

# Sajjad Ahmad

## List of Publications by Year in descending order

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210  
papers

6,958  
citations

36203

51  
h-index

66788

78  
g-index

221  
all docs

221  
docs citations

221  
times ranked

4618  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating soil moisture using remote sensing data: A machine learning approach. <i>Advances in Water Resources</i> , 2010, 33, 69-80.	1.7	345
2	Suspended sediment load prediction of river systems: An artificial neural network approach. <i>Agricultural Water Management</i> , 2011, 98, 855-866.	2.4	255
3	Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems. <i>Water Resources Management</i> , 2012, 26, 2421-2442.	1.9	255
4	System Dynamics Modeling of Reservoir Operations for Flood Management. <i>Journal of Computing in Civil Engineering</i> , 2000, 14, 190-198.	2.5	223
5	Evaluating the effect of persistence on long-term trends and analyzing step changes in streamflows of the continental United States. <i>Journal of Hydrology</i> , 2014, 517, 36-53.	2.3	165
6	Computer-based Model for Flood Evacuation Emergency Planning. <i>Natural Hazards</i> , 2005, 34, 25-51.	1.6	164
7	Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. <i>Journal of Environmental Management</i> , 2013, 114, 261-275.	3.8	161
8	An Intelligent Decision Support System for Management of Floods. <i>Water Resources Management</i> , 2006, 20, 391-410.	1.9	160
9	Spatial System Dynamics: New Approach for Simulation of Water Resources Systems. <i>Journal of Computing in Civil Engineering</i> , 2004, 18, 331-340.	2.5	150
10	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. <i>Journal of Hydrology</i> , 2012, 430-431, 127-141.	2.3	127
11	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. <i>Water Resources Management</i> , 2013, 27, 3085-3101.	1.9	120
12	Evaluating Municipal Water Conservation Policies Using a Dynamic Simulation Model. <i>Water Resources Management</i> , 2010, 24, 3371-3395.	1.9	116
13	Evaluating Urban Storm-Water Infrastructure Design in Response to Projected Climate Change. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011, 16, 865-873.	0.8	113
14	The carbon footprint of water management policy options. <i>Energy Policy</i> , 2012, 42, 201-212.	4.2	109
15	Systems dynamic model to forecast salinity load to the Colorado River due to urbanization within the Las Vegas Valley. <i>Science of the Total Environment</i> , 2011, 409, 2616-2625.	3.9	105
16	Flood hazard assessment of Atrato River in Colombia. <i>Water Resources Management</i> , 2007, 21, 591-609.	1.9	103
17	An artificial neural network model for generating hydrograph from hydro-meteorological parameters. <i>Journal of Hydrology</i> , 2005, 315, 236-251.	2.3	102
18	Carbon footprint of water conveyance versus desalination as alternatives to expand water supply. <i>Desalination</i> , 2011, 280, 33-43.	4.0	98

#	ARTICLE	IF	CITATIONS
19	Increasing streamflow forecast lead time for snowmelt-driven catchment based on large-scale climate patterns. <i>Advances in Water Resources</i> , 2013, 53, 150-162.	1.7	96
20	Drought forecasting in a semi-arid watershed using climate signals: a neuro-fuzzy modeling approach. <i>Journal of Mountain Science</i> , 2014, 11, 1593-1605.	0.8	92
21	Evaluating the impact of water conservation on fate of outdoor water use: A study in an arid region. <i>Journal of Environmental Management</i> , 2011, 92, 2061-2068.	3.8	91
22	Using oceanic-atmospheric oscillations for long lead time streamflow forecasting. <i>Water Resources Research</i> , 2009, 45, .	1.7	87
23	Salinity reduction and energy conservation in direct and indirect potable water reuse. <i>Desalination</i> , 2011, 272, 120-127.	4.0	87
24	Using large-scale climatic patterns for improving long lead time streamflow forecasts for Gunnison and San Juan River Basins. <i>Hydrological Processes</i> , 2013, 27, 1543-1559.	1.1	81
25	Interconnections between oceanic-atmospheric indices and variability in the U.S. streamflow. <i>Journal of Hydrology</i> , 2015, 525, 724-736.	2.3	79
26	Evaluating changes and estimating seasonal precipitation for the Colorado River Basin using a stochastic nonparametric disaggregation technique. <i>Water Resources Research</i> , 2011, 47, .	1.7	78
27	Evaluating Water Conservation and Reuse Policies Using a Dynamic Water Balance Model. <i>Environmental Management</i> , 2013, 51, 449-458.	1.2	76
28	Estimating annual precipitation for the Colorado River Basin using oceanic-atmospheric oscillations. <i>Water Resources Research</i> , 2012, 48, .	1.7	74
29	Using path analysis to identify the influence of climatic factors on spring peak flow dominated by snowmelt in an alpine watershed. <i>Journal of Mountain Science</i> , 2014, 11, 990-1000.	0.8	68
30	Understanding the Effects of Climate Change on Urban Stormwater Infrastructures in the Las Vegas Valley. <i>Hydrology</i> , 2016, 3, 34.	1.3	68
31	Interconnections between oceanic-atmospheric indices and variability in the U.S. streamflow. <i>Journal of Hydrology</i> , 2015, 525, 724-736.	2.3	68
32	Limiting youth access to tobacco: Comparing the long-term health impacts of increasing cigarette excise taxes and raising the legal smoking age to 21 in the United States. <i>Health Policy</i> , 2007, 80, 378-391.	1.4	67
33	Estimation of Clark's Instantaneous Unit Hydrograph Parameters and Development of Direct Surface Runoff Hydrograph. <i>Water Resources Management</i> , 2009, 23, 2417-2435.	1.9	67
34	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 1031-1040.	0.8	65
35	Analyzing land and water requirements for solar deployment in the Southwestern United States. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3288-3305.	8.2	63
36	Water Quality Modeling of Mahabad Dam Watershed Reservoir System under Climate Change Conditions, Using SWAT and System Dynamics. <i>Water (Switzerland)</i> , 2019, 11, 394.	1.2	63

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37	Raising taxes to reduce smoking prevalence in the US: A simulation of the anticipated health and economic impacts. <i>Public Health</i> , 2008, 122, 3-10.	1.4	62
38	Relating TRMM precipitation radar land surface backscatter response to soil moisture in the Southern United States. <i>Journal of Hydrology</i> , 2011, 402, 115-125.	2.3	62
39	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015, 74, 2499-2510.	1.3	62
40	Pacific Ocean <sc>SST</sc> and <sc>Z<sub>500</sub></sc> climate variability and western U.S. seasonal streamflow. <i>International Journal of Climatology</i> , 2016, 36, 1515-1533.	1.5	62
41	Temperature and precipitation changes in the Midwestern United States: implications for water management. <i>International Journal of Water Resources Development</i> , 2017, 33, 1003-1019.	1.2	62
42	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions. <i>Journal of Arid Land</i> , 2018, 10, 68-83.	0.9	62
43	Relating surface backscatter response from TRMM precipitation radar to soil moisture: results over a semi-arid region. <i>Hydrology and Earth System Sciences</i> , 2010, 14, 193-204.	1.9	60
44	Integration of heuristic knowledge with analytical tools for the selection of flood damage reduction measures. <i>Canadian Journal of Civil Engineering</i> , 2001, 28, 208-221.	0.7	59
45	Wavelet-Aided Analysis to Estimate Seasonal Variability and Dominant Periodicities in Temperature, Precipitation, and Streamflow in the Midwestern United States. <i>Water Resources Management</i> , 2016, 30, 4649-4665.	1.9	58
46	Institutional Evolution in Lake Okeechobee Management in Florida: Characteristics, Impacts, and Limitations. <i>Water Resources Management</i> , 2008, 22, 699-718.	1.9	57
47	Wavelet analyses of western US streamflow with ENSO and PDO. <i>Journal of Water and Climate Change</i> , 2017, 8, 26-39.	1.2	56
48	Using Paleo Reconstructions to Improve Streamflow Forecast Lead Time in the Western <sc>United States</sc>. <i>Journal of the American Water Resources Association</i> , 2013, 49, 1351-1366.	1.0	55
49	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 59-75.	1.9	55
50	The AMA proposal to mandate nicotine reduction in cigarettes: a simulation of the population health impacts. <i>Preventive Medicine</i> , 2005, 40, 170-180.	1.6	53
51	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach. <i>Water Resources Management</i> , 2010, 24, 2971-2989.	1.9	53
52	Closing the youth access gap: The projected health benefits and cost savings of a national policy to raise the legal smoking age to 21 in the United States. <i>Health Policy</i> , 2005, 75, 74-84.	1.4	52
53	Identification of Streamflow Changes across the Continental United States Using Variable Record Lengths. <i>Hydrology</i> , 2016, 3, 24.	1.3	51
54	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for <i>Cryptosporidium</i> . <i>Water Research</i> , 2017, 119, 252-266.	5.3	51

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55	Increasing excise taxes on cigarettes in California: a dynamic simulation of health and economic impacts. <i>Preventive Medicine</i> , 2005, 41, 276-283.	1.6	50
56	Comparison of mosquito control programs in seven urban sites in Africa, the Middle East, and the Americas. <i>Health Policy</i> , 2007, 83, 196-212.	1.4	50
57	Relating TRMM Precipitation Radar backscatter to water stage in wetlands. <i>Journal of Hydrology</i> , 2011, 401, 240-249.	2.3	49
58	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. <i>Journal of Mountain Science</i> , 2017, 14, 1039-1057.	0.8	48
59	Federal policy mandating safer cigarettes: A hypothetical simulation of the anticipated population health gains or losses. <i>Journal of Policy Analysis and Management</i> , 2004, 23, 857-872.	1.1	45
60	Multi-Scale Correlation between the Western U.S. Snow Water Equivalent and ENSO/PDO Using Wavelet Analyses. <i>Water Resources Management</i> , 2017, 31, 2745-2759.	1.9	45
61	Effects of ENSO on Temperature, Precipitation, and Potential Evapotranspiration of North India's Monsoon: An Analysis of Trend and Entropy. <i>Water (Switzerland)</i> , 2019, 11, 189.	1.2	43
62	Modeling of GRACE-Derived Groundwater Information in the Colorado River Basin. <i>Hydrology</i> , 2019, 6, 19.	1.3	43
63	The Cost-Effectiveness of Raising the Legal Smoking Age in California. <i>Medical Decision Making</i> , 2005, 25, 330-340.	1.2	41
64	Hydro-climatological changes in the Colorado River Basin over a century. <i>Hydrological Sciences Journal</i> , 2017, 62, 2280-2296.	1.2	37
65	Evaluating Future Flood Scenarios Using CMIP5 Climate Projections. <i>Water (Switzerland)</i> , 2018, 10, 1866.	1.2	35
66	Performance assessment of artificial neural networks and support vector regression models for stream flow predictions. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 704.	1.3	34
67	Hydrologic responses to climate change using downscaled GCM data on a watershed scale. <i>Journal of Water and Climate Change</i> , 2019, 10, 63-77.	1.2	34
68	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. <i>Journal of Mountain Science</i> , 2016, 13, 614-632.	0.8	33
69	Estimating the Health Impacts of Tobacco Harm Reduction Policies: A Simulation Modeling Approach. <i>Risk Analysis</i> , 2005, 25, 801-812.	1.5	32
70	Coupling HEC-RAS and HEC-HMS in Precipitation Runoff Modelling and Evaluating Flood Plain Inundation Map. , 2017, , .		32
71	Spatiotemporal Variation in the Continental US Streamflow in Association with Large-Scale Climate Signals Across Multiple Spectral Bands. <i>Water Resources Management</i> , 2019, 33, 1947-1968.	1.9	32
72	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2019, 11, 499.	1.8	32

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73	An Analysis of Energy Consumption and the Use of Renewables for a Small Drinking Water Treatment Plant. <i>Water (Switzerland)</i> , 2020, 12, 28.	1.2	32
74	Estimation of Performance Indices for the Planning of Sustainable Transportation Systems. <i>Advances in Fuzzy Systems</i> , 2013, 2013, 1-13.	0.6	30
75	Equivalency of indirect and direct potable reuse paradigms based on a quantitative microbial risk assessment framework. <i>Microbial Risk Analysis</i> , 2019, 12, 60-75.	1.3	29
76	Urban evapotranspiration of green spaces in arid regions through two established approaches: a review of key drivers, advancements, limitations, and potential opportunities. <i>Urban Water Journal</i> , 2021, 18, 115-127.	1.0	28
77	Water -energy -carbon nexus approach for sustainable large-scale drinking water treatment operation. <i>Journal of Hydrology</i> , 2020, 587, 124953.	2.3	27
78	Identification of Critical Source Areas (CSAs) and Evaluation of Best Management Practices (BMPs) in Controlling Eutrophication in the Dez River Basin. <i>Environments - MDPI</i> , 2019, 6, 20.	1.5	25
79	Cumulative infiltration and infiltration rate prediction using optimized deep learning algorithms: A study in Western Iran. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100825.	1.0	24
80	Impervious Surfaces Mapping at City Scale by Fusion of Radar and Optical Data through a Random Forest Classifier. <i>Remote Sensing</i> , 2021, 13, 3040.	1.8	24
81	Integrating System Dynamics and Remote Sensing to Estimate Future Water Usage and Average Surface Runoff in Lagos, Nigeria. <i>Civil Engineering Journal (Iran)</i> , 2018, 4, 378.	1.2	24
82	Relationship between Ocean-Atmospheric Climate Variables and Regional Streamflow of the Conterminous United States. <i>Hydrology</i> , 2018, 5, 30.	1.3	23
83	Climatic variability of the Pacific and Atlantic Oceans and western US snowpack. <i>International Journal of Climatology</i> , 2018, 38, 1257-1269.	1.5	22
84	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. <i>Irrigation and Drainage</i> , 2014, 63, 315-327.	0.8	21
85	Cd induced biphasic response in soil alkaline phosphatase and changed soil bacterial community composition: The role of background Cd contamination and time as additional factors. <i>Science of the Total Environment</i> , 2021, 757, 143771.	3.9	21
86	Trend and abrupt change analysis in water quality of Urmia Lake in comparison with changes in lake water level. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 623.	1.3	20
87	Fusion of Sentinel-1 and Sentinel-2 data in mapping the impervious surfaces at city scale. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 556.	1.3	20
88	Development of Threshold Levels and a Climate-Sensitivity Model of the Hydrological Regime of the High-Altitude Catchment of the Western Himalayas, Pakistan. <i>Water (Switzerland)</i> , 2019, 11, 1454.	1.2	19
89	Effect of land use change on summertime surface temperature, albedo, and evapotranspiration in Las Vegas Valley. <i>Urban Climate</i> , 2021, 39, 100966.	2.4	19
90	2D Unsteady Flow Routing and Flood Inundation Mapping for Lower Region of Brazos River Watershed. , 2017, , .		16

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91	Application of HEC-RAS to Study the Sediment Transport Characteristics of Maumee River in Ohio. , 2019, , .		16
92	CMIP5 Models' Ability to Capture Observed Trends under the Influence of Shifts and Persistence: An In-Depth Study on the Colorado River Basin. Journal of Applied Meteorology and Climatology, 2019, 58, 1677-1688.	0.6	16
93	Bringing statistical learning machines together for hydro-climatological predictions - Case study for Sacramento San Joaquin River Basin, California. Journal of Hydrology: Regional Studies, 2020, 27, 100651.	1.0	16
94	Land Surface Brightness Temperature Modeling Using Solar Insolation. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 491-498.	2.7	15
95	Variation in soil nutrients in grasslands along the Kunes River in Xinjiang, China. Chemistry and Ecology, 2015, 31, 111-122.	0.6	15
96	Spatiotemporal dynamics assessment of snow cover to infer snowline elevation mobility in the mountainous regions. Cold Regions Science and Technology, 2019, 167, 102870.	1.6	15
97	Evaluating Irrigation Performance and Water Productivity Using EETFlux ET and NDVI. Sustainability, 2021, 13, 7967.	1.6	14
98	Design Aspects, Energy Consumption Evaluation, and Offset for Drinking Water Treatment Operation. Water (Switzerland), 2020, 12, 1772.	1.2	13
99	Flood Hazard Assessment for the Tori Levee Breach of the Indus River Basin, Pakistan. Water (Switzerland), 2021, 13, 604.	1.2	13
100	Rainfall-Runoff Simulation Using Climate Change Based Precipitation Prediction in HEC-HMS Model for Irwin Creek, Charlotte, North Carolina. , 2018, , .		12
101	Flood Frequency Analysis Using Generalized Extreme Value Distribution and Floodplain Mapping for Hurricane Harvey in Buffalo Bayou. , 2018, , .		12
102	The Impact of Advanced Treatment Technologies on the Energy Use in Satellite Water Reuse Plants. Water (Switzerland), 2020, 12, 366.	1.2	12
103	2D Hydrodynamic Model for Flood Vulnerability Assessment of Lower Indus River Basin, Pakistan. , 2018, , .		11
104	Evaluating the sustainability of indirect potable reuse and direct potable reuse: a southern Nevada case study. AWWA Water Science, 2019, 1, e1153.	1.0	11
105	MELPF version 1: Modeling Error Learning based Post-Processor Framework for Hydrologic Models Accuracy Improvement. Geoscientific Model Development, 2019, 12, 4115-4131.	1.3	11
106	Flow-Induced Stresses and Displacements in Jointed Concrete Pipes Installed by Pipe Jacking Method. Fluids, 2019, 4, 34.	0.8	11
107	A dynamic quantitative microbial risk assessment for norovirus in potable reuse systems. Microbial Risk Analysis, 2020, 14, 100088.	1.3	11
108	Rainfall-Runoff Simulation in Cache River Basin, Illinois, Using HEC-HMS. , 2019, , .		10

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109	Toluene induces hormetic response of soil alkaline phosphatase and the potential enzyme kinetic mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111123.	2.9	10
110	The association between distance to water pipes and water bodies positive for anopheline mosquitoes (Diptera: Culicidae) in the urban community of Malindi, Kenya. <i>Journal of Vector Ecology</i> , 2007, 32, 319.	0.5	9
111	Response of Climate Change on Urban Watersheds: A Case Study for Las Vegas, NV. , 2017, , .		9
112	Understanding the summertime warming in canyon and non-canyon surfaces. <i>Urban Climate</i> , 2021, 38, 100916.	2.4	9
113	Modeling Dynamic Processes in Space and Time – A Spatial System Dynamics Approach. , 2001, , 1.		8
114	Flood Risk Assessment Using the Updated FEMA Floodplain Standard in the Ellicott City, Maryland, United States. , 2017, , .		8
115	Using Distributed Solar for Treatment of Drinking Water in Developing Countries. , 2017, , .		8
116	Analysis of Changes in Surface Energy Fluxes Due to Urbanization in Las Vegas. , 2019, , .		8
117	Multi-Scale Correlation between the Western U.S. Snow Water Equivalent and ENSO/PDO Using Wavelet Analyses. , 2017, 31, 2745.		8
118	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. , 2017, 14, 1039.		7
119	Distributed Hydrological Modeling for a Snow Dominant Watershed Using a Precipitation and Runoff Modeling System. , 2015, , .		6
120	Investigating management of Irrigation Water in the Upstream Control System of the Upper Swat Canal. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2018, 42, 153-164.	1.0	6
121	Water Sharing, Governance, and Management among the Provinces in Pakistan Using Evidence-Based Decision Support System. , 2018, , .		6
122	System Archetypes in Water Resource Management. , 2018, , .		6
123	Temperature and precipitation changes in the Midwestern United States: implications for water management. , 0, .		6
124	Investigating the Effect of Managing Scenarios of Flow Reduction and Increasing Irrigation Water Demand on Water Resources Allocation Using System Dynamics (Case Study: Zonouz Dam, Iran). <i>Journal of Tekirdag Agricultural Faculty</i> , 2020, 17, 406-421.	0.2	6
125	Developing Runoff Hydrograph using Artificial Neural Networks. , 2001, , 1.		5
126	Modeling Human Behavior for Evacuation Planning: A System Dynamics Approach. , 2001, , 1.		5



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127	Total Dissolved Solids Contribution to the Colorado River Associated with the Growth of Las Vegas Valley. , 2010, , .		5
128	Improving Streamflow Reconstructions Using Oceanic-Atmospheric Climate Variability. , 2014, , .		5
129	Effects of Soil Data Resolution on the Simulated Stream Flow and Water Quality: Application of Watershed-Based SWAT Model. , 2018, , .		5
130	Sustainable Desalination of Brackish Groundwater for the Las Vegas Valley. , 2018, , .		5
131	Flood Damage Reduction in Urban Areas with Use of Low Impact Development Designs. , 2018, , .		5
132	Hydro-climatological changes in the Colorado River Basin over a century. , 0, .		5
133	Losing the Lake: Simulations to Promote Gains in Student Knowledge and Interest about Climate Change. , 2016, , .		5
134	Monitoring of Total Dissolved Solids Using Remote Sensing Band Reflectance and Salinity Indices: A Case Study of the Imperial County Section, AZ-CA, of the Colorado River. , 2022, , .		5
135	Insights into Reconstructing Sacramento River Flow Using Tree Rings and Pacific Ocean Climate Variability. , 2015, , .		4
136	Analysis of Water Availability and Use for Solar Power Production in Nevada. , 2016, , .		4
137	Role of Low Impact Development in the Attenuation of Flood Flows in Urban Areas. , 2016, , .		4
138	Precipitation and Indian Ocean Climate Variabilityâ€™A Case Study on Pakistan. , 2017, , .		4
139	Using Wavelet to Analyze Periodicities in Hydrologic Variables. , 2017, , .		4
140	Evaluating the Feasibility of Photovoltaic-Based Plant for Potable Water Treatment. , 2017, , .		4
141	Reservoir Regulations of the Indus River Basin under Different Flow Conditions. , 2018, , .		4
142	Application of GIS and Remote Sensing for Identification of Potential Runoff Harvesting Sites: A Case Study of Karoonjhar Mountainous Area, Pakistan. , 2018, , .		4
143	Impacts of Urban Development on Flooding: A Case Study of Flamingo and Tropicana Watershed, Clark County. , 2020, , .		4
144	Renewable Energy Generation and GHG Emission Reduction Potential of a Satellite Water Reuse Plant by Using Solar Photovoltaics and Anaerobic Digestion. Water (Switzerland), 2021, 13, 635.	1.2	4

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145	Assessing Spatiotemporal Change in Land Cover and Total Dissolved Solids Concentration Using Remote Sensing Data. , 2021, , .		4
146	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions. , 2018, 10, 68.		4
147	Assessing the Microclimate Effects and Irrigation Water Requirements of Mesic, Oasis, and Xeric Landscapes. Hydrology, 2022, 9, 104.	1.3	4
148	Modeling Floodplain Inundation for Monument Creek, Colorado. , 2016, , .		3
149	A Conceptualized Groundwater Flow Model Development for Integration with Surface Hydrology Model. , 2017, , .		3
150	Financial Management of a Hypothetical Water Network Using System Dynamics. , 2018, , .		3
151	Utilizing Civil Geo-HECRAS Capabilities for Floodplain Mapping of Colorado River in Texas during Hurricane Harvey. , 2018, , .		3
152	Using Solar and Wind Energy for Water Treatment in the Southwest. , 2019, , .		3
153	Using SWAT to Simulate Streamflow in Trinity River Basin, Texas, USA. , 2019, , .		3
154	Urban Runoff and Pollutant Reduction by Retrofitting Green Infrastructure in Storm Water Management System. , 2019, , .		3
155	Pacific Ocean SST and Z500 climate variability and western U.S. seasonal streamflow. , 2016, 36, 1515.		3
156	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. , 2016, 30, 59.		3
157	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach. , 2010, 24, 2971.		3
158	Wavelet-Aided Analysis to Estimate Seasonal Variability and Dominant Periodicities in Temperature, Precipitation, and Streamflow in the Midwestern United States. , 2016, 30, 4649.		3
159	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. , 2016, 13, 614.		3
160	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. , 2015, 74, 2499.		3
161	Analysis of Changes in Runoff Due to Land Cover Change. , 2020, , .		3
162	Using Proxy Reconstructions for Streamflow Forecasting. , 2011, , .		2

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163	Relating Temperature Trends to Urban Change and NDVI in Las Vegas. , 2014, , .		2
164	A Real-time Web-based Wildfire Simulation System. , 2016, , .		2
165	Streamflow Pattern Variations Resulting from Future Climate Change in Middle Tianshan Mountains Region in China. , 2017, , .		2
166	Dynamic Simulation of Lake Mead Water Levels in Response to Climate Change and Varying Demands. , 2018, , .		2
167	Impact of Precipitation and Agricultural Productivity on Groundwater Storage in Rahim Yar Khan District, Pakistan. , 2019, , .		2
168	Analysis of Suspended Material in Lake Mead Using Remote Sensing Indices. , 2021, , .		2
169	Interconnections between oceanicâ€“atmospheric indices and variability in the U.S. streamflow. , 2015, 525, 724-724.		2
170	Incorporating Pacific Ocean climate information to enhance the tree-ring-based streamflow reconstruction skill. Journal of Water and Climate Change, 2021, 12, 1891-1909.	1.2	2
171	Higher Education Capacity Building in Water Resources Engineering and Management to Support Achieving the Sustainable Development Goal for Water in Pakistan. , 0, , .		2
172	Effect of Spatial and Temporal Variability of Antecedent Moisture Content on Model-Generated Runoff from an Arid Watershed. , 2011, , .		1
173	Investigation of the Linkages between Oceanic Atmospheric Variability and Continental U.S. Streamflow. , 2014, , .		1
174	Patterns and Periodicities of the Continental U.S. Streamflow Change. , 2016, , .		1
175	Study of Lehman Creek Watershedâ€™s Hydrologic Response to Climate Change Using Downscaled CMIP5 Projections. , 2016, , .		1
176	Analyzing Long-Term Changes in Precipitation and Temperature in the Midwest United States. , 2016, , .		1
177	Ice-Cover and Jamming Effects on Inline Structures and Upstream Water Levels. , 2017, , .		1
178	Exploring CCHE2D and Its Sediment Modelling Capabilities. , 2018, , .		1
179	A Dynamic Simulation Approach to Analyze Hydro-Electric Energy Production under Variable Flow and Demand Conditions. , 2018, , .		1
180	Effect of Building Shade on Evapotranspiration in Las Vegas Valley. , 2020, , .		1

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181	Studying the Intra-Annual Variability in Surface Area and Volume of Salton Sea, California, Using Remote Sensing-Based Water Indices and GIS. , 2021, , .		1
182	Variation in soil nutrients in grasslands along the Kunes River in Xinjiang, China. , 0, .		1
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