

Shamsuddin Shahid

List of Publications by Year in descending order

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377
papers

14,899
citations

15497

65
h-index

37994

96
g-index

398
all docs

398
docs citations

398
times ranked

13612
citing authors

#	ARTICLE	IF	CITATIONS
1	Drought risk assessment in the western part of Bangladesh. <i>Natural Hazards</i> , 2008, 46, 391-413.	3.4	387
2	An empirical study of construction and demolition waste generation and implication of recycling. <i>Waste Management</i> , 2019, 95, 10-21.	7.6	234
3	Rainfall variability and the trends of wet and dry periods in Bangladesh. <i>International Journal of Climatology</i> , 2010, 30, 2299-2313.	3.5	224
4	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.	10.6	221
5	Statistical downscaling of precipitation using machine learning techniques. <i>Atmospheric Research</i> , 2018, 212, 240-258.	4.3	211
6	Trends in extreme rainfall events of Bangladesh. <i>Theoretical and Applied Climatology</i> , 2011, 104, 489-499.	2.8	210
7	The Incidence, Causes, and Risk Factors of Acute Kidney Injury in Patients Receiving Immune Checkpoint Inhibitors. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 1692-1700.	4.4	209
8	Adaptation to climate change impacts on water demand. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 81-99.	2.2	193
9	Groundwater Drought in the Northwestern Districts of Bangladesh. <i>Water Resources Management</i> , 2010, 24, 1989-2006.	4.0	184
10	Second malignancy risk associated with treatment of Hodgkin's lymphoma: meta-analysis of the randomised trials. <i>Annals of Oncology</i> , 2006, 17, 1749-1760.	1.3	172
11	Groundwater level prediction using machine learning models: A comprehensive review. <i>Neurocomputing</i> , 2022, 489, 271-308.	6.2	169
12	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.	2.0	164
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. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4803-4824.	5.0	163
14	Impacts of climate variability and change on seasonal drought characteristics of Pakistan. <i>Atmospheric Research</i> , 2018, 214, 364-374.	4.3	161
15	Recent trends in the climate of Bangladesh. <i>Climate Research</i> , 2010, 42, 185-193.	1.1	155
16	Multi-model ensemble predictions of precipitation and temperature using machine learning algorithms. <i>Atmospheric Research</i> , 2020, 236, 104806.	4.3	150
17	Selection of climate models for projection of spatiotemporal changes in temperature of Iraq with uncertainties. <i>Atmospheric Research</i> , 2018, 213, 509-522.	4.3	145
18	Antimicrobial efficacy of chlorhexidine digluconate alone and in combination with eucalyptus oil, tea tree oil and thymol against planktonic and biofilm cultures of <i>Staphylococcus epidermidis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 1031-1036.	3.2	143

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19	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.	5.6	143
20	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.	4.3	141
21	Long-term trends in daily temperature extremes in Iraq. <i>Atmospheric Research</i> , 2017, 198, 97-107.	4.3	138
22	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.	7.4	132
23	The neXtProt knowledgebase in 2020: data, tools and usability improvements. <i>Nucleic Acids Research</i> , 2020, 48, D328-D334.	14.0	129
24	Changes in diurnal temperature range in Bangladesh during the time period 1961–2008. <i>Atmospheric Research</i> , 2012, 118, 260-270.	4.3	125
25	Seasonal Drought Pattern Changes Due to Climate Variability: Case Study in Afghanistan. <i>Water (Switzerland)</i> , 2019, 11, 1096.	2.8	122
26	Spatial and temporal characteristics of droughts in the western part of Bangladesh. <i>Hydrological Processes</i> , 2008, 22, 2235-2247.	2.6	119
27	Climate variability and changes in the major cities of Bangladesh: observations, possible impacts and adaptation. <i>Regional Environmental Change</i> , 2016, 16, 459-471.	2.9	119
28	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.	1.3	116
29	Spatial distribution of unidirectional trends in temperature and temperature extremes in Pakistan. <i>Theoretical and Applied Climatology</i> , 2019, 136, 899-913.	2.8	113
30	Performance Assessment of General Circulation Model in Simulating Daily Precipitation and Temperature Using Multiple Gridded Datasets. <i>Water (Switzerland)</i> , 2018, 10, 1793.	2.8	112
31	Trend Analysis of Droughts during Crop Growing Seasons of Nigeria. <i>Sustainability</i> , 2018, 10, 871.	3.3	107
32	Evidence that breast cancer risk at the 2q35 locus is mediated through IGFBP5 regulation. <i>Nature Communications</i> , 2014, 5, 4999.	13.2	106
33	Evaluation of CMIP6 GCM rainfall in mainland Southeast Asia. <i>Atmospheric Research</i> , 2021, 254, 105525.	4.3	106
34	Unidirectional trends in annual and seasonal climate and extremes in Egypt. <i>Theoretical and Applied Climatology</i> , 2019, 136, 457-473.	2.8	105
35	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.	3.3	105
36	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.	2.4	98

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37	Trends in heat wave related indices in Pakistan. Stochastic Environmental Research and Risk Assessment, 2019, 33, 287-302.	4.1	98
38	Changing characteristics of meteorological droughts in Nigeria during 1901â€“2010. Atmospheric Research, 2019, 223, 60-73.	4.3	97
39	Characterization of seasonal droughts in Balochistan Province, Pakistan. Stochastic Environmental Research and Risk Assessment, 2016, 30, 747-762.	4.1	96
40	Evaluation of Gridded Precipitation Datasets over Arid Regions of Pakistan. Water (Switzerland), 2019, 11, 210.	2.8	93
41	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.	4.3	93
42	Water resources management strategy for adaptation to droughts in China. Mitigation and Adaptation Strategies for Global Change, 2012, 17, 923-937.	2.2	90
43	The potential of novel data mining models for global solar radiation prediction. International Journal of Environmental Science and Technology, 2019, 16, 7147-7164.	3.4	87
44	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. Water (Switzerland), 2019, 11, 502.	2.8	86
45	rFIA: An R package for estimation of forest attributes with the US Forest Inventory and Analysis database. Environmental Modelling and Software, 2020, 127, 104664.	4.6	86
46	Implementation of Univariate Paradigm for Streamflow Simulation Using Hybrid Data-Driven Model: Case Study in Tropical Region. IEEE Access, 2019, 7, 74471-74481.	4.4	85
47	Fidelity assessment of general circulation model simulated precipitation and temperature over Pakistan using a feature selection method. Journal of Hydrology, 2019, 573, 281-298.	5.6	85
48	Selection of gridded precipitation data for Iraq using compromise programming. Measurement: Journal of the International Measurement Confederation, 2019, 132, 87-98.	5.1	84
49	Spatial assessment of meteorological drought features over different climate regions in Iran. International Journal of Climatology, 2020, 40, 1864-1884.	3.5	84
50	Spatial distribution of secular trends in annual and seasonal precipitation over Pakistan. Climate Research, 2017, 74, 95-107.	1.1	83
51	Evaluation of Empirical Reference Evapotranspiration Models Using Compromise Programming: A Case Study of Peninsular Malaysia. Sustainability, 2019, 11, 4267.	3.3	82
52	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.	4.3	80
53	Complementary data-intelligence model for river flow simulation. Journal of Hydrology, 2018, 567, 180-190.	5.6	80
54	Prediction of heat waves in Pakistan using quantile regression forests. Atmospheric Research, 2019, 221, 1-11.	4.3	79

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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. <i>Atmospheric Research</i> , 2019, 225, 1-16.	4.3	79
56	Assessment of groundwater potential zones in an arid region based on catastrophe theory. <i>Earth Science Informatics</i> , 2015, 8, 539-549.	3.2	77
57	Assessment of Satellite-Based Precipitation Measurement Products over the Hot Desert Climate of Egypt. <i>Remote Sensing</i> , 2019, 11, 555.	4.1	77
58	Probable Impacts of Climate Change on Public Health in Bangladesh. <i>Asia-Pacific Journal of Public Health</i> , 2010, 22, 310-319.	1.0	76
59	Genetic Programming for the Downscaling of Extreme Rainfall Events on the East Coast of Peninsular Malaysia. <i>Atmosphere</i> , 2014, 5, 914-936.	2.3	76
60	Spatiotemporal changes in aridity of Pakistan during 1901â€“2016. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 3081-3096.	5.0	75
61	Projection of meteorological droughts in Nigeria during growing seasons under climate change scenarios. <i>Scientific Reports</i> , 2020, 10, 10107.	3.4	75
62	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.	5.3	74
63	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	74
64	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.	2.8	73
65	Spatiotemporal trends in reference evapotranspiration and its driving factors in Bangladesh. <i>Theoretical and Applied Climatology</i> , 2021, 144, 793-808.	2.8	72
66	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.	5.6	70
67	Changes in reference evapotranspiration and its driving factors in peninsular Malaysia. <i>Atmospheric Research</i> , 2020, 246, 105096.	4.3	70
68	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.	2.2	69
69	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.	3.4	69
70	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	69
71	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.	2.8	68
72	Spatial distribution of unidirectional trends in climate and weather extremes in Nile river basin. <i>Theoretical and Applied Climatology</i> , 2019, 137, 1181-1199.	2.8	68

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73	Impacts and adaptation to climate change in Malaysian real estate. <i>International Journal of Climate Change Strategies and Management</i> , 2017, 9, 87-103.	3.4	67
74	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.	1.3	66
75	Global solar radiation prediction over North Dakota using air temperature: Development of novel hybrid intelligence model. <i>Energy Reports</i> , 2021, 7, 136-157.	5.2	66
76	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.	2.2	65
77	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.	2.2	65
78	Symmetrical uncertainty and random forest for the evaluation of gridded precipitation and temperature data. <i>Atmospheric Research</i> , 2019, 230, 104632.	4.3	65
79	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.	16.7	65
80	Spatiotemporal changes in aridity and the shift of drylands in Iran. <i>Atmospheric Research</i> , 2020, 233, 104704.	4.3	63
81	Evaluating severityâ€‘areaâ€‘frequency (SAF) of seasonal droughts in Bangladesh under climate change scenarios. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020, 34, 447-464.	4.1	63
82	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.	5.7	62
83	Complete genome sequence of <i>Rhizobium leguminosarum</i> bv <i>trifolii</i> strain WSM2304, an effective microsymbiont of the South American clover <i>Trifolium polymorphum</i> .. <i>Standards in Genomic Sciences</i> , 2010, 2, 66-76.	3.7	61
84	Uncertainty in Estimated Trends Using Gridded Rainfall Data: A Case Study of Bangladesh. <i>Water (Switzerland)</i> , 2019, 11, 349.	2.8	61
85	Advances in CMIP6 INM-CM5 over CMIP5 INM-CM4 for precipitation simulation in South Korea. <i>Atmospheric Research</i> , 2021, 247, 105261.	4.3	61
86	Selection of GCMs for the projection of spatial distribution of heat waves in Pakistan. <i>Atmospheric Research</i> , 2020, 233, 104688.	4.3	60
87	Hourly River Flow Forecasting: Application of Emotional Neural Network Versus Multiple Machine Learning Paradigms. <i>Water Resources Management</i> , 2020, 34, 1075-1091.	4.0	60
88	Forecasting standardized precipitation index using data intelligence models: regional investigation of Bangladesh. <i>Scientific Reports</i> , 2021, 11, 3435.	3.4	60
89	Interâ€‘comparison of historical simulation and future projections of rainfall and temperature by CMIP5 and CMIP6 GCMs over Egypt. <i>International Journal of Climatology</i> , 2022, 42, 4316-4332.	3.5	60
90	Uncertainty in Rainfall Intensity Duration Frequency Curves of Peninsular Malaysia under Changing Climate Scenarios. <i>Water (Switzerland)</i> , 2018, 10, 1750.	2.8	59

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91	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.	3.3	59
92	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.	2.7	57
93	Changes in Climatic Water Availability and Crop Water Demand for Iraq Region. <i>Sustainability</i> , 2020, 12, 3437.	3.3	57
94	Vulnerability of the power sector of Bangladesh to climate change and extreme weather events. <i>Regional Environmental Change</i> , 2012, 12, 595-606.	2.9	56
95	Assessment of drought risk index using drought hazard and vulnerability indices. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.4	56
96	Parametric Assessment of Seasonal Drought Risk to Crop Production in Bangladesh. <i>Sustainability</i> , 2019, 11, 1442.	3.3	55
97	Spatial Pattern of the Unidirectional Trends in Thermal Bioclimatic Indicators in Iran. <i>Sustainability</i> , 2019, 11, 2287.	3.3	54
98	Physical-empirical models for prediction of seasonal rainfall extremes of Peninsular Malaysia. <i>Atmospheric Research</i> , 2020, 233, 104720.	4.3	54
99	Distributional changes in rainfall and river flow in Sarawak, Malaysia. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 489-500.	2.4	53
100	Quality of life outcomes among patients with depression after 6 months of starting treatment: Results from FINDER. <i>Journal of Affective Disorders</i> , 2009, 113, 296-302.	4.2	52
101	Spatiotemporal differences and uncertainties in projections of precipitation and temperature in South Korea from CMIP6 and CMIP5 general circulation model simulations. <i>International Journal of Climatology</i> , 2021, 41, 5899-5919.	3.5	52
102	Performance of five high resolution satellite-based precipitation products in arid region of Egypt: An evaluation. <i>Atmospheric Research</i> , 2020, 236, 104809.	4.3	51
103	Future precipitation changes in Egypt under the 1.5 and 2.0 °C global warming goals using CMIP6 multimodel ensemble. <i>Atmospheric Research</i> , 2022, 265, 105908.	4.3	51
104	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.	2.8	50
105	A novel selection method of CMIP6 GCMs for robust climate projection. <i>International Journal of Climatology</i> , 2022, 42, 4258-4272.	3.5	50
106	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.	2.8	49
107	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.	2.2	48
108	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. <i>Sustainability</i> , 2019, 11, 5836.	3.3	48

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109	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.	3.3	48
110	Prediction of copper ions adsorption by attapulgite adsorbent using tuned-artificial intelligence model. <i>Chemosphere</i> , 2021, 276, 130162.	8.4	48
111	Unidirectional trends in daily rainfall extremes of Iraq. <i>Theoretical and Applied Climatology</i> , 2018, 134, 1165-1177.	2.8	47
112	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.	5.0	47
113	Development of new machine learning model for streamflow prediction: case studies in Pakistan. <i>Stochastic Environmental Research and Risk Assessment</i> , 2022, 36, 999-1033.	4.1	47
114	Spatial assessment of groundwater over-exploitation in northwestern districts of Bangladesh. <i>Journal of the Geological Society of India</i> , 2015, 85, 463-470.	1.1	46
115	Spatial interpolation of climatic variables in a predominantly arid region with complex topography. <i>Environment Systems and Decisions</i> , 2014, 34, 555-563.	3.3	45
116	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.	2.7	45
117	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.	2.2	44
118	Construction labour productivity: review of factors identified. <i>International Journal of Construction Management</i> , 2022, 22, 413-425.	3.2	44
119	GCM selection and temperature projection of Nigeria under different RCPs of the CMIP5 GCMS. <i>Theoretical and Applied Climatology</i> , 2020, 141, 1611-1627.	2.8	44
120	Differences in extremes and uncertainties in future runoff simulations using SWAT and LSTM for SSP scenarios. <i>Science of the Total Environment</i> , 2022, 838, 156162.	8.2	44
121	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.	3.1	43
122	Improving the Muskingum Flood Routing Method Using a Hybrid of Particle Swarm Optimization and Bat Algorithm. <i>Water (Switzerland)</i> , 2018, 10, 807.	2.8	43
123	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.	3.0	43
124	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.	2.1	42
125	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.	3.2	41
126	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.	2.2	41

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127	Evaluation of global climate models for precipitation projection in sub-Himalaya region of Pakistan. <i>Atmospheric Research</i> , 2020, 245, 105061.	4.3	41
128	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	41
129	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.	3.3	40
130	Development of high-resolution daily gridded temperature datasets for the central north region of Egypt. <i>Scientific Data</i> , 2019, 6, 138.	5.4	40
131	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.	5.8	39
132	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.	2.9	39
133	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.	5.6	39
134	Absolute homogeneity assessment of precipitation time series in an arid region of Pakistan. <i>Atmosfera</i> , 2018, 31, 301-316.	0.9	37
135	Reliabilityâ€“Resiliencyâ€“Vulnerability Approach for Drought Analysis in South Korea Using 28 GCMs. <i>Sustainability</i> , 2018, 10, 3043.	3.3	36
136	Development of Climate-Based Index for Hydrologic Hazard Susceptibility. <i>Sustainability</i> , 2018, 10, 2182.	3.3	36
137	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.	2.8	36
138	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.	2.8	35
139	Development of multi-model ensemble for projection of extreme rainfall events in Peninsular Malaysia. <i>Hydrology Research</i> , 2019, 50, 1772-1788.	2.5	35
140	Evaluation of remotely sensed precipitation sources for drought assessment in Semi-Arid Iraq. <i>Atmospheric Research</i> , 2020, 242, 105007.	4.3	35
141	A Hybrid Model for Statistical Downscaling of Daily Rainfall. <i>Procedia Engineering</i> , 2016, 154, 1424-1430.	1.2	34
142	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.	5.3	34
143	Effect of land use land cover changes on land surface temperature during 1984â€“2020: a case study of Baghdad city using landsat image. <i>Natural Hazards</i> , 2022, 112, 1223-1246.	3.4	34
144	Projection of Agricultural Water Stress for Climate Change Scenarios: A Regional Case Study of Iraq. <i>Agriculture (Switzerland)</i> , 2021, 11, 1288.	3.1	34

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145	Nitrate Adsorption on Clay Kaolin: Batch Tests. <i>Journal of Chemistry</i> , 2015, 2015, 1-7.	2.0	33
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.	2.4	33
147	Open Channel Sluice Gate Scouring Parameters Prediction: Different Scenarios of Dimensional and Non-Dimensional Input Parameters. <i>Water (Switzerland)</i> , 2019, 11, 353.	2.8	33
148	Downscaling and Projection of Spatiotemporal Changes in Temperature of Bangladesh. <i>Earth Systems and Environment</i> , 2019, 3, 381-398.	6.3	32
149	Integration of catastrophe and entropy theories for flood risk mapping in peninsular Malaysia. <i>Journal of Flood Risk Management</i> , 2021, 14, e12686.	3.4	32
150	Assessment of Greenhouse Gas Emission Reduction Measures in Transportation Sector of Malaysia. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 70, .	0.4	31
151	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.	0.5	31
152	Impact of landuse on groundwater quality of Bangladesh. <i>Sustainable Water Resources Management</i> , 2018, 4, 1031-1036.	2.1	31
153	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.	2.7	31
154	Comparison between CMIP5 and CMIP6 Models over MENA Region Using Historical Simulations and Future Projections. <i>Sustainability</i> , 2022, 14, 10375.	3.3	31
155	Removal Techniques of Nitrate from Water. <i>Asian Journal of Chemistry</i> , 2014, 26, 7881-7886.	0.3	30
156	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.	3.3	30
157	Differences in multi-model ensembles of CMIP5 and CMIP6 projections for future droughts in South Korea. <i>International Journal of Climatology</i> , 2022, 42, 2688-2716.	3.5	30
158	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.	2.7	29
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