Shamsuddin Shahid

List of Publications by Year
in descending order

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308 papers	12,900 citations	19657 61 h-index	45317 90 g-index
315 all docs	315 docs citations	315 times ranked	6770 citing authors

#	Article	IF	Citations
1	Drought risk assessment in the western part of Bangladesh. Natural Hazards, 2008, 46, 391-413.	3.4	373
2	Impact of climate change on irrigation water demand of dry season Boro rice in northwest Bangladesh. Climatic Change, 2011, 105, 433-453.	3.6	234
3	Rainfall variability and the trends of wet and dry periods in Bangladesh. International Journal of Climatology, 2010, 30, 2299-2313.	3.5	209
4	An empirical study of construction and demolition waste generation and implication of recycling. Waste Management, 2019, 95, 10-21.	7.4	202
5	Trends in extreme rainfall events of Bangladesh. Theoretical and Applied Climatology, 2011, 104, 489-499.	2.8	201
6	Statistical downscaling of precipitation using machine learning techniques. Atmospheric Research, 2018, 212, 240-258.	4.1	188
7	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.	10.4	181
8	Adaptation to climate change impacts on water demand. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 81-99.	2.1	177
9	Groundwater Drought in the Northwestern Districts of Bangladesh. Water Resources Management, 2010, 24, 1989-2006.	3.9	176
10	Recent trends in the climate of Bangladesh. Climate Research, 2010, 42, 185-193.	1.1	149
11	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. Atmospheric Research, 2018, 214, 364-374.	4.1	146
12	Trends analysis of rainfall and rainfall extremes in Sarawak, Malaysia using modified Mannâ€“Kendall test. Meteorology and Atmospheric Physics, 2019, 131, 263-277.	2.0	145
13	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.	4.9	142
14	Prediction of droughts over Pakistan using machine learning algorithms. Advances in Water Resources, 2020, 139, 103562.	3.8	140
15	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. Atmospheric Research, 2018, 213, 509-522.	4.1	136
16	Model output statistics downscaling using support vector machine for the projection of spatial and temporal changes in rainfall of Bangladesh. Atmospheric Research, 2018, 213, 149-162.	4.1	134
17	Quantifying hourly suspended sediment load using data mining models: Case study of a glacierized Andean catchment in Chile. Journal of Hydrology, 2018, 567, 165-179.	5.4	133
18	Long-term trends in daily temperature extremes in Iraq. Atmospheric Research, 2017, 198, 97-107.	4.1	128

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19	Changes in diurnal temperature range in Bangladesh during the time period 1961â€“2008. Atmospheric Research, 2012, 118, 260-270.	4.1	119
20	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. Atmospheric Research, 2020, 236, 104806.	4.1	117
21	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.	7.1	117
22	Spatial and temporal characteristics of droughts in the western part of Bangladesh. Hydrological Processes, 2008, 22, 2235-2247.	2.6	116
23	Groundwater level prediction using machine learning models: A comprehensive review. Neurocomputing, 2022, 489, 271-308.	5.9	115
24	Trends in rainfall and rainfall-related extremes in the east coast of peninsular Malaysia. Journal of Earth System Science, 2015, 124, 1609-1622.	1.3	112
25	Climate variability and changes in the major cities of Bangladesh: observations, possible impacts and adaptation. Regional Environmental Change, 2016, 16, 459-471.	2.9	111
26	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. Water (Switzerland), 2019, 11, 1096.	2.7	110
27	Spatial distribution of unidirectional trends in temperature and temperature extremes in Pakistan. Theoretical and Applied Climatology, 2019, 136, 899-913.	2.8	109
28	Performance Assessment of General Circulation Model in Simulating Daily Precipitation and Temperature Using Multiple Gridded Datasets. Water (Switzerland), 2018, 10, 1793.	2.7	104
29	Precipitation projection using a CMIP5 GCM ensemble model: a regional investigation of Syria. Engineering Applications of Computational Fluid Mechanics, 2020, 14, 90-106.	3.1	104
30	Trend Analysis of Droughts during Crop Growing Seasons of Nigeria. Sustainability, 2018, 10, 871.	3.2	102
31	Unidirectional trends in annual and seasonal climate and extremes in Egypt. Theoretical and Applied Climatology, 2019, 136, 457-473.	2.8	97
32	Changing Pattern of Droughts during Cropping Seasons of Bangladesh. Water Resources Management, 2018, 32, 1555-1568.	3.9	93
33	Trends in heat wave related indices in Pakistan. Stochastic Environmental Research and Risk Assessment, 2019, 33, 287-302.	4.0	92
34	Changing characteristics of meteorological droughts in Nigeria during 1901â€“2010. Atmospheric Research, 2019, 223, 60-73.	4.1	91
35	Characterization of seasonal droughts in Balochistan Province, Pakistan. Stochastic Environmental Research and Risk Assessment, 2016, 30, 747-762.	4.0	90
36	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. Water (Switzerland), 2019, 11, 210.	2.7	88

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37	Water resources management strategy for adaptation to droughts in China. Mitigation and Adaptation Strategies for Global Change, 2012, 17, 923-937.	2.1	87
38	Analysis of Meteorological Drought Pattern During Different Climatic and Cropping Seasons in Bangladesh. Journal of the American Water Resources Association, 2015, 51, 794-806.	2.4	86
39	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. Atmospheric Research, 2021, 254, 105525.	4.1	85
40	The potential of novel data mining models for global solar radiation prediction. International Journal of Environmental Science and Technology, 2019, 16, 7147-7164.	3.5	81
41	Selection of gridded precipitation data for Iraq using compromise programming. Measurement: Journal of the International Measurement Confederation, 2019, 132, 87-98.	5.0	81
42	Spatial distribution of secular trends in annual and seasonal precipitation over Pakistan. Climate Research, 2017, 74, 95-107.	1.1	81
43	Copula based assessment of meteorological drought characteristics: Regional investigation of Iran. Agricultural and Forest Meteorology, 2019, 276-277, 107611.	4.8	79
44	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. Water (Switzerland), 2019, 11, 502.	2.7	78
45	Spatial assessment of meteorological drought features over different climate regions in Iran. International Journal of Climatology, 2020, 40, 1864-1884.	3.5	78
46	Fidelity assessment of general circulation model simulated precipitation and temperature over Pakistan using a feature selection method. Journal of Hydrology, 2019, 573, 281-298.	5.4	77
47	Complementary data-intelligence model for river flow simulation. Journal of Hydrology, 2018, 567, 180-190.	5.4	76
48	Implementation of Univariate Paradigm for Streamflow Simulation Using Hybrid Data-Driven Model: Case Study in Tropical Region. IEEE Access, 2019, 7, 74471-74481.	4.2	76
49	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.	4.1	76
50	Genetic Programming for the Downscaling of Extreme Rainfall Events on the East Coast of Peninsular Malaysia. Atmosphere, 2014, 5, 914-936.	2.3	75
51	Projection of spatial and temporal changes of rainfall in Sarawak of Borneo Island using statistical downscaling of CMIP5 models. Atmospheric Research, 2017, 197, 446-460.	4.1	75
52	Prediction of heat waves in Pakistan using quantile regression forests. Atmospheric Research, 2019, 221, 1-11.	4.1	74
53	Assessment of Satellite-Based Precipitation Measurement Products over the Hot Desert Climate of Egypt. Remote Sensing, 2019, 11, 555.	4.0	74
54	Assessment of groundwater potential zones in an arid region based on catastrophe theory. Earth Science Informatics, 2015, 8, 539-549.	3.2	73

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55	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.	4.1	73
56	Probable Impacts of Climate Change on Public Health in Bangladesh. Asia-Pacific Journal of Public Health, 2010, 22, 310-319.	1.0	72
57	Evaluation of Empirical Reference Evapotranspiration Models Using Compromise Programming: A Case Study of Peninsular Malaysia. Sustainability, 2019, 11, 4267.	3.2	72
58	Spatiotemporal changes in aridity of Pakistan during 1901â€“2016. Hydrology and Earth System Sciences, 2019, 23, 3081-3096.	4.9	68
59	Spatiotemporal nexus between vegetation change and extreme climatic indices and their possible causes of change. Journal of Environmental Management, 2021, 289, 112505.	7.8	68
60	Climate change uncertainties in seasonal drought severity-area-frequency curves: Case of arid region of Pakistan. Journal of Hydrology, 2019, 570, 473-485.	5.4	66
61	Spatial distribution of unidirectional trends in climate and weather extremes in Nile river basin. Theoretical and Applied Climatology, 2019, 137, 1181-1199.	2.8	66
62	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.	5.3	66
63	Gini coefficient to assess equity in domestic water supply in the Yellow River. Mitigation and Adaptation Strategies for Global Change, 2012, 17, 65-75.	2.1	65
64	Spatial distribution of secular trends in rainfall indices of Peninsular Malaysia in the presence of longâ€term persistence. Meteorological Applications, 2019, 26, 655-670.	2.1	65
65	Changes in reference evapotranspiration and its driving factors in peninsular Malaysia. Atmospheric Research, 2020, 246, 105096.	4.1	65
66	The Integration of Nature-Inspired Algorithms with Least Square Support Vector Regression Models: Application to Modeling River Dissolved Oxygen Concentration. Water (Switzerland), 2018, 10, 1124.	2.7	64
67	Impacts and adaptation to climate change in Malaysian real estate. International Journal of Climate Change Strategies and Management, 2017, 9, 87-103.	2.9	63
68	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. Scientific Reports, 2020, 10, 10107.	3.3	63
69	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. Theoretical and Applied Climatology, 2021, 144, 793-808.	2.8	63
70	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.	2.8	63
71	Catastrophe theory to assess water security and adaptation strategy in the context of environmental change. Mitigation and Adaptation Strategies for Global Change, 2014, 19, 463-477.	2.1	62
72	Climate change and crop farming in Bangladesh: an analysis of economic impacts. International Journal of Climate Change Strategies and Management, 2019, 11, 424-440.	2.9	62

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73	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. Energy Reports, 2021, 7, 136-157.	5.1	62
74	Multilayer perceptron neural network for downscaling rainfall in arid region: A case study of Baluchistan, Pakistan. Journal of Earth System Science, 2015, 124, 1325-1341.	1.3	60
75	Uncertainty in Estimated Trends Using Gridded Rainfall Data: A Case Study of Bangladesh. Water (Switzerland), 2019, 11, 349.	2.7	60
76	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	60
77	Spatiotemporal changes in aridity and the shift of drylands in Iran. Atmospheric Research, 2020, 233, 104704.	4.1	58
78	Evaluating severityâ€“areaâ€“frequency (SAF) of seasonal droughts in Bangladesh under climate change scenarios. Stochastic Environmental Research and Risk Assessment, 2020, 34, 447-464.	4.0	58
79	Impacts of climate change on groundwater level and irrigation cost in a groundwater dependent irrigated region. Agricultural Water Management, 2018, 208, 33-42.	5.6	57
80	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.	2.8	57
81	Vulnerability of the power sector of Bangladesh to climate change and extreme weather events. Regional Environmental Change, 2012, 12, 595-606.	2.9	56
82	A comparison between index of entropy and catastrophe theory methods for mapping groundwater potential in an arid region. Environmental Monitoring and Assessment, 2015, 187, 576.	2.7	56
83	Uncertainty in Rainfall Intensity Duration Frequency Curves of Peninsular Malaysia under Changing Climate Scenarios. Water (Switzerland), 2018, 10, 1750.	2.7	56
84	Symmetrical uncertainty and random forest for the evaluation of gridded precipitation and temperature data. Atmospheric Research, 2019, 230, 104632.	4.1	56
85	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. Atmospheric Research, 2020, 233, 104688.	4.1	56
86	Advances in CMIP6 INM-CM5 over CMIP5 INM-CM4 for precipitation simulation in South Korea. Atmospheric Research, 2021, 247, 105261.	4.1	56
87	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.	3.1	54
88	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.	16.4	53
89	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. Water Resources Management, 2020, 34, 1075-1091.	3.9	53
90	Spatial Pattern of the Unidirectional Trends in Thermal Bioclimatic Indicators in Iran. Sustainability, 2019, 11, 2287.	3.2	52

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91	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. Scientific Reports, 2021, 11, 3435.	3.3	52
92	Physical-empirical models for prediction of seasonal rainfall extremes of Peninsular Malaysia. Atmospheric Research, 2020, 233, 104720.	4.1	51
93	Distributional changes in rainfall and river flow in Sarawak, Malaysia. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 489-500.	2.3	50
94	Assessment of drought risk index using drought hazard and vulnerability indices. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	48
95	Parametric Assessment of Seasonal Drought Risk to Crop Production in Bangladesh. Sustainability, 2019, 11, 1442.	3.2	48
96	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.	2.8	47
97	Changes in Climatic Water Availability and Crop Water Demand for Iraq Region. Sustainability, 2020, 12, 3437.	3.2	47
98	Spatiotemporal differences and uncertainties in projections of precipitation and temperature in South Korea from <scp>CMIP6</scp> and <scp>CMIP5</scp> general circulation model<scp>s</scp>. International Journal of Climatology, 2021, 41, 5899-5919.	3.5	47
99	Impact of climate change on regional irrigation water demand in Baojixia irrigation district of China. Mitigation and Adaptation Strategies for Global Change, 2016, 21, 233-247.	2.1	46
100	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.	2.8	45
101	Performance of five high resolution satellite-based precipitation products in arid region of Egypt: An evaluation. Atmospheric Research, 2020, 236, 104809.	4.1	45
102	Interâ€comparison of historical simulation and future projections of rainfall and temperature by CMIP5 and CMIP6 GCMs over Egypt. International Journal of Climatology, 2022, 42, 4316-4332.	3.5	45
103	Spatial assessment of groundwater over-exploitation in northwestern districts of Bangladesh. Journal of the Geological Society of India, 2015, 85, 463-470.	1.1	44
104	The new concept of water resources management in China: ensuring water security in changing environment. Environment, Development and Sustainability, 2018, 20, 897-909.	5.0	44
105	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.	3.1	44
106	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. Sustainability, 2019, 11, 5836.	3.2	43
107	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.	3.0	43
108	Climate change and water resources management in Tuwei river basin of Northwest China. Mitigation and Adaptation Strategies for Global Change, 2014, 19, 107-120.	2.1	42

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109	A GIS-based integration of catastrophe theory and analytical hierarchy process for mapping flood susceptibility: a case study of Teeb area, Southern Iraq. Environmental Earth Sciences, 2016, 75, 1.	2.7	42
110	Unidirectional trends in daily rainfall extremes of Iraq. Theoretical and Applied Climatology, 2018, 134, 1165-1177.	2.8	42
111	GIS Integration of Remote Sensing and Topographic Data Using Fuzzy Logic for Ground Water Assessment in Midnapur District, India. Geocarto International, 2002, 17, 69-74.	3.5	41
112	Spatial interpolation of climatic variables in a predominantly arid region with complex topography. Environment Systems and Decisions, 2014, 34, 555-563.	3.4	41
113	Improving the Muskingum Flood Routing Method Using a Hybrid of Particle Swarm Optimization and Bat Algorithm. Water (Switzerland), 2018, 10, 807.	2.7	41
114	GCM selection and temperature projection of Nigeria under different RCPs of the CMIP5 GCMS. Theoretical and Applied Climatology, 2020, 141, 1611-1627.	2.8	41
115	Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model. Chemosphere, 2021, 276, 130162.	8.2	41
116	Development of new machine learning model for streamflow prediction: case studies in Pakistan. Stochastic Environmental Research and Risk Assessment, 2022, 36, 999-1033.	4.0	41
117	Historic water consumptions and future management strategies for Haihe River basin of Northern China. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 371-387.	2.1	40
118	A GIS-Based Integrated Fuzzy Logic and Analytic Hierarchy Process Model for Assessing Water-Harvesting Zones in Northeastern Maysan Governorate, Iraq. Arabian Journal for Science and Engineering, 2017, 42, 2487-2499.	3.0	40
119	Modeling water quality and hydrological variables using ARIMA: a case study of Johor River, Malaysia. Sustainable Water Resources Management, 2018, 4, 991-998.	2.1	39
120	A novel selection method of CMIP6 GCMs for robust climate projection. International Journal of Climatology, 2022, 42, 4258-4272.	3.5	39
121	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.	3.1	38
122	Development of high-resolution daily gridded temperature datasets for the central north region of Egypt. Scientific Data, 2019, 6, 138.	5.3	38
123	Selection of CMIP5 general circulation model outputs of precipitation for peninsular Malaysia. Hydrology Research, 2020, 51, 781-798.	2.7	38
124	Construction labour productivity: review of factors identified. International Journal of Construction Management, 2022, 22, 413-425.	3.2	37
125	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	37
126	Future precipitation changes in Egypt under the 1.5 and 2.0 Â°C global warming goals using CMIP6 multimodel ensemble. Atmospheric Research, 2022, 265, 105908.	4.1	37

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127	River water level prediction in coastal catchment using hybridized relevance vector machine model with improved grasshopper optimization. Journal of Hydrology, 2021, 598, 126477.	5.4	36
128	Evaluation of the performance of gridded precipitation products over Balochistan Province, Pakistan. , 0, 79, 73-86.		36
129	Effective Design and Planning Specification of Low Impact Development Practices Using Water Management Analysis Module (WMAM): Case of Malaysia. Water (Switzerland), 2017, 9, 173.	2.7	35
130	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. Atmospheric Research, 2020, 245, 105061.	4.1	35
131	Deciphering transmissivity and hydraulic conductivity of the aquifer by vertical electrical sounding (VES) experiments in Northwest Bangladesh. Applied Water Science, 2016, 6, 35-45.	5.6	34
132	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. Sustainability, 2018, 10, 2182.	3.2	34
133	Spatiotemporal changes and modulations of extreme climatic indices in monsoon-dominated climate region linkage with large-scale atmospheric oscillation. Atmospheric Research, 2021, 264, 105840.	4.1	34
134	Absolute homogeneity assessment of precipitation time series in an arid region of Pakistan. Atmosfera, 2018, 31, 301-316.	0.8	34
135	Nitrate Adsorption on Clay Kaolin: Batch Tests. Journal of Chemistry, 2015, 2015, 1-7.	1.9	33
136	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.	2.9	33
137	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.	2.8	33
138	Reliabilityâ€“Resiliencyâ€“Vulnerability Approach for Drought Analysis in South Korea Using 28 GCMs. Sustainability, 2018, 10, 3043.	3.2	32
139	Development of multi-model ensemble for projection of extreme rainfall events in Peninsular Malaysia. Hydrology Research, 2019, 50, 1772-1788.	2.7	32
140	Evaluation of remotely sensed precipitation sources for drought assessment in Semi-Arid Iraq. Atmospheric Research, 2020, 242, 105007.	4.1	32
141	Differences in extremes and uncertainties in future runoff simulations using SWAT and LSTM for SSP scenarios. Science of the Total Environment, 2022, 838, 156162.	8.0	32
142	Modeling Irrigation Water Demand in a Tropical Paddy Cultivated Area in the Context of Climate Change. Journal of Water Resources Planning and Management - ASCE, 2017, 143, .	2.6	30
143	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. Earth Systems and Environment, 2019, 3, 381-398.	6.2	30
144	Open Channel Sluice Gate Scouring Parameters Prediction: Different Scenarios of Dimensional and Non-Dimensional Input Parameters. Water (Switzerland), 2019, 11, 353.	2.7	30

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145	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.	5.3	30
146	Potential impact of climate change on future water demand in Yulin city, Northwest China. Mitigation and Adaptation Strategies for Global Change, 2015, 20, 1-19.	2.1	29
147	Spatial mapping of artesian zone at Iraqi southern desert using a GIS-based random forest machine learning model. Modeling Earth Systems and Environment, 2016, 2, 1.	3.4	29
148	Impact of temperature changes on groundwater levels and irrigation costs in a groundwater-dependent agricultural region in Northwest Bangladesh. Hydrological Research Letters, 2017, 11, 85-91.	0.5	29
149	Characteristics of Annual and Seasonal Trends of Rainfall and Temperature in Iraq. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 429-438.	2.3	29
150	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. Agriculture (Switzerland), 2021, 11, 1288.	3.1	29
151	Assessment of Greenhouse Gas Emission Reduction Measures in Transportation Sector of Malaysia. Jurnal Teknologi (Sciences and Engineering), 2014, 70, .	0.4	28
152	Integration of catastrophe and entropy theories for flood risk mapping in peninsular Malaysia. Journal of Flood Risk Management, 2021, 14, e12686.	3.3	28
153	Removal Techniques of Nitrate from Water. Asian Journal of Chemistry, 2014, 26, 7881-7886.	0.3	27
154	A Hybrid Model for Statistical Downscaling of Daily Rainfall. Procedia Engineering, 2016, 154, 1424-1430.	1.2	27
155	Spatial Mapping of Groundwater Potential Using Entropy Weighted Linear Aggregate Novel Approach and GIS. Arabian Journal for Science and Engineering, 2017, 42, 1185-1199.	3.0	27
156	Impact of landuse on groundwater quality of Bangladesh. Sustainable Water Resources Management, 2018, 4, 1031-1036.	2.1	26
157	Assessment of changing pattern of crop water stress in Bangladesh. Environment, Development and Sustainability, 2020, 22, 4619-4637.	5.0	26
158	A Newly Developed Integrative Bio-Inspired Artificial Intelligence Model for Wind Speed Prediction. IEEE Access, 2020, 8, 83347-83358.	4.2	26
159	Integrative stochastic model standardization with genetic algorithm for rainfall pattern forecasting in tropical and semi-arid environments. Hydrological Sciences Journal, 2020, 65, 1145-1157.	2.6	25
160	Differences in multiâ€model ensembles of <scp>CMIP5</scp> and <scp>CMIP6</scp> projections for future droughts in South Korea. International Journal of Climatology, 2022, 42, 2688-2716.	3.5	25
161	Effect of land use land cover changes on land surface temperature during 1984â€“2020: a case study of Baghdad city using landsat image. Natural Hazards, 2022, 112, 1223-1246.	3.4	25
162	Evaluation of spatioâ€temporal rainfall variability and performance of a stochastic rainfall model in Bangladesh. International Journal of Climatology, 2019, 39, 4256-4273.	3.5	24

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163	Comparative implementation between neuro-emotional genetic algorithm and novel ensemble computing techniques for modelling dissolved oxygen concentration. Hydrological Sciences Journal, 2021, 66, 1584-1596.	2.6	24
164	Impacts of climate variability and changes on domestic water use in the Yellow River Basin of China. Mitigation and Adaptation Strategies for Global Change, 2017, 22, 595-608.	2.1	23
165	Parametric Assessment of Pre-Monsoon Agricultural Water Scarcity in Bangladesh. Sustainability, 2018, 10, 819.	3.2	23
166	Cautionary note on the use of genetic programming in statistical downscaling. International Journal of Climatology, 2018, 38, 3449-3465.	3.5	23
167	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.	3.1	23
168	Optimum Abstraction of Groundwater for Sustaining Groundwater Level and Reducing Irrigation Cost. Water Resources Management, 2017, 31, 1947-1959.	3.9	22
169	Potential Impact of Climate Change on Residential Energy Consumption in Dhaka City. Environmental Modeling and Assessment, 2018, 23, 131-140.	2.2	22
170	The changing characteristics of groundwater sustainability in Pakistan from 2002 to 2016. Hydrogeology Journal, 2019, 27, 2485-2496.	2.1	22
171	Spatiotemporal changes in precipitation indicators related to bioclimate in Iran. Theoretical and Applied Climatology, 2020, 141, 99-115.	2.8	22
172	Evaluating intensity-duration-frequency (IDF) curves of satellite-based precipitation datasets in Peninsular Malaysia. Atmospheric Research, 2021, 248, 105203.	4.1	22
173	Projection of Hot and Cold Extremes in the Amu River Basin of Central Asia using GCMs CMIP6. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3395-3416.	4.0	22
174	Modeling of wastewater quality in an urban area during festival and rainy days. Water Science and Technology, 2015, 72, 1029-1042.	2.5	21
175	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.	3.1	21
176	Uncertainties in evapotranspiration projections associated with estimation methods and CMIP6 GCMs for South Korea. Science of the Total Environment, 2022, 825, 153953.	8.0	21
177	Modelling labour productivity using SVM and RF: a comparative study on classifiers performance. International Journal of Construction Management, 2022, 22, 1924-1934.	3.2	20
178	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.	2.8	19
179	Changes in monsoon rainfall distribution of Bangladesh using quantile regression model. Theoretical and Applied Climatology, 2020, 142, 1329-1342.	2.8	19
180	The development of evolutionary computing model for simulating reference evapotranspiration over Peninsular Malaysia. Theoretical and Applied Climatology, 2021, 144, 1419-1434.	2.8	19

#	Article	IF	Citations
181	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.	4.0	19
182	Assessment of <scp>CMIP6</scp> global climate models in reconstructing rainfall climatology of Bangladesh. International Journal of Climatology, 2022, 42, 3928-3953.	3.5	19
183	Long Term Historic Changes in the Flow of Lesser Zab River, Iraq. Hydrology, 2019, 6, 22.	3.0	18
184	Influence of Surface Water Bodies on the Land Surface Temperature of Bangladesh. Sustainability, 2019, 11, 6754.	3.2	18
185	High-Resolution Climate Projections for a Densely Populated Mediterranean Region. Sustainability, 2020, 12, 3684.	3.2	18
186	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, 32564-32579.	5.3	18
187	Identification of NO2 and SO2 Pollution Hotspots and Sources in Jiangsu Province of China. Remote Sensing, 2021, 13, 3742.	4.0	18
188	Prediction of Potential Evapotranspiration Using Temperature-Based Heuristic Approaches. Sustainability, 2021, 13, 297.	3.2	18
189	Projection of droughts in Amu river basin for shared socioeconomic pathways CMIP6. Theoretical and Applied Climatology, 2022, 149, 1009-1027.	2.8	18
190	Climatic zonation of Egypt based on high-resolution dataset using image clustering technique. Progress in Earth and Planetary Science, 2022, 9, .	3.0	18
191	Forecasting industrial water demand in Huaihe River Basin due to environmental changes. Mitigation and Adaptation Strategies for Global Change, 2018, 23, 469-483.	2.1	17
192	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.	2.8	17
193	Spatiotemporal variability of rainfall trends and influencing factors in Rwanda. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 219, 105631.	1.6	17
194	Application of ensemble machine learning model in downscaling and projecting climate variables over different climate regions in Iran. Environmental Science and Pollution Research, 2022, 29, 17260-17279.	5.3	17
195	Soil erosion susceptibility of Johor River basin. Water and Environment Journal, 2017, 31, 367-374.	2.2	16
196	Delineation of groundwater potential zones using a parsimonious concept based on catastrophe theory and analytical hierarchy process. Hydrogeology Journal, 2021, 29, 1091-1116.	2.1	16
197	Correcting bias of satellite rainfall data using physical empirical model. Atmospheric Research, 2021, 251, 105430.	4.1	16
198	Spatiotemporal changes in rainfall and droughts of Bangladesh for1.5 and 2ÂÂ°C temperature rise scenarios of CMIP6 models. Theoretical and Applied Climatology, 2021, 146, 527-542.	2.8	16

#	Article	IF	Citations
199	Trends and Variabilities of Thunderstorm Days over Bangladesh on the ENSO and IOD Timescales. Atmosphere, 2020, 11, 1176.	2.3	15
200	Suspended Sediment Modeling Using a Heuristic Regression Method Hybridized with Kmeans Clustering. Sustainability, 2021, 13, 4648.	3.2	15
201	Spatiotemporal distribution of drought and its possible associations with ENSO indices in Bangladesh. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	15
202	Bias correction method of high-resolution satellite-based precipitation product for Peninsular Malaysia. Theoretical and Applied Climatology, 2022, 148, 1429-1446.	2.8	15
203	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.	2.8	14
204	Flood Frequency Analysis Based on t-copula for Johor River, Malaysia. Journal of Applied Sciences, 2013, 13, 1021-1028.	0.3	14
205	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, 36, 2919-2939.	4.0	14
206	Assessment of Water Resources Availability in Amu Darya River Basin Using GRACE Data. Water (Switzerland), 2022, 14, 533.	2.7	14
207	Projecting spatiotemporal changes of precipitation and temperature in Iraq for different shared socioeconomic pathways with selected Coupled Model Intercomparison Project Phase 6. International Journal of Climatology, 2022, 42, 9032-9050.	3.5	14
208	Spatial assessment of groundwater demand in Northwest Bangladesh. International Journal of Water, 2010, 5, 267.	0.1	13
209	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.	5.0	13
210	Assessing the Uncertainty Associated with Flood Features due to Variability of Rainfall and Hydrological Parameters. Advances in Civil Engineering, 2020, 2020, 1-9.	0.7	13
211	Inhomogeneity detection in the precipitation series: case of arid province of Pakistan. Environment, Development and Sustainability, 2021, 23, 7176-7192.	5.0	13
212	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, 2022, 29, 20496-20516.	5.3	13
213	Changes in urbanization and urban heat island effect in Dhaka city. Theoretical and Applied Climatology, 2022, 147, 891-907.	2.8	13
214	Future precipitation projection in Bangladesh using <scp>SimCLIM</scp> climate model: A multiâ€model ensemble approach. International Journal of Climatology, 2022, 42, 6716-6740.	3.5	13
215	Future Hydrological Drought Analysis Considering Agricultural Water Withdrawal Under SSP Scenarios. Water Resources Management, 2022, 36, 2913-2930.	3.9	13
216	Changes in monsoon precipitation patterns over Bangladesh and its teleconnections with global climate. Theoretical and Applied Climatology, 2022, 148, 1261-1278.	2.8	13

#	Article	IF	Citations
217	Prediction of groundwater flowing well zone at An-Najif Province, central Iraq using evidential belief functions model and GIS. Environmental Monitoring and Assessment, 2016, 188, 549.	2.7	12
218	Modeling domestic water demand in Huaihe River Basin of China under climate change and population dynamics. Environment, Development and Sustainability, 2018, 20, 911-924.	5.0	12
219	Spatial Shift of Aridity and Its Impact on Land Use of Syria. Sustainability, 2019, 11, 7047.	3.2	12
220	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.	2.2	12
221	Divergence of potential evapotranspiration trends over Pakistan during 1967â€“2016. Theoretical and Applied Climatology, 2020, 141, 215-227.	2.8	12
222	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.	5.0	12
223	Projection of Water Availability and Sustainability in Nigeria Due to Climate Change. Sustainability, 2021, 13, 6284.	3.2	12
224	Recent changes in temperature extremes in subtropical climate region and the role of large-scale atmospheric oscillation patterns. Theoretical and Applied Climatology, 2022, 148, 329-347.	2.8	12
225	Uncertainty of climate change impact on crop characteristics: a case study of Moghan plain in Iran. Theoretical and Applied Climatology, 0, , .	2.8	12
226	SEISRES â€" a Visual C++ program for the sequential inversion of seismic refraction and geoelectric data. Computers and Geosciences, 2000, 26, 177-200.	4.2	11
227	Hydrological behaviour of a drained agricultural peat catchment in the tropics. 1: Rainfall, runoff and water table relationships. Hydrological Sciences Journal, 2013, 58, 1297-1309.	2.6	11
228	Demand control and quota management strategy for sustainable water use in China. Environmental Earth Sciences, 2015, 73, 7403-7413.	2.7	11
229	GIS integration of hydrogeological and geoelectrical data for groundwater potential modeling in the western part of greater Kushtia district of Bangladesh. Water Resources, 2016, 43, 283-291.	0.9	11
230	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.	2.9	11
231	Defining climate zone of Borneo based on cluster analysis. Theoretical and Applied Climatology, 2021, 145, 1467-1484.	2.8	11
232	Predictability performance enhancement for suspended sediment in rivers: Inspection of newly developed hybrid adaptive neuro-fuzzy system model. International Journal of Sediment Research, 2022, 37, 383-398.	3.5	11
233	Dual Water Choices: The Assessment of the Influential Factors on Water Sources Choices Using Unsupervised Machine Learning Market Basket Analysis. IEEE Access, 2021, 9, 150532-150544.	4.2	11
234	Comparison of precipitation projections of CMIP5 and CMIP6 global climate models over Yulin, China. Theoretical and Applied Climatology, 2022, 147, 535-548.	2.8	11

#	Article	IF	Citations
235	Groundwater resource evaluation in the western part of Kushtia district of Bangladesh using vertical electrical sounding technique. ISH Journal of Hydraulic Engineering, 2015, 21, 97-110.	2.1	10
236	A novel simulationâ€“optimization strategy for stochasticâ€based designing of flood control dam: A case study of Jamishan dam. Journal of Flood Risk Management, 2021, 14, e12678.	3.3	10
237	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.	5.3	10
238	Daily scale river flow simulation: hybridized fuzzy logic model with metaheuristic algorithms. Hydrological Sciences Journal, 2021, 66, 2155-2169.	2.6	10
239	Replicability of Annual and Seasonal Precipitation by CMIP5 and CMIP6 GCMs over East Asia. KSCE Journal of Civil Engineering, 2022, 26, 1978-1989.	1.9	10
240	Spatiotemporal changes in water consumption structure of the Yellow River Basin, China. Physics and Chemistry of the Earth, 2022, 126, 103112.	2.9	10
241	Projection of rainfall intensity-duration-frequency curves at ungauged location under climate change scenarios. Sustainable Cities and Society, 2022, 83, 103951.	10.4	10
242	Estimating the Standardized Precipitation Evapotranspiration Index Using Data-Driven Techniques: A Regional Study of Bangladesh. Water (Switzerland), 2022, 14, 1764.	2.7	10
243	Groundwater-dependent irrigation costs and benefits for adaptation to global change. Mitigation and Adaptation Strategies for Global Change, 2018, 23, 953-979.	2.1	9
244	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.	2.8	9
245	Predicting daily soil temperature at multiple depths using hybrid machine learning models for a semi-arid region in Punjab, India. Environmental Science and Pollution Research, 2022, 29, 71270-71289.	5.3	9
246	Effects of El Nino Southern Oscillation on the Discharge of Kor River in Iran. Advances in Meteorology, 2013, 2013, 1-7.	1.6	8
247	Return Periods of Extreme Meteorological Droughts during Monsoon in Bangladesh. Applied Mechanics and Materials, 0, 735, 186-189.	0.2	8
248	CLIMATE CHANGE AND ROAD SAFETY: A REVIEW TO ASSESS IMPACTS IN MALAYSIA. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	8
249	Appraising the historical and projected spatiotemporal changes in the heat index in Bangladesh. Theoretical and Applied Climatology, 2021, 146, 125-138.	2.8	8
250	Drought Index Prediction Using Data Intelligent Analytic Models: A Review. Springer Transactions in Civil and Environmental Engineering, 2021, , 1-27.	0.4	8
251	Prediction of heat waves using meteorological variables in diverse regions of Iran with advanced machine learning models. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1959-1974.	4.0	8
252	Relative performance of CMIP5 and CMIP6 models in simulating rainfall in Peninsular Malaysia. Theoretical and Applied Climatology, 2022, 149, 709-725.	2.8	8

#	Article	IF	Citations
253	TOPMODEL for Streamflow Simulation of a Tropical Catchment Using Different Resolutions of ASTER DEM: Optimization Through Response Surface Methodology. Water Resources Management, 2016, 30, 3159-3173.	3.9	7
254	Domestic water demand forecasting in the Yellow River basin under changing environment. International Journal of Climate Change Strategies and Management, 2018, 10, 379-388.	2.9	7
255	Optimizing Height and Spacing of Check Dam Systems for Better Grassed Channel Infiltration Capacity. Applied Sciences (Switzerland), 2020, 10, 3725.	2.5	7
256	Assessment of Spatiotemporal Variability of Meteorological Droughts in Northern Iraq Using Satellite Rainfall Data. KSCE Journal of Civil Engineering, 2021, 25, 4481-4493.	1.9	7
257	Climate Change Impacts on and Adaptation to Groundwater. , 2017, , 107-124.		7
258	Remote Sensing for Development of Rainfall Intensityâ€“Durationâ€“Frequency Curves at Ungauged Locations of Yangon, Myanmar. Water (Switzerland), 2022, 14, 1699.	2.7	7
259	Impact of Direct Soil Moisture and Revised Soil Moisture Index Methods on Hydrologic Predictions in an Arid Climate. Advances in Meteorology, 2014, 2014, 1-8.	1.6	6
260	Mechanism and comprehensive countermeasure for drought management from the view of catastrophe theory. Natural Hazards, 2014, 71, 823-835.	3.4	6
261	Assessment of Bus Service-Quality using Passengersâ€™ Perceptions. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	6
262	Statistical Downscaling of Rainfall in an Arid Coastal Region: A Radial Basis Function Neural Network Approach. Applied Mechanics and Materials, 0, 735, 190-194.	0.2	6
263	Changing Characteristics of the Water Consumption Structure in Nanjing City, Southern China. Water (Switzerland), 2016, 8, 314.	2.7	6
264	Tropical stormwater nutrient degradation using nano-TiO2 in photocatalytic reactor detention pond. Water Science and Technology, 2016, 73, 405-413.	2.5	6
265	Evaluation of Subsurface Lithologic Units for Groundwater Exploration in the Barind Tract of Bangladesh. Geotechnical and Geological Engineering, 2016, 34, 1395-1411.	1.7	6
266	Development of an optimal reservoir pumping operation for adaptation to climate change. KSCE Journal of Civil Engineering, 2017, 21, 467-476.	1.9	6
267	Groundwater dynamics and balance in the western part of greater Kushtia district of Bangladesh. KSCE Journal of Civil Engineering, 2017, 21, 1595-1606.	1.9	6
268	An Integrated Method for Identifying Present Status and Risk of Drought in Bangladesh. Remote Sensing, 2020, 12, 2686.	4.0	6
269	Spatio-temporal Investigations of Monsoon Precipitation and Its Historical and Future Trend over Sudan. Earth Systems and Environment, 2021, 5, 519-529.	6.2	6
270	Determination of cotton and wheat yield using the standard precipitation evaporation index in Pakistan. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	6

#	Article	IF	Citations
271	An Investigation Into Qualitative Differences Between Bus Users and Operators for Intercity Travel in Malaysia. Jurnal Teknologi (Sciences and Engineering), 2014, 70, .	0.4	6
272	Water resources response and prediction under climate change in Taoâ€™er River Basin, Northeast China. Journal of Mountain Science, 2021, 18, 2635-2645.	2.0	6
273	Assessment of climate change impact on probable maximum floods in a tropical catchment. Theoretical and Applied Climatology, 2022, 148, 15-31.	2.8	6
274	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.	3.2	6
275	SPATIAL AND TEMPORAL PATTERN OF ROAD ACCIDENTS AND CASUALTIES IN PENINSULAR MALAYSIA. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	5
276	Water use and demand forecasting model for coal-fired power generation plant in China. Environment, Development and Sustainability, 2019, 21, 1675-1693.	5.0	5
277	Volatility in Rainfall and Predictability of Droughts in Northwest Bangladesh. Sustainability, 2020, 12, 9810.	3.2	5
278	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.	3.2	5
279	Rice yield responses in Bangladesh to large-scale atmospheric oscillation using multifactorial model. Theoretical and Applied Climatology, 2021, 146, 29-44.	2.8	5
280	Geographically Weighted Regression Hybridized with Kriging Model for Delineation of Drought-Prone Areas. Environmental Modeling and Assessment, 2021, 26, 803-821.	2.2	5
281	Evaluating the aptitude of global climate models from<scp>CMIP5</scp>and<scp>CMIP6</scp>in capturing the historical observations of monsoon rainfall over Sudan from 1946 to 2005. International Journal of Climatology, 2022, 42, 2717-2738.	3.5	5
282	Effects of convective available potential energy, temperature and humidity on the variability of thunderstorm frequency over Bangladesh. Theoretical and Applied Climatology, 0, , 1.	2.8	5
283	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. Sustainability, 2022, 14, 6620.	3.2	5
284	Hydrological behaviour of a drained agricultural peat catchment in the tropics. 2: Time series transfer function modelling approach. Hydrological Sciences Journal, 2013, 58, 1310-1325.	2.6	4
285	Prediction of Flow Duration Curve in Ungauged Catchments Using Genetic Expression Programming. Procedia Engineering, 2016, 154, 1431-1438.	1.2	4
286	Simulation of nitrate transport and fate in groundwater in presence of kaolin. Journal of Soils and Water Conservation, 2019, 74, 67-76.	1.6	4
287	A Novel Stochastic Approach for Optimization of Diversion System Dimension by Considering Hydrological and Hydraulic Uncertainties. Water Resources Management, 2021, 35, 3649-3677.	3.9	4
288	Historical trends in crop water demand over semiarid region of Syria. Theoretical and Applied Climatology, 2021, 146, 555-566.	2.8	4

#	Article	IF	Citations
289	Summer monsoon rainfall variations and its association with atmospheric circulations over Sudan. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 225, 105751.	1.6	4
290	Assessing the spatial and temporal variations of terrestrial water storage of Iraq using GRACE satellite data and reliabilityâ€“resiliencyâ€“vulnerability indicators. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	4
291	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.	3.9	4
292	Review of construction labor productivity factors from a geographical standpoint. International Journal of Construction Management, 2023, 23, 697-707.	3.2	3
293	Forecasting domestic water demand in the Haihe river basin under changing environment. Proceedings of the International Association of Hydrological Sciences, 0, 376, 51-55.	1.0	3
294	Vegetation response to climate and climatic extremes in northwest Bangladesh: a quantile regression approach. Theoretical and Applied Climatology, 2022, 148, 985-1003.	2.8	3
295	Delineation of urban expansion and drought-prone areas using vegetation conditions and other geospatial indices. Theoretical and Applied Climatology, 2022, 149, 1277-1295.	2.8	3
296	Spatio-temporal Characteristics of Droughts and Drought Trends in Qazvin Province of Iran. Research Journal of Applied Sciences, Engineering and Technology, 2014, 11, 1299-1311.	0.1	2
297	Flowing well potential zoning at Iraqi southern and western deserts using frequency ratio and geographic information system. International Journal of Environmental Science and Technology, 2017, 14, 2249-2268.	3.5	2
298	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
299	Analysis of historical drought and flood characteristics of Hengshui during the period 1649â€“2018: a typical city in North China. Natural Hazards, 2021, 108, 2081-2099.	3.4	2
300	EVALUATION OF MASS TRANSFER EVAPOTRANSPIRATION MODELS UNDER SEMIARID CONDITIONS USING MCDM APPROACH. Applied Ecology and Environmental Research, 2020, 18, 6355-6375.	0.5	2
301	Genetic Programming for Downscaling Extreme Rainfall Events. , 2013, , .		1
302	Efficiency of Different Organic Surfactants on Nitrate Adsorption in Water. Asian Journal of Chemistry, 2014, 26, 7877-7880.	0.3	1
303	Tropical Stormwater Chemical Oxygen Demand Degradation Using Nano TiO2 in Photocatalytic Reactor Detention Pond. Asian Journal of Chemistry, 2015, 27, 2311-2316.	0.3	1
304	Interference and inefficiency of water wells: a constrain of water conservation in Bangladesh. ISH Journal of Hydraulic Engineering, 2017, 23, 220-226.	2.1	1
305	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.	1.5	1
306	Assessing water security and adaptation measures in a changing environment. Proceedings of the International Association of Hydrological Sciences, 0, 366, 129-130.	1.0	1

#	Article	IF	Citations
307	Comparison of a Hybrid Neural Network and Semi-distributed Simulator for Stream Flow Prediction. , 2016, , 115-127.		0
308	AN EXPLORATORY STUDY TO EXAMINE ABUNDANCE OF PM_{2.5} AND ASSOCIATED DISEASE BURDEN IN BANGLADESH. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-3-2022, 627-633.	0.0	0