Abu Reza Md Towfiqul Islam

List of Publications by Year in Descending Order

163 papers	2,721 citations	27 h-index	45 g-index
190 ext. papers	4,264 ext. citations	4.2 avg, IF	6.48 L-index

#	Paper	IF	Citations
163	Recent changes in temperature extremes in subtropical climate region and the role of large-scale atmospheric oscillation patterns. *Theoretical and Applied Climatology*, **2022**, 148, 329	3	0
162	Potentially toxic elemental contamination in Wainivesi River, Fiji impacted by gold-mining activities using chemometric tools and SOM analysis.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	4
161	Impact of Urbanization on Urban Heat Island Intensity in Major Districts of Bangladesh Using Remote Sensing and Geo-Spatial Tools. *Climate*, **2022**, 10, 3	3.1	2
160	Modelling the reference crop evapotranspiration in the Beas-Sutlej basin (India): an artificial neural network approach based on different combinations of meteorological data.. *Environmental Monitoring and Assessment*, **2022**, 194, 141	3.1	9
159	Random forest and nature-inspired algorithms for mapping groundwater nitrate concentration in a coastal multi-layer aquifer system. *Journal of Cleaner Production*, **2022**, 130900	10.3	2
158	Impacts of climate modes on temperature extremes over Bangladesh using statistical methods. *Meteorology and Atmospheric Physics*, **2022**, 134, 1	2	0
157	Changes in urbanization and urban heat island effect in Dhaka city. *Theoretical and Applied Climatology*, **2022**, 147, 891	3	1
156	Knowledge, Attitude, and Practices towards Lightning in Bangladesh. *Sustainability*, **2022**, 14, 448	3.6	1
155	Coupling geographic information system integrated fuzzy logic-analytical hierarchy process with global and machine learning based sensitivity analysis for agricultural suitability mapping. *Agricultural Systems*, **2022**, 196, 103343	6.1	6
154	A coupled novel framework for assessing vulnerability of water resources using hydrochemical analysis and data-driven models. *Journal of Cleaner Production*, **2022**, 336, 130407	10.3	5
153	Spatiotemporal trends of temperature extremes in Bangladesh under changing climate using multi-statistical techniques. *Theoretical and Applied Climatology*, **2022**, 147, 307	3	5
152	Coupling of redundancy analysis with geochemistry and mineralogy to assess the behavior of dust arsenic as a base of risk estimation in Dhaka, Bangladesh. *Chemosphere*, **2022**, 287, 132048	8.4	2
151	Multi-media compartments for assessing ecological and health risks from concurrent exposure to multiple contaminants on Bhola Island, Bangladesh. *Emerging Contaminants*, **2022**, 8, 134-150	5.8	0
150	Water quality index modeling using random forest and improved SMO algorithm for support vector machine in Saf-Saf river basin.. *Environmental Science and Pollution Research*, **2022**, 1	5.1	1
149	Assessing Riverbank Erosion and Livelihood Resilience Using Traditional Approaches in Northern Bangladesh. *Sustainability*, **2022**, 14, 2348	3.6	2
148	Developing Robust Flood Susceptibility Model with Small Numbers of Parameters in Highly Fertile Regions of Northwest Bangladesh for Sustainable Flood and Agriculture Management. *Sustainability*, **2022**, 14, 3982	3.6	3
147	Application of novel data-mining technique based nitrate concentration susceptibility prediction approach for coastal aquifers in India. *Journal of Cleaner Production*, **2022**, 346, 131205	10.3	1

146	Assessing Surface Water Quality for Irrigation Purposes in Some Dams of Asir Region, Saudi Arabia Using Multi-Statistical Modeling Approaches. *Water (Switzerland)*, **2022**, 14, 1439	3	1
145	Assessing the Spatial Mapping of Heat Vulnerability under Urban Heat Island (UHI) Effect in the Dhaka Metropolitan Area. *Sustainability*, **2022**, 14, 4945	3.6	1
144	Assessing the Impact of the Farakka Barrage on Hydrological Alteration in the Padma River with Future Insight. *Sustainability*, **2022**, 14, 5233	3.6	2
143	Monitoring drought pattern for pre- and post-monsoon seasons in a semi-arid region of western part of India.. *Environmental Monitoring and Assessment*, **2022**, 194, 396	3.1	0
142	Distribution, Concentration, and Ecological Risk Assessment of Trace Metals in Surface Sediment of a Tropical Bangladeshi Urban River. *Sustainability*, **2022**, 14, 5033	3.6	0
141	How Has the Recent Climate Change Affected the Spatiotemporal Variation of Reference Evapotranspiration in a Climate Transitional Zone of Eastern China?. *ISPRS International Journal of Geo-Information*, **2022**, 11, 300	2.9	1
140	Analysing Process and Probability of Built-Up Expansion Using Machine Learning and Fuzzy Logic in English Bazar, West Bengal. *Remote Sensing*, **2022**, 14, 2349	5	4
139	Sustainable Groundwater Potential Zoning with Integrating GIS, Remote Sensing, and AHP Model: A Case from North-Central Bangladesh. *Sustainability*, **2022**, 14, 5640	3.6	1
138	Characteristics and influencing factors of carbon fluxes in winter wheat fields under elevated CO concentration.. *Environmental Pollution*, **2022**, 119480	9.3	1
137	Flood susceptibility evaluation through deep learning optimizer ensembles and GIS techniques. *Journal of Environmental Management*, **2022**, 316, 115316	7.9	1
136	Optimizing hyperparameters of deep hybrid learning for rainfall prediction: a case study of a Mediterranean basin. *Arabian Journal of Geosciences*, **2022**, 15,	1.8	3
135	Monitoring 2019 Drought and Assessing Its Effects on Vegetation Using Solar-Induced Chlorophyll Fluorescence and Vegetation Indexes in the Middle and Lower Reaches of Yangtze River, China. *Remote Sensing*, **2022**, 14, 2569	5	0
134	Heavy metals contamination and associated health risks in food webs-a review focuses on food safety and environmental sustainability in Bangladesh. *Environmental Science and Pollution Research*, **2021**, 1	5.1	2
133	Performance of machine learning methods in predicting water quality index based on irregular data set: application on Illizi region (Algerian southeast). *Applied Water Science*, **2021**, 11, 1	5	12
132	Assessing Farmers Typologies of Perception for Adopting Sustainable Adaptation Strategies in Bangladesh. *Climate*, **2021**, 9, 167	3.1	3
131	Spatiotemporal distribution of drought and its possible associations with ENSO indices in Bangladesh. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	6
130	Hyperspectral Characteristics and Scale Effects of Leaf and Canopy of Summer Maize under Continuous Water Stresses. *Agriculture (Switzerland)*, **2021**, 11, 1180	3	0
129	Identification of rainfall homogenous regions in Saudi Arabia for experimenting and improving trend detection techniques. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0

128	Characterization of groundwater potential zones in water-scarce hardrock regions using data driven model. *Environmental Earth Sciences*, **2021**, 80, 1	2.9	4
127	Improving Drought Modeling Using Hybrid Random Vector Functional Link Methods. *Water (Switzerland)*, **2021**, 13, 3379	3	7
126	Applications of various data-driven models for the prediction of groundwater quality index in the Akot basin, Maharashtra, India. *Environmental Science and Pollution Research*, **2021**, 1	5.1	15
125	Smallholder Farmers Perceived Climate-Related Risk, Impact, and Their Choices of Sustainable Adaptation Strategies. *Sustainability*, **2021**, 13, 11922	3.6	5
124	Climate-induced rice yield anomalies linked to large-scale atmospheric circulation in Bangladesh using multi-statistical modeling. *Theoretical and Applied Climatology*, **2021**, 144, 1077-1099	3	12
123	Development of novel hybrid machine learning models for monthly thunderstorm frequency prediction over Bangladesh. *Natural Hazards*, **2021**, 108, 1109-1135	3	2
122	Mass Media Influence on Changing Healthy Lifestyle of Community People During COVID-19 Pandemic in Bangladesh: A Cross-Sectional Survey. *Asia-Pacific Journal of Public Health*, **2021**, 33, 617-619	3	3
121	Climate change effects on potential evapotranspiration in Bangladesh. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	2
120	Perceived and actual risks of drought: household and expert views from the lower Teesta River Basin of northern Bangladesh. *Natural Hazards*, **2021**, 108, 2569-2587	3	4
119	Evaluation of FAO-56 Procedures for Estimating Reference Evapotranspiration Using Missing Climatic Data for a Brazilian Tropical Savanna. *Water (Switzerland)*, **2021**, 13, 1763	3	3
118	Level of pesticides contamination in the major river systems: A review on South Asian countries perspective. *Heliyon*, **2021**, 7, e07270	3.6	8
117	Risk assessment of drought disaster in summer maize cultivated areas of the Huang-Huai-Hai plain, eastern China. *Environmental Monitoring and Assessment*, **2021**, 193, 441	3.1	3
116	Health Risk and Water Quality Assessment of Surface Water in an Urban River of Bangladesh. *Sustainability*, **2021**, 13, 6832	3.6	13
115	A Novel Technique for Modeling Ecosystem Health Condition: A Case Study in Saudi Arabia. *Remote Sensing*, **2021**, 13, 2632	5	6
114	Modeling fragmentation probability of land-use and land-cover using the bagging, random forest and random subspace in the Teesta River Basin, Bangladesh. *Ecological Indicators*, **2021**, 126, 107612	5.8	33
113	Salinity-induced fluorescent dissolved organic matter influence co-contamination, quality and risk to human health of tube well water, southeast coastal Bangladesh. *Chemosphere*, **2021**, 275, 130053	8.4	14
112	Rice yield responses in Bangladesh to large-scale atmospheric oscillation using multifactorial model. *Theoretical and Applied Climatology*, **2021**, 146, 29-44	3	1
111	Spatiotemporal nexus between vegetation change and extreme climatic indices and their possible causes of change. *Journal of Environmental Management*, **2021**, 289, 112505	7.9	23

110	Insight into farmers agricultural adaptive strategy to climate change in northern Bangladesh. *Environment, Development and Sustainability*, **2021**, 23, 2439-2464	4.5	21
109	Appraising trends and forecasting of hydroclimatic variables in the north and northeast regions of Bangladesh. *Theoretical and Applied Climatology*, **2021**, 143, 33-50	3	22
108	Mechanism of elevated radioactivity in Teesta river basin from Bangladesh: Radiochemical characterization, provenance and associated hazards. *Chemosphere*, **2021**, 264, 128459	8.4	17
107	Flood susceptibility modelling using advanced ensemble machine learning models. *Geoscience Frontiers*, **2021**, 12, 101075	6	84
106	How air quality and COVID-19 transmission change under different lockdown scenarios? A case from Dhaka city, Bangladesh. *Science of the Total Environment*, **2021**, 762, 143161	10.2	44
105	COVID-19 pandemic, dengue epidemic, and climate change vulnerability in Bangladesh: Scenario assessment for strategic management and policy implications. *Environmental Research*, **2021**, 192, 110303	7.9	19
104	Effects of cyclic variability in Pacific decadal oscillation on winter wheat production in China. *International Journal of Climatology*, **2021**, 41, 2239-2252	3.5	6
103	Hyperspectral characteristics and inversion model estimation of winter wheat under different elevated CO2 concentrations. *International Journal of Remote Sensing*, **2021**, 42, 1035-1053	3.1	3
102	Are meteorological factors enhancing COVID-19 transmission in Bangladesh? Novel findings from a compound Poisson generalized linear modeling approach. *Environmental Science and Pollution Research*, **2021**, 28, 11245-11258	5.1	15
101	Employing social vulnerability index to assess household social vulnerability of natural hazards: an evidence from southwest coastal Bangladesh. *Environment, Development and Sustainability*, **2021**, 23, 10223-10245	4.5	10
100	Responses of CO2 and N2O emissions from soil-plant systems to simulated warming and acid rain in cropland. *Journal of Soils and Sediments*, **2021**, 21, 1109-1126	3.4	3
99	Characteristics of surface evapotranspiration and its response to climate and land use and land cover in the Huai River Basin of eastern China. *Environmental Science and Pollution Research*, **2021**, 28, 683-699	5.1	10
98	Nexus between vulnerability and adaptive capacity of drought-prone rural households in northern Bangladesh. *Natural Hazards*, **2021**, 106, 509-527	3	10
97	Estimating daily actual evapotranspiration of a rice wheat rotation system in typical farmland in the Huai River Basin using a two-step model and two one-step models. *Journal of Integrative Agriculture*, **2021**, 20, 274-288	3.2	3
96	Spatiotemporal characteristics and risk assessment of agricultural drought disasters during the winter wheat-growing season on the Huang-Huai-Hai Plain, China. *Theoretical and Applied Climatology*, **2021**, 143, 1393-1407	3	5
95	Prediction of Combined Terrestrial Evapotranspiration Index (CTEI) over Large River Basin Based on Machine Learning Approaches. *Water (Switzerland)*, **2021**, 13, 547	3	28
94	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. *Theoretical and Applied Climatology*, **2021**, 144, 793-808	3	27
93	Rain-Fed Rice Yield Fluctuation to Climatic Anomalies in Bangladesh. *International Journal of Plant Production*, **2021**, 15, 183-201	2.4	15

92	Assessment of mapping of annual average rainfall in a tropical country like Bangladesh: remotely sensed output vs. kriging estimate. *Theoretical and Applied Climatology*, **2021**, 146, 111-123	3	6
91	Characterization of groundwater hydrogeochemistry, quality, and associated health hazards to the residents of southwestern Bangladesh. *Environmental Science and Pollution Research*, **2021**, 1	5.1	2
90	Hydrological distribution of physicochemical parameters and heavy metals in surface water and their ecotoxicological implications in the Bay of Bengal coast of Bangladesh. *Environmental Science and Pollution Research*, **2021**, 1	5.1	7
89	Comparison of CMIP6 and CMIP5 model performance in simulating historical precipitation and temperature in Bangladesh: a preliminary study. *Theoretical and Applied Climatology*, **2021**, 145, 1385-1406	3	15
88	Appraising the historical and projected spatiotemporal changes in the heat index in Bangladesh. *Theoretical and Applied Climatology*, **2021**, 146, 1-14	3	1
87	Integration of artificial intelligence-based LULC mapping and prediction for estimating ecosystem services for urban sustainability: past to future perspective. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	2
86	Water resources pollution associated with risks of heavy metals from Vatukoula Goldmine region, Fiji. *Journal of Environmental Management*, **2021**, 293, 112868	7.9	18
85	Applications of Gaussian process regression for predicting blue water footprint: Case study in Ad Daqahliyah, Egypt. *Agricultural Water Management*, **2021**, 255, 107052	5.9	11
84	Multivariate statistics and entropy theory for irrigation water quality and entropy-weighted index development in a subtropical urban river, Bangladesh. *Environmental Science and Pollution Research* , **2021**, 1	5.1	3
83	A Novel Hybrid Model for Developing Groundwater Potentiality Model Using High Resolution Digital Elevation Model (DEM) Derived Factors. *Water (Switzerland)*, **2021**, 13, 2632	3	2
82	Preliminary assessment of heavy metals in surface water and sediment in Nakuvadra-Rakiraki River, Fiji using indexical and chemometric approaches. *Journal of Environmental Management*, **2021**, 298, 113517	7.9	20
81	Application of novel framework approach for prediction of nitrate concentration susceptibility in coastal multi-aquifers, Bangladesh. *Science of the Total Environment*, **2021**, 801, 149811	10.2	5
80	Spatiotemporal changes and modulations of extreme climatic indices in monsoon-dominated climate region linkage with large-scale atmospheric oscillation. *Atmospheric Research*, **2021**, 264, 105840	5.4	5
79	Spatiotemporal trends in the frequency of daily rainfall in Bangladesh during 1975–2017. *Theoretical and Applied Climatology*, **2020**, 141, 869-887	3	31
78	Appraising drought hazard during Boro rice growing period in western Bangladesh. *International Journal of Biometeorology*, **2020**, 64, 1687-1697	3.7	24
77	Psychosocial and Socio-Economic Crisis in Bangladesh Due to COVID-19 Pandemic: A Perception-Based Assessment. *Frontiers in Public Health*, **2020**, 8, 341	6	110
76	Trends in cooling and heating degree-days overtimes in Bangladesh? An investigation of the possible causes of changes. *Natural Hazards*, **2020**, 101, 879-909	3	21
75	Attribution Analysis of Long-Term Trends of Aridity Index in the Huai River Basin, Eastern China. *Sustainability*, **2020**, 12, 1743	3.6	6

74	Distribution, sources and ecological risk of trace elements and polycyclic aromatic hydrocarbons in sediments from a polluted urban river in central Bangladesh. *Environmental Nanotechnology, Monitoring and Management*, **2020**, 14, 100318	3.3	25
73	Potential of RT, bagging and RS ensemble learning algorithms for reference evapotranspiration prediction using climatic data-limited humid region in Bangladesh. *Journal of Hydrology*, **2020**, 590, 125241	6	44
72	Spatiotemporal rice yield variations and potential agro-adaptation strategies in Bangladesh: A biophysical modeling approach. *Sustainable Production and Consumption*, **2020**, 24, 121-138	8.2	7
71	Analyzing trend and forecasting of rainfall changes in India using non-parametrical and machine learning approaches. *Scientific Reports*, **2020**, 10, 10342	4.9	82
70	Quantifying Source Apportionment, Co-occurrence, and Ecotoxicological Risk of Metals from Upstream, Lower Midstream, and Downstream River Segments, Bangladesh. *Environmental Toxicology and Chemistry*, **2020**, 39, 2041-2054	3.8	18
69	Simultaneous comparison of modified-integrated water quality and entropy weighted indices: Implication for safe drinking water in the coastal region of Bangladesh. *Ecological Indicators*, **2020**, 113, 106229	5.8	43
68	Co-distribution, possible origins, status and potential health risk of trace elements in surface water sources from six major river basins, Bangladesh. *Chemosphere*, **2020**, 249, 126180	8.4	50
67	Drinking appraisal of coastal groundwater in Bangladesh: An approach of multi-hazards towards water security and health safety. *Chemosphere*, **2020**, 255, 126933	8.4	22
66	Spatiotemporal distribution of fluoride in drinking water and associated probabilistic human health risk appraisal in the coastal region, Bangladesh. *Science of the Total Environment*, **2020**, 724, 138316	10.2	40
65	Assessment of drought disaster risk in Boro rice cultivated areas of northwestern Bangladesh **2020**, 2, 19-29		3
64	COVID-19 pandemic, socioeconomic crisis and human stress in resource-limited settings: A case from Bangladesh. *Heliyon*, **2020**, 6, e04063	3.6	136
63	Consumer fish consumption preferences and contributing factors: empirical evidence from Rangpur city corporation, Bangladesh. *Heliyon*, **2020**, 6, e05864	3.6	2
62	Spatiotemporal variations of thunderstorm frequency and its prediction over Bangladesh. *Meteorology and Atmospheric Physics*, **2020**, 132, 793-808	2	7
61	Effects of warming and elevated O concentrations on NO emission and soil nitrification and denitrification rates in a wheat-soybean rotation cropland. *Environmental Pollution*, **2020**, 257, 113556	9.3	7
60	Hydrogeochemical evolution of shallow and deeper aquifers in central Bangladesh: arsenic mobilization process and health risk implications from the potable use of groundwater. *Environmental Earth Sciences*, **2020**, 79, 1	2.9	22
59	The optimal alternative for quantifying reference evapotranspiration in climatic sub-regions of Bangladesh. *Scientific Reports*, **2020**, 10, 20171	4.9	27
58	Trends and Variabilities of Thunderstorm Days over Bangladesh on the ENSO and IOD Timescales. *Atmosphere*, **2020**, 11, 1176	2.7	7
57	Spatiotemporal distribution and prediction of groundwater level linked to ENSO teleconnection indices in the northwestern region of Bangladesh. *Environment, Development and Sustainability*, **2020**, 22, 4509-4535	4.5	25

56	Simultaneous appraisals of pathway and probable health risk associated with trace metals contamination in groundwater from Barapukuria coal basin, Bangladesh. *Chemosphere*, **2020**, 242, 125183	8.4	50
55	A comprehensive statistical assessment of drought indices to monitor drought status in Bangladesh. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	28
54	Strategic assessment of COVID-19 pandemic in Bangladesh: comparative lockdown scenario analysis, public perception, and management for sustainability. *Environment, Development and Sustainability*, **2020**, 23, 1-44	4.5	88
53	Effect of meteorological factors on COVID-19 cases in Bangladesh. *Environment, Development and Sustainability*, **2020**, 23, 1-24	4.5	28
52	Sources of trace elements identification in drinking water of Rangpur district, Bangladesh and their potential health risk following multivariate techniques and Monte-Carlo simulation. *Groundwater for Sustainable Development*, **2019**, 9, 100275	6	22
51	Predicting spatiotemporal changes of channel morphology in the reach of Teesta River, Bangladesh using GIS and ARIMA modeling. *Quaternary International*, **2019**, 513, 80-94	2	30
50	Effect of Warming and Elevated O Concentration on CO Emissions in a Wheat-Soybean Rotation Cropland. *International Journal of Environmental Research and Public Health*, **2019**, 16,	4.6	6
49	Attribution analysis of actual and potential evapotranspiration changes based on the complementary relationship theory in the Huai River basin of eastern China. *International Journal of Climatology*, **2019**, 39, 4072-4090	3.5	14
48	The effect of Indian Ocean on Ethiopian seasonal rainfall. *Meteorology and Atmospheric Physics*, **2019**, 131, 1753-1761	2	10
47	Assessing recent impacts of climate change on design water requirement of Boro rice season in Bangladesh. *Theoretical and Applied Climatology*, **2019**, 138, 97-113	3	42
46	Are precipitation concentration and intensity changing in Bangladesh overtimes? Analysis of the possible causes of changes in precipitation systems. *Science of the Total Environment*, **2019**, 690, 370-387	10.2	78
45	Distribution of naturally occurring radionuclides in soil around a coal-based power plant and their potential radiological risk assessment. *Radiochimica Acta*, **2019**, 107, 243-259	1.9	26
44	Effects of warming and reduced precipitation on soil respiration and N2O fluxes from winter wheat-soybean cropping systems. *Geoderma*, **2019**, 337, 956-964	6.7	24
43	Appraising spatial variations of As, Fe, Mn and NO contaminations associated health risks of drinking water from Surma basin, Bangladesh. *Chemosphere*, **2019**, 218, 726-740	8.4	36
42	Dynamic analysis of pan evaporation variations in the Huai River Basin, a climate transition zone in eastern China. *Science of the Total Environment*, **2018**, 625, 496-509	10.2	34
41	Assessing groundwater quality and its sustainability in Joypurhat district of Bangladesh using GIS and multivariate statistical approaches. *Environment, Development and Sustainability*, **2018**, 20, 1935-1959	4.5	43
40	Predicting design water requirement of winter paddy under climate change condition using frequency analysis in Bangladesh. *Agricultural Water Management*, **2018**, 195, 58-70	5.9	15
39	Quantifying Climatic Impact on Reference Evapotranspiration Trends in the Huai River Basin of Eastern China. *Water (Switzerland)*, **2018**, 10, 144	3	17

38	Reference Evapotranspiration Variation Analysis and Its Approaches Evaluation of 13 Empirical Models in Sub-Humid and Humid Regions: A Case Study of the Huai River Basin, Eastern China. *Water (Switzerland)*, **2018**, 10, 493	3	13
37	Evaluating Structural, Chlorophyll-Based and Photochemical Indices to Detect Summer Maize Responses to Continuous Water Stress. *Water (Switzerland)*, **2018**, 10, 500	3	11
36	Assessment of trace elements of groundwater and their spatial distribution in Rangpur district, Bangladesh. *Arabian Journal of Geosciences*, **2017**, 10, 1	1.8	44
35	Paleoenvironment of deposition of Miocene succession in well BK-10 of Bengal Basin using electrofacies and lithofacies modeling approaches. *Modeling Earth Systems and Environment*, **2017**, 3, 1	3.2	2
34	Spatiotemporal analysis the precipitation extremes affecting rice yield in Jiangsu province, southeast China. *International Journal of Biometeorology*, **2017**, 61, 1863-1872	3.7	15
33	Characterizing groundwater quality ranks for drinking purposes in Sylhet district, Bangladesh, using entropy method, spatial autocorrelation index, and geostatistics. *Environmental Science and Pollution Research*, **2017**, 24, 26350-26374	5.1	95
32	Assessing irrigation water quality in Faridpur district of Bangladesh using several indices and statistical approaches. *Arabian Journal of Geosciences*, **2017**, 10, 1	1.8	21
31	Drought Hazard Evaluation in Boro Paddy Cultivated Areas of Western Bangladesh at Current and Future Climate Change Conditions. *Advances in Meteorology*, **2017**, 2017, 1-12	1.7	49
30	Simulation of Storm Surge in Myanmar Coast. *Earth Systems and Environment*, **2017**, 1, 1	7.5	1
29	Assessment of arsenic health risk and source apportionment of groundwater pollutants using multivariate statistical techniques in Chapai-Nawabganj district, Bangladesh. *Journal of the Geological Society of India*, **2017**, 90, 239-248	1.3	25
28	Evaluation of Water Quality for Sustainable Agriculture in Bangladesh. *Water, Air, and Soil Pollution*, **2017**, 228, 1	2.6	25
27	Changes in Reference Evapotranspiration and Its Contributing Factors in Jiangsu, a Major Economic and Agricultural Province of Eastern China. *Water (Switzerland)*, **2017**, 9, 486	3	23
26	Characterization of groundwater quality using water evaluation indices, multivariate statistics and geostatistics in central BangladeshPeer review under responsibility of National Water Research Center. View all notes. *Water Science*, **2016**, 30, 19-40	1.9	161
25	Assessment of groundwater quality of Lakshimpur district of Bangladesh using water quality indices, geostatistical methods, and multivariate analysis. *Environmental Earth Sciences*, **2016**, 75, 1	2.9	95
24	Assessment of Fluvial Channel Dynamics of Padma River in Northwestern Bangladesh. *Universal Journal of Geoscience*, **2016**, 4, 41-49	0	11
23	Characterization of southwest monsoon onset over Myanmar. *Meteorology and Atmospheric Physics* , **2015**, 127, 587-603	2	10
22	Identification of Gas Sand Horizons of the Rashidpur Structure, Surma Basin, Bangladesh, Using 2D Seismic Interpretation. *International Journal of Geophysics*, **2015**, 2015, 1-10	2	2
21	Assessment of Health Hazard of Metal Concentration in Groundwater of Bangladesh. *American Chemical Science Journal*, **2015**, 5, 41-49		14

20	Geomorphological and Land Use Mapping: A Case Study of Ishwardi Under Pabna District, Bangladesh. *Advances in Research*, **2015**, 4, 378-387	0.1	4
19	Assessment of drinking water related to arsenic and salinity hazard in Patuakhali district, Bangladesh. *International Journal of Advanced Geosciences*, **2014**, 2,	0.2	10
18	Petro physical parameter studies for characterization of gas reservoir of Narsingdi gas field, Bangladesh. *International Journal of Advanced Geosciences*, **2014**, 2,	0.2	2
17	Climate Change Impact: Food Production and Local Perception. *American Journal of Environmental Protection*, **2014**, 3, 45	1.5	6
16	Impact of Air Pollutant on Human Health in Kushtia Sugar Mill, Bangladesh. *International Journal of Scientific Research in Environmental Sciences*, **2014**, 2, 184-191		3
15	Evaluation of Gas Reservoir of the Meghna Gas Field, Bangladesh Using Wireline Log Interpretation. *Universal Journal of Geoscience*, **2014**, 2, 62-69	0	2
14	Landslide susceptibility modeling in a complex mountainous region of Sikkim Himalaya using new hybrid data mining approach. *Geocarto International*,1-26	2.7	4
13	Assessment of CMIP6 global climate models in reconstructing rainfall climatology of Bangladesh. *International Journal of Climatology*,	3.5	3
12	Spatiotemporal variability of rainfall linked to ground water level under changing climate in northwestern region, Bangladesh35-56		8
11	Effects of convective available potential energy, temperature and humidity on the variability of thunderstorm frequency over Bangladesh. *Theoretical and Applied Climatology*,1	3	0
10	Sustainable groundwater quality in southeast coastal Bangladesh: co-dispersions, sources, and probabilistic health risk assessment. *Environment, Development and Sustainability*,1	4.5	7
9	Land transform and its consequences due to the route change of the Brahmaputra River in Bangladesh. *International Journal of River Basin Management*,1-13	1.7	3
8	Geochemical variation and contamination level of potentially toxic elements in land-uses urban soils. *International Journal of Environmental Analytical Chemistry*,1-18	1.8	6
7	Developing groundwater potentiality models by coupling ensemble machine learning algorithms and statistical techniques for sustainable groundwater management. *Geocarto International*,1-21	2.7	3
6	Assessing factors affecting drought, earthquake, and flood risk perception: empirical evidence from Bangladesh. *Natural Hazards*,1	3	2
5	Changes in monsoon precipitation patterns over Bangladesh and its teleconnections with global climate. *Theoretical and Applied Climatology*,1	3	1
4	Groundwater level estimation in northern region of Bangladesh using hybrid locally weighted linear regression and Gaussian process regression modeling. *Theoretical and Applied Climatology*,1	3	1
3	Application of novel deep boosting framework-based earthquake induced landslide hazards prediction approach in Sikkim Himalaya. *Geocarto International*,1-23	2.7	0

2	Evaluation of climate change impacts on future gully erosion using deep learning and soft computational approaches. *Geocarto International*,1-37	2.7	1
1	Stacking state-of-the-art ensemble for flash-flood potential assessment. *Geocarto International*,1-24	2.7	1