Shamsuddin Shahid

List of Publications by Year in Descending Order

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	Assessment of climate change impact on probable maximum floods in a tropical catchment. *Theoretical and Applied Climatology*, **2022**, 148, 15	3	0
294	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
293	Selection of the gridded temperature dataset for assessment of thermal bioclimatic environmental changes in Amu Darya River basin.. *Stochastic Environmental Research and Risk Assessment*, **2022**, 1-21	3.5	3
292	Spatiotemporal changes in water consumption structure of the Yellow River Basin, China. *Physics and Chemistry of the Earth*, **2022**, 103112	3	1
291	Assessing the spatial and temporal variations of terrestrial water storage of Iraq using GRACE satellite data and reliability□resiliency□vulnerability indicators. *Arabian Journal of Geosciences*, **2022**, 15, 1	1.8	1
290	Inconsistency in historical simulations and future projections of temperature and rainfall: A comparison of CMIP5 and CMIP6 models over Southeast Asia. *Atmospheric Research*, **2022**, 265, 105927	5.4	10
289	Changes in urbanization and urban heat island effect in Dhaka city. *Theoretical and Applied Climatology*, **2022**, 147, 891	3	1
288	Assessment of Water Resources Availability in Amu Darya River Basin Using GRACE Data. *Water (Switzerland)*, **2022**, 14, 533	3	2
287	Uncertainties in evapotranspiration projections associated with estimation methods and CMIP6 GCMs for South Korea.. *Science of the Total Environment*, **2022**, 825, 153953	10.2	2
286	Groundwater level prediction using machine learning models: A comprehensive review. *Neurocomputing*, **2022**, 489, 271-308	5.4	12
285	Projection of rainfall intensity-duration-frequency curves at ungauged location under climate change scenarios. *Sustainable Cities and Society*, **2022**, 83, 103951	10.1	1
284	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. *Sustainability*, **2022**, 14, 6620	3.6	1
283	GIS and Remote Sensing-Based Multi-Criteria Analysis for Delineation of Groundwater Potential Zones: A Case Study for Industrial Zones in Bangladesh. *Sustainability*, **2022**, 14, 6667	3.6	0
282	Estimating the Standardized Precipitation Evapotranspiration Index Using Data-Driven Techniques: A Regional Study of Bangladesh. *Water (Switzerland)*, **2022**, 14, 1764	3	1
281	Climatic zonation of Egypt based on high-resolution dataset using image clustering technique. *Progress in Earth and Planetary Science*, **2022**, 9,	3.9	2
280	Integration of catastrophe and entropy theories for flood risk mapping in peninsular Malaysia. *Journal of Flood Risk Management*, **2021**, 14, e12686	3.1	17
279	Dual Water Choices: The Assessment of the Influential Factors on Water Sources Choices Using Unsupervised Machine Learning Market Basket Analysis. *IEEE Access*, **2021**, 1-1	3.5	3

278	A new insight for real-time wastewater quality prediction using hybridized kernel-based extreme learning machines with advanced optimization algorithms. *Environmental Science and Pollution Research*, **2021**, 29, 20496	5.1	1
277	Spatiotemporal distribution of drought and its possible associations with ENSO indices in Bangladesh. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	6
276	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1585-1612	4.5	5
275	Prediction of Potential Evapotranspiration Using Temperature-Based Heuristic Approaches. *Sustainability*, **2021**, 13, 297	3.6	8
274	Predictability performance enhancement for suspended sediment in rivers: Inspection of newly developed hybrid adaptive neuro-fuzzy system model. *International Journal of Sediment Research*, **2021**, 37, 383-383	3	3
273	Application of ensemble machine learning model in downscaling and projecting climate variables over different climate regions in Iran. *Environmental Science and Pollution Research*, **2021**, 1	5.1	0
272	Summer monsoon rainfall variations and its association with atmospheric circulations over Sudan. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2021**, 225, 105751	2	0
271	Water resources response and prediction under climate change in Taoer River Basin, Northeast China. *Journal of Mountain Science*, **2021**, 18, 2635-2645	2.1	2
270	Future precipitation changes in Egypt under the 1.5 and 2.0 °C global warming goals using CMIP6 multimodel ensemble. *Atmospheric Research*, **2021**, 265, 105908	5.4	5
269	Drought Index Prediction Using Data Intelligent Analytic Models: A Review. *Springer Transactions in Civil and Environmental Engineering*, **2021**, 1-27	0.4	4
268	Empirical Model for the Assessment of Climate Change Impacts on Spatial Pattern of Water Availability in Nigeria. *Springer Transactions in Civil and Environmental Engineering*, **2021**, 405-427	0.4	1
267	Delineation of groundwater potential zones using a parsimonious concept based on catastrophe theory and analytical hierarchy process. *Hydrogeology Journal*, **2021**, 29, 1091-1116	3.1	5
266	Correcting bias of satellite rainfall data using physical empirical model. *Atmospheric Research*, **2021**, 251, 105430	5.4	6
265	Suspended Sediment Modeling Using a Heuristic Regression Method Hybridized with Kmeans Clustering. *Sustainability*, **2021**, 13, 4648	3.6	5
264	The development of evolutionary computing model for simulating reference evapotranspiration over Peninsular Malaysia. *Theoretical and Applied Climatology*, **2021**, 144, 1419-1434	3	7
263	Analysis of historical drought and flood characteristics of Hengshui during the period 1649–2018: a typical city in North China. *Natural Hazards*, **2021**, 108, 2081-2099	3	1
262	Projection of Water Availability and Sustainability in Nigeria Due to Climate Change. *Sustainability*, **2021**, 13, 6284	3.6	3
261	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. *Atmospheric Research*, **2021**, 254, 105525	5.4	21

260	Spatio-temporal Investigations of Monsoon Precipitation and Its Historical and Future Trend over Sudan. *Earth Systems and Environment*, **2021**, 5, 519-529	7.5	1
259	Performance evaluation of reanalysis precipitation products in Egypt using fuzzy entropy time series similarity analysis. *International Journal of Climatology*, **2021**, 41, 5431-5446	3.5	11
258	Comparative implementation between neuro-emotional genetic algorithm and novel ensemble computing techniques for modelling dissolved oxygen concentration. *Hydrological Sciences Journal*, **2021**, 66, 1584-1596	3.5	7
257	River water level prediction in coastal catchment using hybridized relevance vector machine model with improved grasshopper optimization. *Journal of Hydrology*, **2021**, 598, 126477	6	13
256	Integration of complete ensemble empirical mode decomposition with deep long short-term memory model for particulate matter concentration prediction. *Environmental Science and Pollution Research*, **2021**, 28, 64818-64829	5.1	2
255	Rice yield responses in Bangladesh to large-scale atmospheric oscillation using multifactorial model. *Theoretical and Applied Climatology*, **2021**, 146, 29-44	3	1
254	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
253	Defining climate zone of Borneo based on cluster analysis. *Theoretical and Applied Climatology*, **2021**, 145, 1467-1484	3	1
252	Inhomogeneity detection in the precipitation series: case of arid province of Pakistan. *Environment, Development and Sustainability*, **2021**, 23, 7176-7192	4.5	4
251	Prediction of dissolved oxygen, biochemical oxygen demand, and chemical oxygen demand using hydrometeorological variables: case study of Selangor River, Malaysia. *Environment, Development and Sustainability*, **2021**, 23, 8027-8046	4.5	6
250	Evaluating intensity-duration-frequency (IDF) curves of satellite-based precipitation datasets in Peninsular Malaysia. *Atmospheric Research*, **2021**, 248, 105203	5.4	10
249	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. *Energy Reports*, **2021**, 7, 136-157	4.6	24
248	A novel simulation–optimization strategy for stochastic-based designing of flood control dam: A case study of Jamishan dam. *Journal of Flood Risk Management*, **2021**, 14, e12678	3.1	6
247	Advances in CMIP6 INM-CM5 over CMIP5 INM-CM4 for precipitation simulation in South Korea. *Atmospheric Research*, **2021**, 247, 105261	5.4	20
246	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. *Engineering Applications of Computational Fluid Mechanics*, **2021**, 15, 1075-1094	4.5	14
245	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. *Scientific Reports*, **2021**, 11, 3435	4.9	16
244	A new hybrid model based on relevance vector machine with flower pollination algorithm for phycocyanin pigment concentration estimation. *Environmental Science and Pollution Research*, **2021**, 28, 32564	5.1	4
243	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. *Theoretical and Applied Climatology*, **2021**, 144, 793-808	3	27

242	Estimation of Spatial and Seasonal Variability of Soil Erosion in a Cold Arid River Basin in Hindu Kush Mountainous Region Using Remote Sensing. *Sustainability*, **2021**, 13, 1549	3.6	2
241	Prediction of meteorological drought by using hybrid support vector regression optimized with HHO versus PSO algorithms. *Environmental Science and Pollution Research*, **2021**, 28, 39139-39158	5.1	23
240	Ranking of gridded precipitation datasets by merging compromise programming and global performance index: a case study of the Amu Darya basin. *Theoretical and Applied Climatology*, **2021**, 144, 985-999	3	4
239	Geographically Weighted Regression Hybridized with Kriging Model for Delineation of Drought-Prone Areas. *Environmental Modeling and Assessment*, **2021**, 26, 803-821	2	2
238	A Novel Stochastic Approach for Optimization of Diversion System Dimension by Considering Hydrological and Hydraulic Uncertainties. *Water Resources Management*, **2021**, 35, 3649-3677	3.7	0
237	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
236	Appraising the historical and projected spatiotemporal changes in the heat index in Bangladesh. *Theoretical and Applied Climatology*, **2021**, 146, 1-14	3	1
235	Spatiotemporal changes in rainfall and droughts of Bangladesh for1.5 and 2 ℃ temperature rise scenarios of CMIP6 models. *Theoretical and Applied Climatology*, **2021**, 146, 527-542	3	4
234	Historical trends in crop water demand over semiarid region of Syria. *Theoretical and Applied Climatology*, **2021**, 146, 555-566	3	0
233	Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model. *Chemosphere*, **2021**, 276, 130162	8.4	14
232	Spatiotemporal variability of rainfall trends and influencing factors in Rwanda. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2021**, 219, 105631	2	7
231	Determination of cotton and wheat yield using the standard precipitation evaporation index in Pakistan. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	0
230	Assessing the skills of inter-sectoral impact model intercomparison project climate models for precipitation simulation in the Gongola Basin of Nigeria. *Scientific African*, **2021**, 13, e00921	1.7	
229	Identification of NO2 and SO2 Pollution Hotspots and Sources in Jiangsu Province of China. *Remote Sensing*, **2021**, 13, 3742	5	5
228	Improving streamflow prediction using a new hybrid ELM model combined with hybrid particle swarm optimization and grey wolf optimization. *Knowledge-Based Systems*, **2021**, 230, 107379	7.3	34
227	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
226	Prediction of heat waves over Pakistan using support vector machine algorithm in the context of climate change. *Stochastic Environmental Research and Risk Assessment*, **2021**, 35, 1335	3.5	2
225	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. *Agriculture (Switzerland)*, **2021**, 11, 1288	3	8

224	An optimized baseflow separation method for assessment of seasonal and spatial variability of baseflow and the driving factors. *Journal of Chinese Geography*, **2021**, 31, 1873-1894	3.7	2
223	Volatility in Rainfall and Predictability of Droughts in Northwest Bangladesh. *Sustainability*, **2020**, 12, 9810	3.6	1
222	Quantification and uncertainty of the impact of climate change on river discharge and sediment yield in the Dehbar river basin in Iran. *Journal of Soils and Sediments*, **2020**, 20, 2977-2996	3.4	12
221	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. *Atmospheric Research*, **2020**, 245, 105061	5.4	11
220	GCM selection and temperature projection of Nigeria under different RCPs of the CMIP5 GCMS. *Theoretical and Applied Climatology*, **2020**, 141, 1611-1627	3	15
219	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. *Scientific Reports*, **2020**, 10, 10107	4.9	34
218	High-Resolution Climate Projections for a Densely Populated Mediterranean Region. *Sustainability*, **2020**, 12, 3684	3.6	8
217	Changes in reference evapotranspiration and its driving factors in peninsular Malaysia. *Atmospheric Research*, **2020**, 246, 105096	5.4	29
216	Prediction of droughts over Pakistan using machine learning algorithms. *Advances in Water Resources*, **2020**, 139, 103562	4.7	68
215	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. *Hydrological Sciences Journal*, **2020**, 65, 1145-1157	3.5	16
214	Modelling labour productivity using SVM and RF: a comparative study on classifiers performance. *International Journal of Construction Management*, **2020**, 1-11	1.9	7
213	Spatiotemporal changes in precipitation indicators related to bioclimate in Iran. *Theoretical and Applied Climatology*, **2020**, 141, 99-115	3	11
212	A non-local model output statistics approach for the downscaling of CMIP5 GCMs for the projection of rainfall in Peninsular Malaysia. *Journal of Water and Climate Change*, **2020**, 11, 944-955	2.3	7
211	Optimizing Height and Spacing of Check Dam Systems for Better Grassed Channel Infiltration Capacity. *Applied Sciences (Switzerland)*, **2020**, 10, 3725	2.6	3
210	Low impact development techniques to mitigate the impacts of climate-change-induced urban floods: Current trends, issues and challenges. *Sustainable Cities and Society*, **2020**, 62, 102373	10.1	72
209	Evaluating severity–area–frequency (SAF) of seasonal droughts in Bangladesh under climate change scenarios. *Stochastic Environmental Research and Risk Assessment*, **2020**, 34, 447-464	3.5	29
208	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. *Water Resources Management*, **2020**, 34, 1075-1091	3.7	32
207	A Newly Developed Integrative Bio-Inspired Artificial Intelligence Model for Wind Speed Prediction. *IEEE Access*, **2020**, 8, 83347-83358	3.5	14

206	Changes in Climatic Water Availability and Crop Water Demand for Iraq Region. *Sustainability*, **2020**, 12, 3437	3.6	24
205	Evaluation of remotely sensed precipitation sources for drought assessment in Semi-Arid Iraq. *Atmospheric Research*, **2020**, 242, 105007	5.4	21
204	Prediction of evaporation in arid and semi-arid regions: a comparative study using different machine learning models. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 70-89	4.5	32
203	Spatial assessment of meteorological drought features over different climate regions in Iran. *International Journal of Climatology*, **2020**, 40, 1864-1884	3.5	50
202	A novel framework for selecting general circulation models based on the spatial patterns of climate. *International Journal of Climatology*, **2020**, 40, 4422-4443	3.5	21
201	Precipitation projection using a CMIP5 GCM ensemble model: a regional investigation of Syria. *Engineering Applications of Computational Fluid Mechanics*, **2020**, 14, 90-106	4.5	59
200	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. *Atmospheric Research*, **2020**, 236, 104806	5.4	49
199	Performance of five high resolution satellite-based precipitation products in arid region of Egypt: An evaluation. *Atmospheric Research*, **2020**, 236, 104809	5.4	19
198	Quantitative assessment of precipitation changes under CMIP5 RCP scenarios over the northern sub-Himalayan region of Pakistan. *Environment, Development and Sustainability*, **2020**, 22, 7831-7845	4.5	8
197	Assessing the Uncertainty Associated with Flood Features due to Variability of Rainfall and Hydrological Parameters. *Advances in Civil Engineering*, **2020**, 2020, 1-9	1.3	8
196	Selection of CMIP5 general circulation model outputs of precipitation for peninsular Malaysia **2020**, 51, 781-798		16
195	Multi-variable model output statistics downscaling for the projection of spatio-temporal changes in rainfall of Borneo Island. *Journal of Hydro-Environment Research*, **2020**, 31, 62-75	2.3	4
194	Trends and Variabilities of Thunderstorm Days over Bangladesh on the ENSO and IOD Timescales. *Atmosphere*, **2020**, 11, 1176	2.7	7
193	An Integrated Method for Identifying Present Status and Risk of Drought in Bangladesh. *Remote Sensing*, **2020**, 12, 2686	5	5
192	Spatiotemporal changes in precipitation extremes in the arid province of Pakistan with removal of the influence of natural climate variability. *Theoretical and Applied Climatology*, **2020**, 142, 1447-1462	3	9
191	Precipitation and runoff variation characteristics in typical regions of North China Plain: a case study of Hengshui City. *Theoretical and Applied Climatology*, **2020**, 142, 971-985	3	5
190	Changes in monsoon rainfall distribution of Bangladesh using quantile regression model. *Theoretical and Applied Climatology*, **2020**, 142, 1329-1342	3	8
189	Assessment of changing pattern of crop water stress in Bangladesh. *Environment, Development and Sustainability*, **2020**, 22, 4619-4637	4.5	17

188	Spatiotemporal changes in aridity and the shift of drylands in Iran. *Atmospheric Research*, **2020**, 233, 104704	5.4	36
187	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. *Atmospheric Research*, **2020**, 233, 104688	5.4	24
186	Physical-empirical models for prediction of seasonal rainfall extremes of Peninsular Malaysia. *Atmospheric Research*, **2020**, 233, 104720	5.4	33
185	Challenges in water resources of Lagos mega city of Nigeria in the context of climate change. *Journal of Water and Climate Change*, **2020**, 11, 1067-1083	2.3	19
184	Selection of general circulation models for the projections of spatio-temporal changes in temperature of Borneo Island based on CMIP5. *Theoretical and Applied Climatology*, **2020**, 139, 351-371	3	24
183	Divergence of potential evapotranspiration trends over Pakistan during 1967–2016. *Theoretical and Applied Climatology*, **2020**, 141, 215-227	3	7
182	Evaluation of Empirical Reference Evapotranspiration Models Using Compromise Programming: A Case Study of Peninsular Malaysia. *Sustainability*, **2019**, 11, 4267	3.6	44
181	Identifying factors and mitigation measures of safety practices for sustainable building construction. *IOP Conference Series: Earth and Environmental Science*, **2019**, 294, 012041	0.3	2
180	Implementation of evolutionary computing models for reference evapotranspiration modeling: short review, assessment and possible future research directions. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 811-823	4.5	36
179	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. *Earth Systems and Environment*, **2019**, 3, 381-398	7.5	10
178	Prediction of heat waves in Pakistan using quantile regression forests. *Atmospheric Research*, **2019**, 221, 1-11	5.4	49
177	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. *Water (Switzerland)*, **2019**, 11, 210	3	54
176	Characteristics of Annual and Seasonal Trends of Rainfall and Temperature in Iraq. *Asia-Pacific Journal of Atmospheric Sciences*, **2019**, 55, 429-438	2.1	13
175	Construction labour productivity: review of factors identified. *International Journal of Construction Management*, **2019**, 1-13	1.9	14
174	. *IEEE Access*, **2019**, 7, 74471-74481	3.5	55
173	Copula based assessment of meteorological drought characteristics: Regional investigation of Iran. *Agricultural and Forest Meteorology*, **2019**, 276-277, 107611	5.8	50
172	An empirical study of construction and demolition waste generation and implication of recycling. *Waste Management*, **2019**, 95, 10-21	8.6	92
171	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. *Water (Switzerland)*, **2019**, 11, 1096	3	65

170	Selection of CMIP5 multi-model ensemble for the projection of spatial and temporal variability of rainfall in peninsular Malaysia. *Theoretical and Applied Climatology*, **2019**, 138, 999-1012	3	28
169	Spatial Pattern of the Unidirectional Trends in Thermal Bioclimatic Indicators in Iran. *Sustainability*, **2019**, 11, 2287	3.6	33
168	Assessment of Satellite-Based Precipitation Measurement Products over the Hot Desert Climate of Egypt. *Remote Sensing*, **2019**, 11, 555	5	41
167	Long Term Historic Changes in the Flow of Lesser Zab River, Iraq. *Hydrology*, **2019**, 6, 22	2.8	14
166	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. *Water (Switzerland)*, **2019**, 11, 502	3	56
165	Pros and cons of using wavelets in conjunction with genetic programming and generalised linear models in statistical downscaling of precipitation. *Theoretical and Applied Climatology*, **2019**, 138, 617-638	3	12
164	A MCDM-based framework for selection of general circulation models and projection of spatio-temporal rainfall changes: A case study of Nigeria. *Atmospheric Research*, **2019**, 225, 1-16	5.4	47
163	Fidelity assessment of general circulation model simulated precipitation and temperature over Pakistan using a feature selection method. *Journal of Hydrology*, **2019**, 573, 281-298	6	48
162	Changing characteristics of meteorological droughts in Nigeria during 1901–2010. *Atmospheric Research*, **2019**, 223, 60-73	5.4	56
161	Evaluation of spatio-temporal rainfall variability and performance of a stochastic rainfall model in Bangladesh. *International Journal of Climatology*, **2019**, 39, 4256-4273	3.5	16
160	Spatial distribution of secular trends in rainfall indices of Peninsular Malaysia in the presence of long-term persistence. *Meteorological Applications*, **2019**, 26, 655-670	2.1	48
159	The potential of novel data mining models for global solar radiation prediction. *International Journal of Environmental Science and Technology*, **2019**, 16, 7147-7164	3.3	45
158	Parametric Assessment of Seasonal Drought Risk to Crop Production in Bangladesh. *Sustainability*, **2019**, 11, 1442	3.6	31
157	Uncertainty in Estimated Trends Using Gridded Rainfall Data: A Case Study of Bangladesh. *Water (Switzerland)*, **2019**, 11, 349	3	35
156	Open Channel Sluice Gate Scouring Parameters Prediction: Different Scenarios of Dimensional and Non-Dimensional Input Parameters. *Water (Switzerland)*, **2019**, 11, 353	3	21
155	Spatial distribution of unidirectional trends in temperature and temperature extremes in Pakistan. *Theoretical and Applied Climatology*, **2019**, 136, 899-913	3	69
154	Unidirectional trends in annual and seasonal climate and extremes in Egypt. *Theoretical and Applied Climatology*, **2019**, 136, 457-473	3	55
153	Viability of the advanced adaptive neuro-fuzzy inference system model on reservoir evaporation process simulation: case study of Nasser Lake in Egypt. *Engineering Applications of Computational Fluid Mechanics*, **2019**, 13, 878-891	4.5	30

152	The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016. *Hydrogeology Journal*, **2019**, 27, 2485-2496	3.1	12
151	Development of high-resolution daily gridded temperature datasets for the central north region of Egypt. *Scientific Data*, **2019**, 6, 138	8.2	22
150	Spatiotemporal changes in aridity of Pakistan during 1901–2016. *Hydrology and Earth System Sciences*, **2019**, 23, 3081-3096	5.5	34
149	Symmetrical uncertainty and random forest for the evaluation of gridded precipitation and temperature data. *Atmospheric Research*, **2019**, 230, 104632	5.4	40
148	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. *Sustainability*, **2019**, 11, 5836	3.6	27
147	Influence of Surface Water Bodies on the Land Surface Temperature of Bangladesh. *Sustainability*, **2019**, 11, 6754	3.6	13
146	Selection of multi-model ensemble of general circulation models for the simulation of precipitation and maximum and minimum temperature based on spatial assessment metrics. *Hydrology and Earth System Sciences*, **2019**, 23, 4803-4824	5.5	58
145	Spatial Shift of Aridity and Its Impact on Land Use of Syria. *Sustainability*, **2019**, 11, 7047	3.6	7
144	Development of multi-model ensemble for projection of extreme rainfall events in Peninsular Malaysia **2019**, 50, 1772-1788		22
143	Trends in heat wave related indices in Pakistan. *Stochastic Environmental Research and Risk Assessment*, **2019**, 33, 287-302	3.5	53
142	Climate change and crop farming in Bangladesh: an analysis of economic impacts. *International Journal of Climate Change Strategies and Management*, **2019**, 11, 424-440	3.9	31
141	Determination of biochemical oxygen demand and dissolved oxygen for semi-arid river environment: application of soft computing models. *Environmental Science and Pollution Research*, **2019**, 26, 923-937	5.1	18
140	Simulation of nitrate transport and fate in groundwater in presence of kaolin. *Journal of Soils and Water Conservation*, **2019**, 74, 67-76	2.2	4
139	Spatial distribution of the trends in precipitation and precipitation extremes in the sub-Himalayan region of Pakistan. *Theoretical and Applied Climatology*, **2019**, 137, 2755-2769	3	36
138	Climate change uncertainties in seasonal drought severity-area-frequency curves: Case of arid region of Pakistan. *Journal of Hydrology*, **2019**, 570, 473-485	6	36
137	Modeling climate change impacts on precipitation in arid regions of Pakistan: a non-local model output statistics downscaling approach. *Theoretical and Applied Climatology*, **2019**, 137, 1347-1364	3	30
136	Spatial distribution of unidirectional trends in climate and weather extremes in Nile river basin. *Theoretical and Applied Climatology*, **2019**, 137, 1181-1199	3	40
135	A review on green economy and development of green roads and highways using carbon neutral materials. *Renewable and Sustainable Energy Reviews*, **2019**, 101, 600-613	16.2	21

134	Selection of gridded precipitation data for Iraq using compromise programming. *Measurement: Journal of the International Measurement Confederation*, **2019**, 132, 87-98	4.6	55
133	Trends analysis of rainfall and rainfall extremes in Sarawak, Malaysia using modified Mann-Kendall test. *Meteorology and Atmospheric Physics*, **2019**, 131, 263-277	2	71
132	Water use and demand forecasting model for coal-fired power generation plant in China. *Environment, Development and Sustainability*, **2019**, 21, 1675-1693	4.5	2
131	Unidirectional trends in daily rainfall extremes of Iraq. *Theoretical and Applied Climatology*, **2018**, 134, 1165-1177	3	29
130	Impact of landuse on groundwater quality of Bangladesh. *Sustainable Water Resources Management* , **2018**, 4, 1031-1036	1.9	11
129	Changing Pattern of Droughts during Cropping Seasons of Bangladesh. *Water Resources Management*, **2018**, 32, 1555-1568	3.7	57
128	The new concept of water resources management in China: ensuring water security in changing environment. *Environment, Development and Sustainability*, **2018**, 20, 897-909	4.5	29
127	Modeling domestic water demand in Huaihe River Basin of China under climate change and population dynamics. *Environment, Development and Sustainability*, **2018**, 20, 911-924	4.5	8
126	Forecasting industrial water demand in Huaihe River Basin due to environmental changes. *Mitigation and Adaptation Strategies for Global Change*, **2018**, 23, 469-483	3.9	8
125	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. *Atmospheric Research*, **2018**, 213, 509-522	5.4	78
124	Parametric Assessment of Pre-Monsoon Agricultural Water Scarcity in Bangladesh. *Sustainability*, **2018**, 10, 819	3.6	16
123	Trend Analysis of Droughts during Crop Growing Seasons of Nigeria. *Sustainability*, **2018**, 10, 871	3.6	72
122	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. *Sustainability*, **2018**, 10, 2182	3.6	31
121	Impacts of climate change on groundwater level and irrigation cost in a groundwater dependent irrigated region. *Agricultural Water Management*, **2018**, 208, 33-42	5.9	35
120	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. *Atmospheric Research*, **2018**, 214, 364-374	5.4	99
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