistan. Stochastic Environmental Research and Risk Assessment, 2019, 33, 287-302.	1.9	92
10	Characterization of seasonal droughts in Balochistan Province, Pakistan. Stochastic Environmental Research and Risk Assessment, 2016, 30, 747-762.	1.9	90
11	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. Water (Switzerland), 2019, 11, 210.	1.2	88
12	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. Atmospheric Research, 2021, 254, 105525.	1.8	85
13	The potential of novel data mining models for global solar radiation prediction. International Journal of Environmental Science and Technology, 2019, 16, 7147-7164.	1.8	81
14	Spatial distribution of secular trends in annual and seasonal precipitation over Pakistan. Climate Research, 2017, 74, 95-107.	0.4	81
15	Fidelity assessment of general circulation model simulated precipitation and temperature over Pakistan using a feature selection method. Journal of Hydrology, 2019, 573, 281-298.	2.3	77
16	Prediction of heat waves in Pakistan using quantile regression forests. Atmospheric Research, 2019, 221, 1-11.	1.8	74
17	Assessment of groundwater potential zones in an arid region based on catastrophe theory. Earth Science Informatics, 2015, 8, 539-549.	1.6	73
18	Spatiotemporal changes in aridity of Pakistan during 1901â€“2016. Hydrology and Earth System Sciences, 2019, 23, 3081-3096.	1.9	68

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. <i>Scientific Reports</i> , 2020, 10, 10107.	1.6	63
22	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
23	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
24	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. <i>Atmospheric Research</i> , 2020, 233, 104688.	1.8	56
25	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
26	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
27	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. <i>Sustainability</i> , 2019, 11, 5836.	1.6	43
28	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
29	Evaluation of the performance of gridded precipitation products over Balochistan Province, Pakistan. <i>Journal of Hydrology</i> , 2010, 380, 79, 73-86.		36
30	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
31	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. <i>Atmospheric Research</i> , 2020, 245, 105061.	1.8	35
32	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. <i>Sustainability</i> , 2018, 10, 2182.	1.6	34
33	Absolute homogeneity assessment of precipitation time series in an arid region of Pakistan. <i>Atmospheric Research</i> , 2018, 31, 301-316.	0.3	34
34	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
35	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. <i>Earth Systems and Environment</i> , 2019, 3, 381-398.	3.0	30
36	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

#	ARTICLE	IF	CITATIONS
37	Assessment of changing pattern of crop water stress in Bangladesh. <i>Environment, Development and Sustainability</i> , 2020, 22, 4619-4637.	2.7	26
38	Cautionary note on the use of genetic programming in statistical downscaling. <i>International Journal of Climatology</i> , 2018, 38, 3449-3465.	1.5	23
39	The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016. <i>Hydrogeology Journal</i> , 2019, 27, 2485-2496.	0.9	22
40	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
41	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
42	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
43	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
44	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
45	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
46	Spatial Shift of Aridity and Its Impact on Land Use of Syria. <i>Sustainability</i> , 2019, 11, 7047.	1.6	12
47	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
48	Divergence of potential evapotranspiration trends over Pakistan during 1967â€“2016. <i>Theoretical and Applied Climatology</i> , 2020, 141, 215-227.	1.3	12
49	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
50	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
51	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
52	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
53	Spatial Variability of Groundwater Storage in Pakistan. <i>World Water Resources</i> , 2021, , 209-223.	0.4	0