

Shamsuddin Shahid

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2213354/shamsuddin-shahid-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295 papers	7,328 citations	48 h-index	69 g-index
315 ext. papers	9,897 ext. citations	3.5 avg, IF	7.15 L-index

#	Paper	IF	Citations
295	Drought risk assessment in the western part of Bangladesh. <i>Natural Hazards</i> , 2008 , 46, 391-413	3	282
294	Impact of climate change on irrigation water demand of dry season Boro rice in northwest Bangladesh. <i>Climatic Change</i> , 2011 , 105, 433-453	4.5	188
293	Trends in extreme rainfall events of Bangladesh. <i>Theoretical and Applied Climatology</i> , 2011 , 104, 489-499	3.5	152
292	Rainfall variability and the trends of wet and dry periods in Bangladesh. <i>International Journal of Climatology</i> , 2010 , 30, 2299-2313	3.5	152
291	Adaptation to climate change impacts on water demand. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016 , 21, 81-99	3.9	128
290	Groundwater Drought in the Northwestern Districts of Bangladesh. <i>Water Resources Management</i> , 2010 , 24, 1989-2006	3.7	126
289	Recent trends in the climate of Bangladesh. <i>Climate Research</i> , 2010 , 42, 185-193	1.6	109
288	Statistical downscaling of precipitation using machine learning techniques. <i>Atmospheric Research</i> , 2018 , 212, 240-258	5.4	105
287	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. <i>Atmospheric Research</i> , 2018 , 214, 364-374	5.4	99
286	Quantifying hourly suspended sediment load using data mining models: Case study of a glacierized Andean catchment in Chile. <i>Journal of Hydrology</i> , 2018 , 567, 165-179	6	99
285	Spatial and temporal characteristics of droughts in the western part of Bangladesh. <i>Hydrological Processes</i> , 2008 , 22, 2235-2247	3.3	97
284	An empirical study of construction and demolition waste generation and implication of recycling. <i>Waste Management</i> , 2019 , 95, 10-21	8.6	92
283	Trends in rainfall and rainfall-related extremes in the east coast of peninsular Malaysia. <i>Journal of Earth System Science</i> , 2015 , 124, 1609-1622	1.8	83
282	Long-term trends in daily temperature extremes in Iraq. <i>Atmospheric Research</i> , 2017 , 198, 97-107	5.4	81
281	Changes in diurnal temperature range in Bangladesh during the time period 1961-2008. <i>Atmospheric Research</i> , 2012 , 118, 260-270	5.4	79
280	Climate variability and changes in the major cities of Bangladesh: observations, possible impacts and adaptation. <i>Regional Environmental Change</i> , 2016 , 16, 459-471	4.3	78
279	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. <i>Atmospheric Research</i> , 2018 , 213, 509-522	5.4	78

278	Model output statistics downscaling using support vector machine for the projection of spatial and temporal changes in rainfall of Bangladesh. <i>Atmospheric Research</i> , 2018 , 213, 149-162	5.4	78
277	Water resources management strategy for adaptation to droughts in China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2012 , 17, 923-937	3.9	74
276	Low impact development techniques to mitigate the impacts of climate-change-induced urban floods: Current trends, issues and challenges. <i>Sustainable Cities and Society</i> , 2020 , 62, 102373	10.1	72
275	Trend Analysis of Droughts during Crop Growing Seasons of Nigeria. <i>Sustainability</i> , 2018 , 10, 871	3.6	72
274	Trends analysis of rainfall and rainfall extremes in Sarawak, Malaysia using modified Mann-Kendall test. <i>Meteorology and Atmospheric Physics</i> , 2019 , 131, 263-277	2	71
273	Spatial distribution of unidirectional trends in temperature and temperature extremes in Pakistan. <i>Theoretical and Applied Climatology</i> , 2019 , 136, 899-913	3	69
272	Prediction of droughts over Pakistan using machine learning algorithms. <i>Advances in Water Resources</i> , 2020 , 139, 103562	4.7	68
271	Characterization of seasonal droughts in Balochistan Province, Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016 , 30, 747-762	3.5	66
270	Genetic Programming for the Downscaling of Extreme Rainfall Events on the East Coast of Peninsular Malaysia. <i>Atmosphere</i> , 2014 , 5, 914-936	2.7	66
269	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. <i>Water (Switzerland)</i> , 2019 , 11, 1096	3	65
268	Performance Assessment of General Circulation Model in Simulating Daily Precipitation and Temperature Using Multiple Gridded Datasets. <i>Water (Switzerland)</i> , 2018 , 10, 1793	3	65
267	Spatial distribution of secular trends in annual and seasonal precipitation over Pakistan. <i>Climate Research</i> , 2017 , 74, 95-107	1.6	63
266	Precipitation projection using a CMIP5 GCM ensemble model: a regional investigation of Syria. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 90-106	4.5	59
265	Complementary data-intelligence model for river flow simulation. <i>Journal of Hydrology</i> , 2018 , 567, 180-190		59
264	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	5.5	58
263	Analysis of Meteorological Drought Pattern During Different Climatic and Cropping Seasons in Bangladesh. <i>Journal of the American Water Resources Association</i> , 2015 , 51, 794-806	2.1	57
262	Changing Pattern of Droughts during Cropping Seasons of Bangladesh. <i>Water Resources Management</i> , 2018 , 32, 1555-1568	3.7	57
261	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. <i>Water (Switzerland)</i> , 2019 , 11, 502	3	56

260	Changing characteristics of meteorological droughts in Nigeria during 1901-2010. <i>Atmospheric Research</i> , 2019 , 223, 60-73	5.4	56
259	Projection of spatial and temporal changes of rainfall in Sarawak of Borneo Island using statistical downscaling of CMIP5 models. <i>Atmospheric Research</i> , 2017 , 197, 446-460	5.4	56
258	. <i>IEEE Access</i> , 2019 , 7, 74471-74481	3.5	55
257	Unidirectional trends in annual and seasonal climate and extremes in Egypt. <i>Theoretical and Applied Climatology</i> , 2019 , 136, 457-473	3	55
256	Selection of gridded precipitation data for Iraq using compromise programming. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 132, 87-98	4.6	55
255	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. <i>Water (Switzerland)</i> , 2019 , 11, 210	3	54
254	Trends in heat wave related indices in Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019 , 33, 287-302	3.5	53
253	Gini coefficient to assess equity in domestic water supply in the Yellow River. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2012 , 17, 65-75	3.9	52
252	Copula based assessment of meteorological drought characteristics: Regional investigation of Iran. <i>Agricultural and Forest Meteorology</i> , 2019 , 276-277, 107611	5.8	50
251	Spatial assessment of meteorological drought features over different climate regions in Iran. <i>International Journal of Climatology</i> , 2020 , 40, 1864-1884	3.5	50
250	Prediction of heat waves in Pakistan using quantile regression forests. <i>Atmospheric Research</i> , 2019 , 221, 1-11	5.4	49
249	Assessment of groundwater potential zones in an arid region based on catastrophe theory. <i>Earth Science Informatics</i> , 2015 , 8, 539-549	2.5	49
248	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. <i>Atmospheric Research</i> , 2020 , 236, 104806	5.4	49
247	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	6	48
246	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	2.1	48
245	Catastrophe theory to assess water security and adaptation strategy in the context of environmental change. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014 , 19, 463-477	3.9	48
244	Impacts and adaptation to climate change in Malaysian real estate. <i>International Journal of Climate Change Strategies and Management</i> , 2017 , 9, 87-103	3.9	47
243	A MCDM-based framework for selection of general circulation models and projection of spatio-temporal rainfall changes: A case study of Nigeria. <i>Atmospheric Research</i> , 2019 , 225, 1-16	5.4	47

242	Probable impacts of climate change on public health in Bangladesh. <i>Asia-Pacific Journal of Public Health</i> , 2010 , 22, 310-9	2	47
241	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	3.3	45
240	Evaluation of Empirical Reference Evapotranspiration Models Using Compromise Programming: A Case Study of Peninsular Malaysia. <i>Sustainability</i> , 2019 , 11, 4267	3.6	44
239	A comparison between index of entropy and catastrophe theory methods for mapping groundwater potential in an arid region. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 576	3.1	42
238	The Integration of Nature-Inspired Algorithms with Least Square Support Vector Regression Models: Application to Modeling River Dissolved Oxygen Concentration. <i>Water (Switzerland)</i> , 2018 , 10, 1124	3	42
237	Assessment of Satellite-Based Precipitation Measurement Products over the Hot Desert Climate of Egypt. <i>Remote Sensing</i> , 2019 , 11, 555	5	41
236	Symmetrical uncertainty and random forest for the evaluation of gridded precipitation and temperature data. <i>Atmospheric Research</i> , 2019 , 230, 104632	5.4	40
235	Vulnerability of the power sector of Bangladesh to climate change and extreme weather events. <i>Regional Environmental Change</i> , 2012 , 12, 595-606	4.3	40
234	Spatial distribution of unidirectional trends in climate and weather extremes in Nile river basin. <i>Theoretical and Applied Climatology</i> , 2019 , 137, 1181-1199	3	40
233	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	1.8	39
232	Uncertainty in Rainfall Intensity Duration Frequency Curves of Peninsular Malaysia under Changing Climate Scenarios. <i>Water (Switzerland)</i> , 2018 , 10, 1750	3	38
231	Distributional changes in rainfall and river flow in Sarawak, Malaysia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017 , 53, 489-500	2.1	36
230	Implementation of evolutionary computing models for reference evapotranspiration modeling: short review, assessment and possible future research directions. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 811-823	4.5	36
229	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	3	36
228	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	6	36
227	Spatiotemporal changes in aridity and the shift of drylands in Iran. <i>Atmospheric Research</i> , 2020 , 233, 104704	5.4	36
226	Uncertainty in Estimated Trends Using Gridded Rainfall Data: A Case Study of Bangladesh. <i>Water (Switzerland)</i> , 2019 , 11, 349	3	35
225	Impacts of climate change on groundwater level and irrigation cost in a groundwater dependent irrigated region. <i>Agricultural Water Management</i> , 2018 , 208, 33-42	5.9	35

224	Climate change and water resources management in Tuwei river basin of Northwest China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2014 , 19, 107-120	3.9	35
223	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. <i>Scientific Reports</i> , 2020 , 10, 10107	4.9	34
222	Spatiotemporal changes in aridity of Pakistan during 1901–2016. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 3081-3096	5.5	34
221	Improving streamflow prediction using a new hybrid ELM model combined with hybrid particle swarm optimization and grey wolf optimization. <i>Knowledge-Based Systems</i> , 2021 , 230, 107379	7.3	34
220	Spatial Pattern of the Unidirectional Trends in Thermal Bioclimatic Indicators in Iran. <i>Sustainability</i> , 2019 , 11, 2287	3.6	33
219	Impact of climate change on regional irrigation water demand in Baojixia irrigation district of China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016 , 21, 233-247	3.9	33
218	Physical-empirical models for prediction of seasonal rainfall extremes of Peninsular Malaysia. <i>Atmospheric Research</i> , 2020 , 233, 104720	5.4	33
217	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. <i>Water Resources Management</i> , 2020 , 34, 1075-1091	3.7	32
216	Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 70-89	4.5	32
215	Parametric Assessment of Seasonal Drought Risk to Crop Production in Bangladesh. <i>Sustainability</i> , 2019 , 11, 1442	3.6	31
214	Historic water consumptions and future management strategies for Haihe River basin of Northern China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 371-387	3.9	31
213	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. <i>Sustainability</i> , 2018 , 10, 21823.6	3.6	31
212	Spatial assessment of groundwater over-exploitation in northwestern districts of Bangladesh. <i>Journal of the Geological Society of India</i> , 2015 , 85, 463-470	1.3	31
211	Climate change and crop farming in Bangladesh: an analysis of economic impacts. <i>International Journal of Climate Change Strategies and Management</i> , 2019 , 11, 424-440	3.9	31
210	Viability of the advanced adaptive neuro-fuzzy inference system model on reservoir evaporation process simulation: case study of Nasser Lake in Egypt. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2019 , 13, 878-891	4.5	30
209	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	3	30
208	Changes in reference evapotranspiration and its driving factors in peninsular Malaysia. <i>Atmospheric Research</i> , 2020 , 246, 105096	5.4	29
207	Evaluating severity–area–frequency (SAF) of seasonal droughts in Bangladesh under climate change scenarios. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 447-464	3.5	29

206	Unidirectional trends in daily rainfall extremes of Iraq. <i>Theoretical and Applied Climatology</i> , 2018 , 134, 1165-1177	3	29
205	The new concept of water resources management in China: ensuring water security in changing environment. <i>Environment, Development and Sustainability</i> , 2018 , 20, 897-909	4.5	29
204	GIS Integration of Remote Sensing and Topographic Data Using Fuzzy Logic for Ground Water Assessment in Midnapur District, India. <i>Geocarto International</i> , 2002 , 17, 69-74	2.7	29
203	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	3	28
202	Spatial interpolation of climatic variables in a predominantly arid region with complex topography. <i>Environment Systems and Decisions</i> , 2014 , 34, 555-563	4.1	28
201	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. <i>Sustainability</i> , 2019 , 11, 5836	3.6	27
200	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 793-808	3	27
199	A GIS-based integration of catastrophe theory and analytical hierarchy process for mapping flood susceptibility: a case study of Teeb area, Southern Iraq. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	26
198	Potential impact of climate change on future water demand in Yulin city, Northwest China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 1-19	3.9	25
197	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	3	25
196	Evaluation of the performance of gridded precipitation products over Balochistan Province, Pakistan	79, 73-86	25
195	Changes in Climatic Water Availability and Crop Water Demand for Iraq Region. <i>Sustainability</i> , 2020 , 12, 3437	3.6	24
194	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. <i>Atmospheric Research</i> , 2020 , 233, 104688	5.4	24
193	Selection of general circulation models for the projections of spatio-temporal changes in temperature of Borneo Island based on CMIP5. <i>Theoretical and Applied Climatology</i> , 2020 , 139, 351-371	3	24
192	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. <i>Energy Reports</i> , 2021 , 7, 136-157	4.6	24
191	Impact of temperature changes on groundwater levels and irrigation costs in a groundwater-dependent agricultural region in Northwest Bangladesh. <i>Hydrological Research Letters</i> , 2017 , 11, 85-91	1.3	23
190	Spatiotemporal nexus between vegetation change and extreme climatic indices and their possible causes of change. <i>Journal of Environmental Management</i> , 2021 , 289, 112505	7.9	23
189	Prediction of meteorological drought by using hybrid support vector regression optimized with HHO versus PSO algorithms. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 39139-39158	5.1	23

188	Development of high-resolution daily gridded temperature datasets for the central north region of Egypt. <i>Scientific Data</i> , 2019 , 6, 138	8.2	22
187	Nitrate Adsorption on Clay Kaolin: Batch Tests. <i>Journal of Chemistry</i> , 2015 , 2015, 1-7	2.3	22
186	Absolute homogeneity assessment of precipitation time series in an arid region of Pakistan. <i>Atmosfera</i> , 2018 , 31, 301-316	2.5	22
185	Development of multi-model ensemble for projection of extreme rainfall events in Peninsular Malaysia 2019 , 50, 1772-1788		22
184	Assessment of drought risk index using drought hazard and vulnerability indices. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	22
183	Modeling Irrigation Water Demand in a Tropical Paddy Cultivated Area in the Context of Climate Change. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2017 , 143, 05017003	2.8	21
182	Open Channel Sluice Gate Scouring Parameters Prediction: Different Scenarios of Dimensional and Non-Dimensional Input Parameters. <i>Water (Switzerland)</i> , 2019 , 11, 353	3	21
181	Evaluation of remotely sensed precipitation sources for drought assessment in Semi-Arid Iraq. <i>Atmospheric Research</i> , 2020 , 242, 105007	5.4	21
180	Improving the Muskingum Flood Routing Method Using a Hybrid of Particle Swarm Optimization and Bat Algorithm. <i>Water (Switzerland)</i> , 2018 , 10, 807	3	21
179	A novel framework for selecting general circulation models based on the spatial patterns of climate. <i>International Journal of Climatology</i> , 2020 , 40, 4422-4443	3.5	21
178	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. <i>Atmospheric Research</i> , 2021 , 254, 105525	5.4	21
177	A review on green economy and development of green roads and highways using carbon neutral materials. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 101, 600-613	16.2	21
176	Modeling water quality and hydrological variables using ARIMA: a case study of Johor River, Malaysia. <i>Sustainable Water Resources Management</i> , 2018 , 4, 991-998	1.9	21
175	ReliabilityResiliencyVulnerability Approach for Drought Analysis in South Korea Using 28 GCMs. <i>Sustainability</i> , 2018 , 10, 3043	3.6	21
174	Advances in CMIP6 INM-CM5 over CMIP5 INM-CM4 for precipitation simulation in South Korea. <i>Atmospheric Research</i> , 2021 , 247, 105261	5.4	20
173	Cautionary note on the use of genetic programming in statistical downscaling. <i>International Journal of Climatology</i> , 2018 , 38, 3449-3465	3.5	19
172	Removal Techniques of Nitrate from Water. <i>Asian Journal of Chemistry</i> , 2014 , 26, 7881-7886	0.4	19
171	Performance of five high resolution satellite-based precipitation products in arid region of Egypt: An evaluation. <i>Atmospheric Research</i> , 2020 , 236, 104809	5.4	19

170	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	2.3	19
169	Spatial Mapping of Groundwater Potential Using Entropy Weighted Linear Aggregate Novel Approach and GIS. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 1185-1199	2.5	18
168	A GIS-Based Integrated Fuzzy Logic and Analytic Hierarchy Process Model for Assessing Water-Harvesting Zones in Northeastern Maysan Governorate, Iraq. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 2487-2499	2.5	18
167	Spatial mapping of artesian zone at Iraqi southern desert using a GIS-based random forest machine learning model. <i>Modeling Earth Systems and Environment</i> , 2016 , 2, 1	3.2	18
166	Determination of biochemical oxygen demand and dissolved oxygen for semi-arid river environment: application of soft computing models. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 923-937	5.1	18
165	Integration of catastrophe and entropy theories for flood risk mapping in peninsular Malaysia. <i>Journal of Flood Risk Management</i> , 2021 , 14, e12686	3.1	17
164	Assessment of changing pattern of crop water stress in Bangladesh. <i>Environment, Development and Sustainability</i> , 2020 , 22, 4619-4637	4.5	17
163	Impacts of climate variability and changes on domestic water use in the Yellow River Basin of China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2017 , 22, 595-608	3.9	16
162	Optimum Abstraction of Groundwater for Sustaining Groundwater Level and Reducing Irrigation Cost. <i>Water Resources Management</i> , 2017 , 31, 1947-1959	3.7	16
161	Evaluation of spatio-temporal rainfall variability and performance of a stochastic rainfall model in Bangladesh. <i>International Journal of Climatology</i> , 2019 , 39, 4256-4273	3.5	16
160	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. <i>Hydrological Sciences Journal</i> , 2020 , 65, 1145-1157	3.5	16
159	Parametric Assessment of Pre-Monsoon Agricultural Water Scarcity in Bangladesh. <i>Sustainability</i> , 2018 , 10, 819	3.6	16
158	Assessment of Greenhouse Gas Emission Reduction Measures in Transportation Sector of Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 70,	1.2	16
157	Selection of CMIP5 general circulation model outputs of precipitation for peninsular Malaysia 2020 , 51, 781-798		16
156	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. <i>Scientific Reports</i> , 2021 , 11, 3435	4.9	16
155	Deciphering transmissivity and hydraulic conductivity of the aquifer by vertical electrical sounding (VES) experiments in Northwest Bangladesh. <i>Applied Water Science</i> , 2016 , 6, 35-45	5	15
154	GCM selection and temperature projection of Nigeria under different RCPs of the CMIP5 GCMS. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 1611-1627	3	15
153	Comparison of CMIP6 and CMIP5 model performance in simulating historical precipitation and temperature in Bangladesh: a preliminary study. <i>Theoretical and Applied Climatology</i> , 2021 , 145, 1385-1406	3.6	15

152	Construction labour productivity: review of factors identified. <i>International Journal of Construction Management</i> , 2019 , 1-13	1.9	14
151	Long Term Historic Changes in the Flow of Lesser Zab River, Iraq. <i>Hydrology</i> , 2019 , 6, 22	2.8	14
150	A Newly Developed Integrative Bio-Inspired Artificial Intelligence Model for Wind Speed Prediction. <i>IEEE Access</i> , 2020 , 8, 83347-83358	3.5	14
149	Daily pan-evaporation estimation in different agro-climatic zones using novel hybrid support vector regression optimized by Salp swarm algorithm in conjunction with gamma test. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1075-1094	4.5	14
148	Potential Impact of Climate Change on Residential Energy Consumption in Dhaka City. <i>Environmental Modeling and Assessment</i> , 2018 , 23, 131-140	2	14
147	Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model. <i>Chemosphere</i> , 2021 , 276, 130162	8.4	14
146	Characteristics of Annual and Seasonal Trends of Rainfall and Temperature in Iraq. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2019 , 55, 429-438	2.1	13
145	River water level prediction in coastal catchment using hybridized relevance vector machine model with improved grasshopper optimization. <i>Journal of Hydrology</i> , 2021 , 598, 126477	6	13
144	A Hybrid Model for Statistical Downscaling of Daily Rainfall. <i>Procedia Engineering</i> , 2016 , 154, 1424-1430		13
143	Influence of Surface Water Bodies on the Land Surface Temperature of Bangladesh. <i>Sustainability</i> , 2019 , 11, 6754	3.6	13
142	Soil erosion susceptibility of Johor River basin. <i>Water and Environment Journal</i> , 2017 , 31, 367-374	1.7	12
141	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		12
140	Quantification and uncertainty of the impact of climate change on river discharge and sediment yield in the Dehbar river basin in Iran. <i>Journal of Soils and Sediments</i> , 2020 , 20, 2977-2996	3.4	12
139	The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016. <i>Hydrogeology Journal</i> , 2019 , 27, 2485-2496	3.1	12
138	Spatiotemporal differences and uncertainties in projections of precipitation and temperature in South Korea from CMIP6 and CMIP5 general circulation models. <i>International Journal of Climatology</i> , 2020 , 40, 1050-1061	3.5	12
137	Groundwater level prediction using machine learning models: A comprehensive review. <i>Neurocomputing</i> , 2022 , 489, 271-308	5.4	12
136	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. <i>Atmospheric Research</i> , 2020 , 245, 105061	5.4	11
135	Spatiotemporal changes in precipitation indicators related to bioclimate in Iran. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 99-115	3	11

134	Impact of landuse on groundwater quality of Bangladesh. <i>Sustainable Water Resources Management</i> , 2018 , 4, 1031-1036	1.9	11
133	Modeling of wastewater quality in an urban area during festival and rainy days. <i>Water Science and Technology</i> , 2015 , 72, 1029-42	2.2	11
132	SEISRES is a Visual C++ program for the sequential inversion of seismic refraction and geoelectric data. <i>Computers and Geosciences</i> , 2000 , 26, 177-200	4.5	11
131	Performance evaluation of reanalysis precipitation products in Egypt using fuzzy entropy time series similarity analysis. <i>International Journal of Climatology</i> , 2021 , 41, 5431-5446	3.5	11
130	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. <i>Earth Systems and Environment</i> , 2019 , 3, 381-398	7.5	10
129	Spatial assessment of groundwater demand in Northwest Bangladesh. <i>International Journal of Water</i> , 2010 , 5, 267	0.9	10
128	Inconsistency in historical simulations and future projections of temperature and rainfall: A comparison of CMIP5 and CMIP6 models over Southeast Asia. <i>Atmospheric Research</i> , 2022 , 265, 105927	5.4	10
127	Development of new machine learning model for streamflow prediction: case studies in Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 1	3.5	10
126	Evaluating intensity-duration-frequency (IDF) curves of satellite-based precipitation datasets in Peninsular Malaysia. <i>Atmospheric Research</i> , 2021 , 248, 105203	5.4	10
125	Hydrological behaviour of a drained agricultural peat catchment in the tropics. 1: Rainfall, runoff and water table relationships. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1297-1309	3.5	9
124	Flood Frequency Analysis Based on t-copula for Johor River, Malaysia. <i>Journal of Applied Sciences</i> , 2013 , 13, 1021-1028	0.3	9
123	Spatiotemporal changes in precipitation extremes in the arid province of Pakistan with removal of the influence of natural climate variability. <i>Theoretical and Applied Climatology</i> , 2020 , 142, 1447-1462	3	9
122	Demand control and quota management strategy for sustainable water use in China. <i>Environmental Earth Sciences</i> , 2015 , 73, 7403-7413	2.9	8
121	High-Resolution Climate Projections for a Densely Populated Mediterranean Region. <i>Sustainability</i> , 2020 , 12, 3684	3.6	8
120	Modeling domestic water demand in Huaihe River Basin of China under climate change and population dynamics. <i>Environment, Development and Sustainability</i> , 2018 , 20, 911-924	4.5	8
119	Forecasting industrial water demand in Huaihe River Basin due to environmental changes. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018 , 23, 469-483	3.9	8
118	Effects of El Nino Southern Oscillation on the Discharge of Kor River in Iran. <i>Advances in Meteorology</i> , 2013 , 2013, 1-7	1.7	8
117	Inter-comparison of historical simulation and future projections of rainfall and temperature by CMIP5 and CMIP6 GCMs over Egypt. <i>International Journal of Climatology</i> ,	3.5	8

116	Prediction of Potential Evapotranspiration Using Temperature-Based Heuristic Approaches. <i>Sustainability</i> , 2021 , 13, 297	3.6	8
115	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	4.5	8
114	Assessing the Uncertainty Associated with Flood Features due to Variability of Rainfall and Hydrological Parameters. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-9	1.3	8
113	Changes in monsoon rainfall distribution of Bangladesh using quantile regression model. <i>Theoretical and Applied Climatology</i> , 2020 , 142, 1329-1342	3	8
112	GIS integration of hydrogeological and geoelectrical data for groundwater potential modeling in the western part of greater Kushtia district of Bangladesh. <i>Water Resources</i> , 2016 , 43, 283-291	0.9	8
111	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. <i>Agriculture (Switzerland)</i> , 2021 , 11, 1288	3	8
110	Groundwater resource evaluation in the western part of Kushtia district of Bangladesh using vertical electrical sounding technique. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 97-110	1.5	7
109	Modelling labour productivity using SVM and RF: a comparative study on classifiers performance. <i>International Journal of Construction Management</i> , 2020 , 1-11	1.9	7
108	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	2.3	7
107	Trends and Variabilities of Thunderstorm Days over Bangladesh on the ENSO and IOD Timescales. <i>Atmosphere</i> , 2020 , 11, 1176	2.7	7
106	The development of evolutionary computing model for simulating reference evapotranspiration over Peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 2021 , 144, 1419-1434	3	7
105	Comparative implementation between neuro-emotional genetic algorithm and novel ensemble computing techniques for modelling dissolved oxygen concentration. <i>Hydrological Sciences Journal</i> , 2021 , 66, 1584-1596	3.5	7
104	Spatial Shift of Aridity and Its Impact on Land Use of Syria. <i>Sustainability</i> , 2019 , 11, 7047	3.6	7
103	Divergence of potential evapotranspiration trends over Pakistan during 1967–2016. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 215-227	3	7
102	Spatiotemporal variability of rainfall trends and influencing factors in Rwanda. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 219, 105631	2	7
101	Groundwater dynamics and balance in the western part of greater Kushtia district of Bangladesh. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 1595-1606	1.9	6
100	Return Periods of Extreme Meteorological Droughts during Monsoon in Bangladesh. <i>Applied Mechanics and Materials</i> , 2015 , 735, 186-189	0.3	6
99	A novel selection method of CMIP6 GCMs for robust climate projection. <i>International Journal of Climatology</i> ,	3.5	6

98	Spatiotemporal distribution of drought and its possible associations with ENSO indices in Bangladesh. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	6
97	Correcting bias of satellite rainfall data using physical empirical model. <i>Atmospheric Research</i> , 2021 , 251, 105430	5.4	6
96	CLIMATE CHANGE AND ROAD SAFETY: A REVIEW TO ASSESS IMPACTS IN MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016 , 78,	1.2	6
95	TOPMODEL for Streamflow Simulation of a Tropical Catchment Using Different Resolutions of ASTER DEM: Optimization Through Response Surface Methodology. <i>Water Resources Management</i> , 2016 , 30, 3159-3173	3.7	6
94	Prediction of groundwater flowing well zone at An-Najif Province, central Iraq using evidential belief functions model and GIS. <i>Environmental Monitoring and Assessment</i> , 2015 , 188, 549	3.1	6
93	Prediction of dissolved oxygen, biochemical oxygen demand, and chemical oxygen demand using hydrometeorological variables: case study of Selangor River, Malaysia. <i>Environment, Development and Sustainability</i> , 2021 , 23, 8027-8046	4.5	6
92	A novel simulationOptimization strategy for stochastic-based designing of flood control dam: A case study of Jamishan dam. <i>Journal of Flood Risk Management</i> , 2021 , 14, e12678	3.1	6
91	Statistical Downscaling of Rainfall in an Arid Coastal Region: A Radial Basis Function Neural Network Approach. <i>Applied Mechanics and Materials</i> , 2015 , 735, 190-194	0.3	5
90	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021 , 15, 1585-1612	4.5	5
89	Future precipitation changes in Egypt under the 1.5 and 2.0 °C global warming goals using CMIP6 multimodel ensemble. <i>Atmospheric Research</i> , 2021 , 265, 105908	5.4	5
88	An Integrated Method for Identifying Present Status and Risk of Drought in Bangladesh. <i>Remote Sensing</i> , 2020 , 12, 2686	5	5
87	Precipitation and runoff variation characteristics in typical regions of North China Plain: a case study of Hengshui City. <i>Theoretical and Applied Climatology</i> , 2020 , 142, 971-985	3	5
86	Delineation of groundwater potential zones using a parsimonious concept based on catastrophe theory and analytical hierarchy process. <i>Hydrogeology Journal</i> , 2021 , 29, 1091-1116	3.1	5
85	Suspended Sediment Modeling Using a Heuristic Regression Method Hybridized with Kmeans Clustering. <i>Sustainability</i> , 2021 , 13, 4648	3.6	5
84	Domestic water demand forecasting in the Yellow River basin under changing environment. <i>International Journal of Climate Change Strategies and Management</i> , 2018 , 10, 379-388	3.9	5
83	Identification of NO ₂ and SO ₂ Pollution Hotspots and Sources in Jiangsu Province of China. <i>Remote Sensing</i> , 2021 , 13, 3742	5	5
82	Spatiotemporal changes and modulations of extreme climatic indices in monsoon-dominated climate region linkage with large-scale atmospheric oscillation. <i>Atmospheric Research</i> , 2021 , 264, 105840	5.4	5
81	Development of an optimal reservoir pumping operation for adaptation to climate change. <i>KSCE Journal of Civil Engineering</i> , 2017 , 21, 467-476	1.9	4

80	Assessment of Bus Service-Quality using Passengers' Perceptions. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 73,	1.2	4
79	Impact of Direct Soil Moisture and Revised Soil Moisture Index Methods on Hydrologic Predictions in an Arid Climate. <i>Advances in Meteorology</i> , 2014 , 2014, 1-8	1.7	4
78	Drought Index Prediction Using Data Intelligent Analytic Models: A Review. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021 , 1-27	0.4	4
77	Climate Change Impacts on and Adaptation to Groundwater 2017 , 107-124		4
76	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	2.3	4
75	Prediction of Flow Duration Curve in Ungauged Catchments Using Genetic Expression Programming. <i>Procedia Engineering</i> , 2016 , 154, 1431-1438		4
74	Simulation of nitrate transport and fate in groundwater in presence of kaolin. <i>Journal of Soils and Water Conservation</i> , 2019 , 74, 67-76	2.2	4
73	Inhomogeneity detection in the precipitation series: case of arid province of Pakistan. <i>Environment, Development and Sustainability</i> , 2021 , 23, 7176-7192	4.5	4
72	A new hybrid model based on relevance vector machine with flower pollination algorithm for phycocyanin pigment concentration estimation. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 32564	5.1	4
71	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	3	4
70	Groundwater-dependent irrigation costs and benefits for adaptation to global change. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2018 , 23, 953-979	3.9	4
69	Spatiotemporal changes in rainfall and droughts of Bangladesh for 1.5 and 2 °C temperature rise scenarios of CMIP6 models. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 527-542	3	4
68	Differences in multi-model ensembles of CMIP5 and CMIP6 projections for future droughts in South Korea. <i>International Journal of Climatology</i> ,	3.5	4
67	Optimizing Height and Spacing of Check Dam Systems for Better Grassed Channel Infiltration Capacity. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3725	2.6	3
66	Evaluation of Subsurface Lithologic Units for Groundwater Exploration in the Barind Tract of Bangladesh. <i>Geotechnical and Geological Engineering</i> , 2016 , 34, 1395-1411	1.5	3
65	Mechanism and comprehensive countermeasure for drought management from the view of catastrophe theory. <i>Natural Hazards</i> , 2014 , 71, 823-835	3	3
64	Hydrological behaviour of a drained agricultural peat catchment in the tropics. 2: Time series transfer function modelling approach. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1310-1325	3.5	3
63	Selection of the gridded temperature dataset for assessment of thermal bioclimatic environmental changes in Amu Darya River basin.. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022 , 1-21	3.5	3

62	An Investigation Into Qualitative Differences Between Bus Users and Operators for Intercity Travel in Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014 , 70,	1.2	3
61	Dual Water Choices: The Assessment of the Influential Factors on Water Sources Choices Using Unsupervised Machine Learning Market Basket Analysis. <i>IEEE Access</i> , 2021 , 1-1	3.5	3
60	Assessment of CMIP6 global climate models in reconstructing rainfall climatology of Bangladesh. <i>International Journal of Climatology</i> ,	3.5	3
59	Selection of multi-model ensemble of GCMs for the simulation of precipitation based on spatial assessment metrics		3
58	Predictability performance enhancement for suspended sediment in rivers: Inspection of newly developed hybrid adaptive neuro-fuzzy system model. <i>International Journal of Sediment Research</i> , 2021 , 37, 383-383	3	3
57	Projection of Water Availability and Sustainability in Nigeria Due to Climate Change. <i>Sustainability</i> , 2021 , 13, 6284	3.6	3
56	Changing Characteristics of the Water Consumption Structure in Nanjing City, Southern China. <i>Water (Switzerland)</i> , 2016 , 8, 314	3	3
55	Tropical stormwater nutrient degradation using nano-TiO ₂ in photocatalytic reactor detention pond. <i>Water Science and Technology</i> , 2016 , 73, 405-13	2.2	3
54	Daily scale river flow simulation: Hybridized fuzzy logic model with metaheuristic algorithms. <i>Hydrological Sciences Journal</i> ,	3.5	3
53	Effect of land use land cover changes on land surface temperature during 1984-2020: a case study of Baghdad city using landsat image. <i>Natural Hazards</i> ,1	3	3
52	Flowing well potential zoning at Iraqi southern and western deserts using frequency ratio and geographic information system. <i>International Journal of Environmental Science and Technology</i> , 2017 , 14, 2249-2268	3.3	2
51	Identifying factors and mitigation measures of safety practices for sustainable building construction. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 294, 012041	0.3	2
50	SPATIAL AND TEMPORAL PATTERN OF ROAD ACCIDENTS AND CASUALTIES IN PENINSULAR MALAYSIA. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 76,	1.2	2
49	Spatio-temporal Characteristics of Droughts and Drought Trends in Qazvin Province of Iran. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2014 , 11, 1299-1311	0.2	2
48	Forecasting domestic water demand in the Haihe river basin under changing environment. <i>Proceedings of the International Association of Hydrological Sciences</i> ,376, 51-55		2
47	Water resources response and prediction under climate change in TaoEr River Basin, Northeast China. <i>Journal of Mountain Science</i> , 2021 , 18, 2635-2645	2.1	2
46	Integration of complete ensemble empirical mode decomposition with deep long short-term memory model for particulate matter concentration prediction. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 64818-64829	5.1	2
45	Water use and demand forecasting model for coal-fired power generation plant in China. <i>Environment, Development and Sustainability</i> , 2019 , 21, 1675-1693	4.5	2

44	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	3.6	2
43	Geographically Weighted Regression Hybridized with Kriging Model for Delineation of Drought-Prone Areas. <i>Environmental Modeling and Assessment</i> , 2021 , 26, 803-821	2	2
42	Assessment of Spatiotemporal Variability of Meteorological Droughts in Northern Iraq Using Satellite Rainfall Data. <i>KSCE Journal of Civil Engineering</i> ,1	1.9	2
41	Prediction of heat waves over Pakistan using support vector machine algorithm in the context of climate change. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021 , 35, 1335	3.5	2
40	Assessment of Water Resources Availability in Amu Darya River Basin Using GRACE Data. <i>Water (Switzerland)</i> , 2022 , 14, 533	3	2
39	Bias correction method of high-resolution satellite-based precipitation product for Peninsular Malaysia. <i>Theoretical and Applied Climatology</i> ,1	3	2
38	Uncertainties in evapotranspiration projections associated with estimation methods and CMIP6 GCMs for South Korea.. <i>Science of the Total Environment</i> , 2022 , 825, 153953	10.2	2
37	An optimized baseflow separation method for assessment of seasonal and spatial variability of baseflow and the driving factors. <i>Journal of Chinese Geography</i> , 2021 , 31, 1873-1894	3.7	2
36	Climatic zonation of Egypt based on high-resolution dataset using image clustering technique. <i>Progress in Earth and Planetary Science</i> , 2022 , 9,	3.9	2
35	Interference and inefficiency of water wells: a constrain of water conservation in Bangladesh. <i>ISH Journal of Hydraulic Engineering</i> , 2017 , 23, 220-226	1.5	1
34	Volatility in Rainfall and Predictability of Droughts in Northwest Bangladesh. <i>Sustainability</i> , 2020 , 12, 9810	3.6	1
33	Spatiotemporal changes in water consumption structure of the Yellow River Basin, China. <i>Physics and Chemistry of the Earth</i> , 2022 , 103112	3	1
32	Assessing the spatial and temporal variations of terrestrial water storage of Iraq using GRACE satellite data and reliabilityResiliencyVulnerability indicators. <i>Arabian Journal of Geosciences</i> , 2022 , 15, 1	1.8	1
31	Comparison of precipitation projections of CMIP5 and CMIP6 global climate models over Yulin, China. <i>Theoretical and Applied Climatology</i> ,1	3	1
30	A new insight for real-time wastewater quality prediction using hybridized kernel-based extreme learning machines with advanced optimization algorithms. <i>Environmental Science and Pollution Research</i> , 2021 , 29, 20496	5.1	1
29	Changes in urbanization and urban heat island effect in Dhaka city. <i>Theoretical and Applied Climatology</i> , 2022 , 147, 891	3	1
28	Replicability of Annual and Seasonal Precipitation by CMIP5 and CMIP6 GCMs over East Asia. <i>KSCE Journal of Civil Engineering</i> ,1	1.9	1
27	Prediction of heat waves using meteorological variables in diverse regions of Iran with advanced machine learning models. <i>Stochastic Environmental Research and Risk Assessment</i> ,1	3.5	1

26	Empirical Model for the Assessment of Climate Change Impacts on Spatial Pattern of Water Availability in Nigeria. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021 , 405-427	0.4	1
25	Analysis of historical drought and flood characteristics of Hengshui during the period 1649–2018: a typical city in North China. <i>Natural Hazards</i> , 2021 , 108, 2081-2099	3	1
24	Spatio-temporal Investigations of Monsoon Precipitation and Its Historical and Future Trend over Sudan. <i>Earth Systems and Environment</i> , 2021 , 5, 519-529	7.5	1
23	Rice yield responses in Bangladesh to large-scale atmospheric oscillation using multifactorial model. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 29-44	3	1
22	Defining climate zone of Borneo based on cluster analysis. <i>Theoretical and Applied Climatology</i> , 2021 , 145, 1467-1484	3	1
21	Appraising the historical and projected spatiotemporal changes in the heat index in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 1-14	3	1
20	Future Hydrological Drought Analysis Considering Agricultural Water Withdrawal Under SSP Scenarios. <i>Water Resources Management</i> , 1	3.7	1
19	Changes in monsoon precipitation patterns over Bangladesh and its teleconnections with global climate. <i>Theoretical and Applied Climatology</i> , 1	3	1
18	Projection of rainfall intensity-duration-frequency curves at ungauged location under climate change scenarios. <i>Sustainable Cities and Society</i> , 2022 , 83, 103951	10.1	1
17	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. <i>Sustainability</i> , 2022 , 14, 6620	3.6	1
16	Predicting daily soil temperature at multiple depths using hybrid machine learning models for a semi-arid region in Punjab, India. <i>Environmental Science and Pollution Research</i> ,	5.1	1
15	Estimating the Standardized Precipitation Evapotranspiration Index Using Data-Driven Techniques: A Regional Study of Bangladesh. <i>Water (Switzerland)</i> , 2022 , 14, 1764	3	1
14	Assessment of climate change impact on probable maximum floods in a tropical catchment. <i>Theoretical and Applied Climatology</i> , 2022 , 148, 15	3	0
13	Recent changes in temperature extremes in subtropical climate region and the role of large-scale atmospheric oscillation patterns. <i>Theoretical and Applied Climatology</i> , 2022 , 148, 329	3	0
12	Effects of convective available potential energy, temperature and humidity on the variability of thunderstorm frequency over Bangladesh. <i>Theoretical and Applied Climatology</i> , 1	3	0
11	Application of ensemble machine learning model in downscaling and projecting climate variables over different climate regions in Iran. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
10	Summer monsoon rainfall variations and its association with atmospheric circulations over Sudan. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021 , 225, 105751	2	0
9	Review of construction labor productivity factors from a geographical standpoint. <i>International Journal of Construction Management</i> , 1-19	1.9	0

8	A Novel Stochastic Approach for Optimization of Diversion System Dimension by Considering Hydrological and Hydraulic Uncertainties. <i>Water Resources Management</i> , 2021 , 35, 3649-3677	3.7	o
7	Historical trends in crop water demand over semiarid region of Syria. <i>Theoretical and Applied Climatology</i> , 2021 , 146, 555-566	3	o
6	Determination of cotton and wheat yield using the standard precipitation evaporation index in Pakistan. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	o
5	Vegetation response to climate and climatic extremes in northwest Bangladesh: a quantile regression approach. <i>Theoretical and Applied Climatology</i> , 1	3	o
4	Relative performance of CMIP5 and CMIP6 models in simulating rainfall in Peninsular Malaysia. <i>Theoretical and Applied Climatology</i> , 1	3	o
3	GIS and Remote Sensing-Based Multi-Criteria Analysis for Delineation of Groundwater Potential Zones: A Case Study for Industrial Zones in Bangladesh. <i>Sustainability</i> , 2022 , 14, 6667	3.6	o
2	Comparison of a Hybrid Neural Network and Semi-distributed Simulator for Stream Flow Prediction 2016 , 115-127		
1	Assessing the skills of inter-sectoral impact model intercomparison project climate models for precipitation simulation in the Gongola Basin of Nigeria. <i>Scientific African</i> , 2021 , 13, e00921	1.7	