

Sajjad Ahmad

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169
papers

4,809
citations

42
h-index

65
g-index

219
ext. papers

6,074
ext. citations

3.9
avg, IF

6.26
L-index

#	Paper	IF	Citations
169	Support Vector Machine Applications in Water and Environmental Sciences. <i>Studies in Computational Intelligence</i> , 2022 , 291-310	0.7	
168	The Effect of Climate Change on Water Resources. <i>Springer Water</i> , 2022 , 95-118	0.3	
167	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	10.1	11
166	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	2.2	12
165	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	3.5	5
164	Understanding the summertime warming in canyon and non-canyon surfaces. <i>Urban Climate</i> , 2021 , 38, 100916	6.7	3
163	Evaluating Irrigation Performance and Water Productivity Using EEF _{Flux} ET and NDVI. <i>Sustainability</i> , 2021 , 13, 7967	3.5	2
162	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	3.1	3
161	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	4.8	4
160	Flood Hazard Assessment for the Tori Levee Breach of the Indus River Basin, Pakistan. <i>Water (Switzerland)</i> , 2021 , 13, 604	3	5
159	Renewable Energy Generation and GHG Emission Reduction Potential of a Satellite Water Reuse Plant by Using Solar Photovoltaics and Anaerobic Digestion. <i>Water (Switzerland)</i> , 2021 , 13, 635	3	1
158	Effect of land use change on summertime surface temperature, albedo, and evapotranspiration in Las Vegas Valley. <i>Urban Climate</i> , 2021 , 39, 100966	6.7	1
157	System Dynamics Approach for Water Resources Systems Analysis. <i>Springer Water</i> , 2021 , 153-176	0.3	
156	Incorporating Pacific Ocean climate information to enhance the tree-ring-based streamflow reconstruction skill. <i>Journal of Water and Climate Change</i> , 2021 , 12, 1891-1909	2.3	
155	A dynamic quantitative microbial risk assessment for norovirus in potable reuse systems. <i>Microbial Risk Analysis</i> , 2020 , 14, 100088	1.6	9
154	Bringing statistical learning machines together for hydro-climatological predictions - Case study for Sacramento San Joaquin River Basin, California. <i>Journal of Hydrology: Regional Studies</i> , 2020 , 27, 100651	3.5	11
153	Toluene induces hormetic response of soil alkaline phosphatase and the potential enzyme kinetic mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 206, 111123	6.9	5

152	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	3.1	6
151	The Impact of Advanced Treatment Technologies on the Energy Use in Satellite Water Reuse Plants. <i>Water (Switzerland)</i> , 2020 , 12, 366	3	6
150	Design Aspects, Energy Consumption Evaluation, and Offset for Drinking Water Treatment Operation. <i>Water (Switzerland)</i> , 2020 , 12, 1772	3	2
149	An Analysis of Energy Consumption and the Use of Renewables for a Small Drinking Water Treatment Plant. <i>Water (Switzerland)</i> , 2020 , 12, 28	3	10
148	Water -energy -carbon nexus approach for sustainable large-scale drinking water treatment operation. <i>Journal of Hydrology</i> , 2020 , 587, 124953	5.9	9
147	Evaluating the sustainability of indirect potable reuse and direct potable reuse: a southern Nevada case study. <i>AWWA Water Science</i> , 2019 , 1, e1153	1.5	5
146	MELPF version 1: Modeling Error Learning based Post-Processor Framework for Hydrologic Models Accuracy Improvement. <i>Geoscientific Model Development</i> , 2019 , 12, 4115-4131	6.2	4
145	Using SWAT to Simulate Streamflow in Trinity River Basin, Texas, USA 2019 ,		2
144	Rainfall-Runoff Simulation in Cache River Basin, Illinois, Using HEC-HMS 2019 ,		5
143	Spatiotemporal dynamics assessment of snow cover to infer snowline elevation mobility in the mountainous regions. <i>Cold Regions Science and Technology</i> , 2019 , 167, 102870	3.7	7
142	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	1.6	19
141	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	3	22
140	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	3.7	19
139	Using Solar and Wind Energy for Water Treatment in the Southwest 2019 ,		1
138	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	3	9
137	Application of HEC-RAS to Study the Sediment Transport Characteristics of Maumee River in Ohio 2019 ,		4
136	CMIP5 Models' Ability to Capture Observed Trends under the Influence of Shifts and Persistence: An In-Depth Study on the Colorado River Basin. <i>Journal of Applied Meteorology and Climatology</i> , 2019 , 58, 1677-1688	2.6	8
135	Flow-Induced Stresses and Displacements in Jointed Concrete Pipes Installed by Pipe Jacking Method. <i>Fluids</i> , 2019 , 4, 34	1.6	4

134	Changes in Snow Phenology from 1979 to 2016 over the Tianshan Mountains, Central Asia. <i>Remote Sensing</i> , 2019 , 11, 499	4.8	15
133	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	3.2	14
132	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	3	25
131	Modeling of GRACE-Derived Groundwater Information in the Colorado River Basin. <i>Hydrology</i> , 2019 , 6, 19	2.8	24
130	Urban Runoff and Pollutant Reduction by Retrofitting Green Infrastructure in Storm Water Management System 2019 ,		1
129	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	2.3	15
128	Relating Urbanization and Irrigation Water Demand in Gujranwala District of Pakistan 2019 ,		1
127	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions. <i>Journal of Arid Land</i> , 2018 , 10, 68-83	2.2	38
126	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	1.1	3
125	Rainfall-Runoff Simulation Using Climate Change Based Precipitation Prediction in HEC-HMS Model for Irwin Creek, Charlotte, North Carolina 2018 ,		6
124	Exploring CCHE2D and Its Sediment Modelling Capabilities 2018 ,		1
123	Dynamic Simulation of Lake Mead Water Levels in Response to Climate Change and Varying Demands 2018 ,		1
122	2D Hydrodynamic Model for Flood Vulnerability Assessment of Lower Indus River Basin, Pakistan 2018 ,		1
121	Relationship between Ocean-Atmospheric Climate Variables and Regional Streamflow of the Conterminous United States. <i>Hydrology</i> , 2018 , 5, 30	2.8	13
120	A Dynamic Simulation Approach to Analyze Hydro-Electric Energy Production under Variable Flow and Demand Conditions 2018 ,		1
119	System Archetypes in Water Resource Management 2018 ,		3
118	Flood Frequency Analysis Using Generalized Extreme Value Distribution and Floodplain Mapping for Hurricane Harvey in Buffalo Bayou 2018 ,		5
117	Application of GIS and Remote Sensing for Identification of Potential Runoff Harvesting Sites: A Case Study of Karoonjhar Mountainous Area, Pakistan 2018 ,		1

116	Climatic variability of the Pacific and Atlantic Oceans and western US snowpack. <i>International Journal of Climatology</i> , 2018 , 38, 1257-1269	3.5	16
115	Analyzing land and water requirements for solar deployment in the Southwestern United States. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 3288-3305	16	41
114	Effects of Soil Data Resolution on the Simulated Stream Flow and Water Quality: Application of Watershed-Based SWAT Model 2018 ,		2
113	Water Sharing, Governance, and Management among the Provinces in Pakistan Using Evidence-Based Decision Support System 2018 ,		1
112	Financial Management of a Hypothetical Water Network Using System Dynamics 2018 ,		2
111	Sustainable Desalination of Brackish Groundwater for the Las Vegas Valley 2018 ,		3
110	Performance assessment of artificial neural networks and support vector regression models for stream flow predictions. <i>Environmental Monitoring and Assessment</i> , 2018 , 190, 704	3.1	23
109	Evaluating Future Flood Scenarios Using CMIP5 Climate Projections. <i>Water (Switzerland)</i> , 2018 , 10, 18663		18
108	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions 2018 , 10, 68		3
107	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	4	16
106	Evaluating the Feasibility of Photovoltaic-Based Plant for Potable Water Treatment 2017 ,		4
105	Hydro-climatological changes in the Colorado River Basin over a century. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2280-2296	3.5	15
104	2D Unsteady Flow Routing and Flood Inundation Mapping for Lower Region of Brazos River Watershed 2017 ,		2
103	A Conceptualized Groundwater Flow Model Development for Integration with Surface Hydrology Model 2017 ,		3
102	Flood Risk Assessment Using the Updated FEMA Floodplain Standard in the Ellicott City, Maryland, United States 2017 ,		2
101	Using Distributed Solar for Treatment of Drinking Water in Developing Countries 2017 ,		6
100	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	2	27
99	Using Wavelet to Analyze Periodicities in Hydrologic Variables 2017 ,		2

98	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	2.9	39
97	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	3.7	26
96	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for Cryptosporidium. <i>Water Research</i> , 2017 , 119, 252-266	12.4	37
95	Response of Climate Change on Urban Watersheds: A Case Study for Las Vegas, NV 2017 ,		4
94	Coupling HEC-RAS and HEC-HMS in Precipitation Runoff Modelling and Evaluating Flood Plain Inundation Map 2017 ,		21
93	Wavelet analyses of western US streamflow with ENSO and PDO. <i>Journal of Water and Climate Change</i> , 2017 , 8, 26-39	2.3	41
92	Multi-Scale Correlation between the Western U.S. Snow Water Equivalent and ENSO/PDO Using Wavelet Analyses 2017 , 31, 2745		7
91	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China 2017 , 14, 1039		5
90	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	3.7	34
89	Analyzing Long-Term Changes in Precipitation and Temperature in the Midwest United States 2016 ,		1
88	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States. <i>Journal of Mountain Science</i> , 2016 , 13, 614-632	2	25
87	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	3.4	36
86	Identification of Streamflow Changes across the Continental United States Using Variable Record Lengths. <i>Hydrology</i> , 2016 , 3, 24	2.8	38
85	Understanding the Effects of Climate Change on Urban Stormwater Infrastructures in the Las Vegas Valley. <i>Hydrology</i> , 2016 , 3, 34	2.8	31
84	Pacific Ocean SST and Z500 climate variability and western U.S. seasonal streamflow. <i>International Journal of Climatology</i> , 2016 , 36, 1515-1533	3.5	46
83	Analysis of Water Availability and Use for Solar Power Production in Nevada 2016 ,		3
82	A Real-time Web-based Wildfire Simulation System 2016 ,		2
81	Patterns and Periodicities of the Continental U.S. Streamflow Change 2016 ,		1

80	Modeling Floodplain Inundation for Monument Creek, Colorado 2016 ,			3
79	Study of Lehman Creek Watershed's Hydrologic Response to Climate Change Using Downscaled CMIP5 Projections 2016 ,			1
78	Role of Low Impact Development in the Attenuation of Flood Flows in Urban Areas 2016 ,			4
77	Pacific Ocean SST and Z500 climate variability and western U.S. seasonal streamflow 2016 , 36, 1515			2
76	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin 2016 , 30, 59			3
75	Wavelet-Aided Analysis to Estimate Seasonal Variability and Dominant Periodicities in Temperature, Precipitation, and Streamflow in the Midwestern United States 2016 , 30, 4649			1
74	Long-range precipitation forecasts using paleoclimate reconstructions in the western United States 2016 , 13, 614			3
73	Interconnections between oceanic-atmospheric indices and variability in the U.S. streamflow. <i>Journal of Hydrology</i> , 2015 , 525, 724-736	5.9		54
72	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <i>Environmental Earth Sciences</i> , 2015 , 74, 2499-2510	2.8		42
71	Variation in soil nutrients in grasslands along the Kunes River in Xinjiang, China. <i>Chemistry and Ecology</i> , 2015 , 31, 111-122	2.3		10
70	Distributed Hydrological Modeling for a Snow Dominant Watershed Using a Precipitation and Runoff Modeling System 2015 ,			3
69	Insights into Reconstructing Sacramento River Flow Using Tree Rings and Pacific Ocean Climate Variability 2015 ,			4
68				
67	Interconnections between oceanic-atmospheric indices and variability in the U.S. streamflow. <i>Journal of Hydrology</i> , 2015 , 525, 724-736	5.9		48
66	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China 2015 , 74, 2499			1
65	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. <i>Irrigation and Drainage</i> , 2014 , 63, 315-327	1.1		11
64	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	2		66
63	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	5.9		116

62	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	2	47
61	Relating Temperature Trends to Urban Change and NDVI in Las Vegas 2014 ,		2
60	Improving Streamflow Reconstructions Using Oceanic-Atmospheric Climate Variability 2014 ,		4
59	Investigation of the Linkages between Oceanic Atmospheric Variability and Continental U.S. Streamflow 2014 ,		1
58	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	3.7	85
57	Using Paleo Reconstructions to Improve Streamflow Forecast Lead Time in the Western United States. <i>Journal of the American Water Resources Association</i> , 2013 , 49, 1351-1366	2.1	35
56	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, 261-75	7.8	115
55	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	3.2	56
54	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	4.6	65
53	Evaluating water conservation and reuse policies using a dynamic water balance model. <i>Environmental Management</i> , 2013 , 51, 449-58	3	56
52	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	1.8	51
51	Estimation of Performance Indices for the Planning of Sustainable Transportation Systems. <i>Advances in Fuzzy Systems</i> , 2013 , 2013, 1-13	1.7	19
50	Estimating annual precipitation for the Colorado River Basin using oceanic-atmospheric oscillations. <i>Water Resources Research</i> , 2012 , 48,	5.3	51
49	Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems. <i>Water Resources Management</i> , 2012 , 26, 2421-2442	3.7	185
48	The carbon footprint of water management policy options. <i>Energy Policy</i> , 2012 , 42, 201-212	7.1	78
47	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. <i>Journal of Hydrology</i> , 2012 , 430-431, 127-141	5.9	90
46	Using Proxy Reconstructions for Streamflow Forecasting 2011 ,		1
45	Relating TRMM Precipitation Radar backscatter to water stage in wetlands. <i>Journal of Hydrology</i> , 2011 , 401, 240-249	5.9	29

44	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	5.9	43
43	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, 2616-25	10.1	76
42	Carbon footprint of water conveyance versus desalination as alternatives to expand water supply. <i>Desalination</i> , 2011 , 280, 33-43	10.2	77
41	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, 2061-8	7.8	72
40	Evaluating Urban Storm-Water Infrastructure Design in Response to Projected Climate Change. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 865-873	1.8	78
39	Suspended sediment load prediction of river systems: An artificial neural network approach. <i>Agricultural Water Management</i> , 2011 , 98, 855-866	5.8	185
38	Evaluating changes and estimating seasonal precipitation for the Colorado River Basin using a stochastic nonparametric disaggregation technique. <i>Water Resources Research</i> , 2011 , 47,	5.3	58
37	Salinity reduction and energy conservation in direct and indirect potable water reuse. <i>Desalination</i> , 2011 , 272, 120-127	10.2	65
36	Land Surface Brightness Temperature Modeling Using Solar Insolation. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010 , 48, 491-498	7.4	9
35	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach. <i>Water Resources Management</i> , 2010 , 24, 2971-2989	3.7	36
34	Evaluating Municipal Water Conservation Policies Using a Dynamic Simulation Model. <i>Water Resources Management</i> , 2010 , 24, 3371-3395	3.7	94
33	Estimating soil moisture using remote sensing data: A machine learning approach. <i>Advances in Water Resources</i> , 2010 , 33, 69-80	4.6	243
32	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	5.5	44
31	Estimation of a Unique Pair of Nash Model Parameters: An Optimization Approach 2010 , 24, 2971		2
30	Estimation of Clark's Instantaneous Unit Hydrograph Parameters and Development of Direct Surface Runoff Hydrograph. <i>Water Resources Management</i> , 2009 , 23, 2417-2435	3.7	52
29	Using oceanic-atmospheric oscillations for long lead time streamflow forecasting. <i>Water Resources Research</i> , 2009 , 45,	5.3	69
28	Institutional Evolution in Lake Okeechobee Management in Florida: Characteristics, Impacts, and Limitations. <i>Water Resources Management</i> , 2008 , 22, 699-718	3.7	44
27	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	3.9	56

26	INDIRECT POTABLE WATER REUSE: AN ALTERNATIVE FOR WATER QUALITY MANAGEMENT IN THE LAS VEGAS VALLEY. <i>Proceedings of the Water Environment Federation</i> , 2007 , 2007, 2708-2718		1
25	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, 319-27	1.4	7
24	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, 378-91	3.1	56
23	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	3.1	32
22	Flood hazard assessment of Atrato River in Colombia. <i>Water Resources Management</i> , 2007 , 21, 591-609	3.7	73
21	An Intelligent Decision Support System for Management of Floods. <i>Water Resources Management</i> , 2006 , 20, 391-410	3.7	134
20	The cost-effectiveness of raising the legal smoking age in California. <i>Medical Decision Making</i> , 2005 , 25, 330-40	2.5	35
19	Estimating the health impacts of tobacco harm reduction policies: a simulation modeling approach. <i>Risk Analysis</i> , 2005 , 25, 801-12	3.8	30
18	An artificial neural network model for generating hydrograph from hydro-meteorological parameters. <i>Journal of Hydrology</i> , 2005 , 315, 236-251	5.9	84
17	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	3.1	38
16	The AMA proposal to mandate nicotine reduction in cigarettes: a simulation of the population health impacts. <i>Preventive Medicine</i> , 2005 , 40, 170-80	4.1	50
15	Increasing excise taxes on cigarettes in California: a dynamic simulation of health and economic impacts. <i>Preventive Medicine</i> , 2005 , 41, 276-83	4.1	45
14	Computer-based Model for Flood Evacuation Emergency Planning. <i>Natural Hazards</i> , 2005 , 34, 25-51	2.9	130
13	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, 857-72	2.6	42
12	Spatial System Dynamics: New Approach for Simulation of Water Resources Systems. <i>Journal of Computing in Civil Engineering</i> , 2004 , 18, 331-340	4.9	118
11	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	1.3	41
10	Developing Runoff Hydrograph using Artificial Neural Networks 2001 , 1		3
9	Modeling Human Behavior for Evacuation Planning: A System Dynamics Approach 2001 , 1		4

8	Modeling Dynamic Processes in Space and Time -- A Spatial System Dynamics Approach 2001 , 1		8
7	System Dynamics Modeling of Reservoir Operations for Flood Management. <i>Journal of Computing in Civil Engineering</i> , 2000 , 14, 190-198	4-9	171
6	Hydro-climatological changes in the Colorado River Basin over a century		5
5	Variation in soil nutrients in grasslands along the Kunes River in Xinjiang, China		0
4	Temperature and precipitation changes in the Midwestern United States: implications for water management		4
3	Watershed-Scale Surface Runoff and Water Quality Response to Climate Change, Urbanization, and Implementation of LIDs		1
2	Identification of Critical Source Areas (CSAs) and Evaluation of Best Management Practices (BMPs) in Controlling Eutrophication in Dez River Basin		2
1	Higher Education Capacity Building in Water Resources Engineering and Management to Support Achieving the Sustainable Development Goal for Water in Pakistan		1