

Akm S Islam

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,687
citations

279778

23
h-index

302107

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. <i>Agricultural Water Management</i> , 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. <i>Health Information Systems and the Advancement of Medical Practice in Developing Countries</i> , 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. <i>Earth's Future</i> , 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. <i>Water (Switzerland)</i> , 2022, 14, 7. | 2.7 | 1 |
| 6 | Increased population exposure to Amphan-scale cyclones under future climates. <i>Climate Resilience and Sustainability</i> , 2022, 1, . | 2.3 | 3 |
| 7 | Changes in flow and sediment load of poorly gauged Brahmaputra river basin under an extreme climate scenario. <i>Journal of Water and Climate Change</i> , 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. <i>Environmental Earth Sciences</i> , 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. <i>Journal of Flood Risk Management</i> , 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. <i>SN Applied Sciences</i> , 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. <i>Earth Systems and Environment</i> , 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. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 2523-2541. | 3.6 | 14 |
| 13 | Environmental and Social Dynamics of Urban Rooftop Agriculture (URTA) and Their Impacts on Microclimate Change. <i>Sustainability</i> , 2021, 13, 9053. | 3.2 | 4 |
| 14 | Integrated flood risk assessment of the Arial Khan River under changing climate using IPCC AR5 risk framework. <i>Journal of Water and Climate Change</i> , 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. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 24. | 2.7 | 18 |
| 16 | Simulating streamflow in the Upper Halda Basin of southeastern Bangladesh using SWAT model. <i>Hydrological Sciences Journal</i> , 2020, 65, 138-151. | 2.6 | 25 |
| 17 | Changes in future rainfall extremes over Northeast Bangladesh: A Bayesian model averaging approach. <i>International Journal of Climatology</i> , 2020, 40, 3232-3249. | 3.5 | 9 |
| 18 | Water level changes, subsidence, and sea level rise in the Ganges-Brahmaputra-Meghna delta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 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 ^o C, 2 ^o C, and 4 ^o 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 ^o 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 |