

Akm S Islam

List of Publications by Year in descending order

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59
papers

1,687
citations

279798

23
h-index

302126

39
g-index

61
all docs

61
docs citations

61
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation strategies to increase water productivity of wheat under changing climate. Agricultural Water Management, 2022, 264, 107499.	5.6	7
2	Adaptation Efforts and Policy Guidelines for Bangladesh at Global Warming of 1.5°C, 2°C, and 4°C. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2022, , 17-40.	0.1	0
3	Urban Drainage Study for Gopalganj Pourashava Considering Future Climate Change Impacts. , 2022, , 23-43.		0
4	Regional Index Insurance Using Satellite-Based Fractional Flooded Area. Earth's Future, 2022, 10, .	6.3	9
5	Effect of Performance of Water Stashes Irrigation Approaches on Selected Species of Plant's Water Productivity in Urban Rooftop Agriculture with Respect to Climate Change. Water (Switzerland), 2022, 14, 7.	2.7	1
6	Increased population exposure to Amphan-scale cyclones under future climates. Climate Resilience and Sustainability, 2022, 1, .	2.3	3
7	Changes in flow and sediment load of poorly gauged Brahmaputra river basin under an extreme climate scenario. Journal of Water and Climate Change, 2021, 12, 937-954.	2.9	9
8	A conjugate application of MODIS/Terra data and empirical method to assess reference evapotranspiration for the southwest region of Bangladesh. Environmental Earth Sciences, 2021, 80, 1.	2.7	1
9	Flood hazard mapping of Sangu River basin in Bangladesh using <sc>multi-criteria</sc> analysis of <sc>hydro-geomorphological</sc> factors. Journal of Flood Risk Management, 2021, 14, e12715.	3.3	33
10	Climate-induced flood inundation for the Arial Khan River of Bangladesh using open-source SWAT and HEC-RAS model for RCP8.5-SSP5 scenario. SN Applied Sciences, 2021, 3, 1.	2.9	9
11	Impact of Land Cover Changes on Land Surface Temperature and Human Thermal Comfort in Dhaka City of Bangladesh. Earth Systems and Environment, 2021, 5, 667-693.	6.2	83
12	Towards an efficient storm surge and inundation forecasting system over the Bengal delta: chasing the Supercyclone Amphan. Natural Hazards and Earth System Sciences, 2021, 21, 2523-2541.	3.6	14
13	Environmental and Social Dynamics of Urban Rooftop Agriculture (URTA) and Their Impacts on Microclimate Change. Sustainability, 2021, 13, 9053.	3.2	4
14	Integrated flood risk assessment of the Arial Khan River under changing climate using IPCC AR5 risk framework. Journal of Water and Climate Change, 2021, 12, 3421-3447.	2.9	9
15	Development of potential map for groundwater abstraction in the northwest region of Bangladesh using RS-GIS-based weighted overlay analysis and water-table-fluctuation technique. Environmental Monitoring and Assessment, 2021, 193, 24.	2.7	18
16	Simulating streamflow in the Upper Halda Basin of southeastern Bangladesh using SWAT model. Hydrological Sciences Journal, 2020, 65, 138-151.	2.6	25
17	Changes in future rainfall extremes over Northeast Bangladesh: A Bayesian model averaging approach. International Journal of Climatology, 2020, 40, 3232-3249.	3.5	9
18	Water level changes, subsidence, and sea level rise in the Ganges-Brahmaputra-Meghna delta. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1867-1876.	7.1	86

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19	Synoptic flow patterns and large-scale characteristics of flash flood-producing rainstorms over northeast Bangladesh. <i>Meteorology and Atmospheric Physics</i> , 2020, 132, 613-629.	2.0	4
20	Investigation of Flash Flood Producing Rainstorm in Northeast Bangladesh Using WRF Model. , 2020, , 163-175.		1
21	Sea level rise inducing tidal modulation along the coasts of Bengal delta. <i>Continental Shelf Research</i> , 2020, 211, 104289.	1.8	14
22	Future changes in meteorological drought characteristics over Bangladesh projected by the CMIP5 multi-model ensemble. <i>Climatic Change</i> , 2020, 162, 667-685.	3.6	13
23	Recent salinity intrusion in the Bengal delta: Observations and possible causes. <i>Continental Shelf Research</i> , 2020, 202, 104142.	1.8	22
24	Changes in climate extremes over Bangladesh at 1.5°C, 2°C, and 4°C of global warming with high-resolution regional climate modeling. <i>Theoretical and Applied Climatology</i> , 2020, 140, 1451-1466.	2.8	29
25	Deciphering of Groundwater Recharge Potential Zones in Dhaka City, Bangladesh by RS and GIS Techniques. , 2020, , 85-97.		2
26	Developing a forecasting model for cholera incidence in Dhaka megacity through time series climate data. <i>Journal of Water and Health</i> , 2020, 18, 207-223.	2.6	11
27	Frequency Analysis of Flash Floods for Establishing New Danger Levels for the Rivers in the Northeast Haor Region of Bangladesh. <i>Journal of Hydrologic Engineering - ASCE</i> , 2019, 24, 05019004.	1.9	9
28	Projected changes of inundation of cyclonic storms in the Gangesâ€“Brahmaputraâ€“Meghna delta of Bangladesh due to SLR by 2100. <i>Journal of Earth System Science</i> , 2019, 128, 1.	1.3	18
29	Attributing the 2017 Bangladesh floods from meteorological and hydrological perspectives. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 1409-1429.	4.9	46
30	Enhanced flood risk with 1.5 °C global warming in the Gangesâ€“Brahmaputraâ€“Meghna basin. <i>Environmental Research Letters</i> , 2019, 14, 074031.	5.2	33
31	High-Resolution Intertidal Topography from Sentinel-2 Multi-Spectral Imagery: Synergy between Remote Sensing and Numerical Modeling. <i>Remote Sensing</i> , 2019, 11, 2888.	4.0	18
32	Mapping of climate vulnerability of the coastal region of Bangladesh using principal component analysis. <i>Applied Geography</i> , 2019, 102, 47-57.	3.7	140
33	A global network for operational flood risk reduction. <i>Environmental Science and Policy</i> , 2018, 84, 149-158.	4.9	89
34	Hydrological response to climate change of the Brahmaputra basin using CMIP5 general circulation model ensemble. <i>Journal of Water and Climate Change</i> , 2018, 9, 434-448.	2.9	21
35	Assessing climatic trends of extreme rainfall indices over northeast Bangladesh. <i>Theoretical and Applied Climatology</i> , 2018, 134, 441-452.	2.8	42
36	Regional changes of precipitation and temperature over Bangladesh using biasâ€“corrected multiâ€“model ensemble projections considering highâ€“emission pathways. <i>International Journal of Climatology</i> , 2018, 38, 1634-1648.	3.5	77

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37	Climate projections and extremes in dynamically downscaled CMIP5 model outputs over the Bengal delta: a quartile based bias-correction approach with new gridded data. <i>Climate Dynamics</i> , 2018, 51, 2169-2190.	3.8	24
38	Yield Prediction Model for Potato Using Landsat Time Series Images Driven Vegetation Indices. <i>Remote Sensing in Earth Systems Sciences</i> , 2018, 1, 29-38.	1.8	24
39	Future Floods in Bangladesh under 1.5°C, 2°C, and 4°C Global Warming Scenarios. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018, 23, .	1.9	29
40	Evaluation of Microphysics and Cumulus Schemes of WRF for Forecasting of Heavy Monsoon Rainfall over the Southeastern Hilly Region of Bangladesh. <i>Pure and Applied Geophysics</i> , 2018, 175, 4537-4566.	1.9	23
41	Topography of the intertidal zone along the shoreline of Chittagong (Bangladesh) using PROBA-V imagery. <i>International Journal of Remote Sensing</i> , 2018, 39, 9004-9024.	2.9	8
42	Sustainability of groundwater use for irrigation of dry-season crops in northwest Bangladesh. <i>Groundwater for Sustainable Development</i> , 2017, 4, 66-77.	4.6	77
43	Seasonal modulation of M2 tide in the Northern Bay of Bengal. <i>Continental Shelf Research</i> , 2017, 137, 154-162.	1.8	28
44	Extreme flows and water availability of the Brahmaputra River under 1.5 and 2°C global warming scenarios. <i>Climatic Change</i> , 2017, 145, 159-175.	3.6	43
45	Impact of High-End Climate Change on Floods and Low Flows of the Brahmaputra River. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	34
46	Implications of agricultural land use change to ecosystem services in the Ganges delta. <i>Journal of Environmental Management</i> , 2015, 161, 443-452.	7.8	50
47	Modelling the increased frequency of extreme sea levels in the Ganges-Brahmaputra-Meghna delta due to sea level rise and other effects of climate change. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1311-1322.	3.5	57
48	Changes of rainfall extremes around the haor basin areas of Bangladesh using multi-member ensemble RCM. <i>Theoretical and Applied Climatology</i> , 2015, 119, 363-377.	2.8	50
49	An Indicator of Climate Change in the South West Region of Bangladesh. <i>International Journal of Climate Change: Impacts and Responses</i> , 2013, 4, 47-60.	0.3	5
50	Assessment of Salinity Distributions and Residual Currents at the Northern Bay of Bengal considering Climate Change Impacts. <i>The International Journal of Ocean and Climate Systems</i> , 2012, 3, 173-186.	0.8	5
51	Analyzing the Future Monthly Precipitation Pattern in Bangladesh from Multi-Model Projections Using Both GCM and RCM. , 2011, , .		4
52	Performance of Coastal Structures during Cyclone Sidr. <i>Natural Hazards Review</i> , 2011, 12, 111-116.	1.5	29
53	Hydrologic characteristics of floods in Ganges-Brahmaputra-Meghna (GBM) delta. <i>Natural Hazards</i> , 2010, 54, 797-811.	3.4	38
54	Flood inundation map of Bangladesh using MODIS time-series images. <i>Journal of Flood Risk Management</i> , 2010, 3, 210-222.	3.3	134

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55	Correlation between potato yield and MODIS-derived vegetation indices. International Journal of Remote Sensing, 2009, 30, 2491-2507.	2.9	65
56	Ontology based web simulation system for hydrodynamic modeling. Simulation Modelling Practice and Theory, 2008, 16, 754-767.	3.8	17
57	Assessment of Potato Phenological Characteristics Using MODIS-Derived NDVI and LAI Information. GIScience and Remote Sensing, 2008, 45, 454-470.	5.9	28
58	A generic metadata description for hydrodynamic model data. Journal of Hydroinformatics, 2006, 8, 141-148.	2.4	3
59	Using spaceborne imagery to infer the topography of the intertidal zone: a case study for the shoreline of Chittagong (Bangladesh) using PROBA-V data. , 0, , .		0