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Spatial System Dynamics: New Approach for Simulation of Water Resources Systems

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131	Grey Water Use as a Water Management Option in Las Vegas, Nevada. 2008,		
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126	Total Dissolved Solids Contribution to the Colorado River Associated with the Growth of Las Vegas Valley. 2010,		
125	Evaluating Conservation Potential in Agricultural and Municipal Water Use in South Florida.. 2010,		
124	An Operational Model for Support of Integrated Watershed Management. 2010, 24, 1161-1194		35
123	Evaluating Municipal Water Conservation Policies Using a Dynamic Simulation Model. 2010, 24, 3371-3395		97
122	Use of system dynamics as a decision-making tool in building design and operation. 2010, 45, 1006-1015		61
121	Coastal vulnerability to Sea Level Rise: A spatio-temporal decision making tool. 2010,		3

120	Salinity reduction and energy conservation in direct and indirect potable water reuse. 2011 , 272, 120-127		66
119	Systems dynamic model to forecast salinity load to the Colorado River due to urbanization within the Las Vegas Valley. 2011 , 409, 2616-25		76
118	Carbon footprint of water conveyance versus desalination as alternatives to expand water supply. 2011 , 280, 33-43		77
117	Theoretical considerations on the combined use of System Dynamics and individual-based modeling in ecology. 2011 , 222, 210-218		62
116	SD-GIS-based temporal-spatial simulation of water quality in sudden water pollution accidents. 2011 , 37, 874-882		37
115	Water resources planning and management based on system dynamics: a case study of Yulin city. 2011 , 13, 331-351		39
114	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	7.9	73
113	Global water resources modeling with an integrated model of the social-economic-environmental system. 2011 , 34, 684-700		159
112	Development of a Complex System Dynamic Eutrophication Model: Application to Karkheh Reservoir. 2012 , 29, 373-385		17
111	Estimating annual precipitation for the Colorado River Basin using oceanic-atmospheric oscillations. 2012 , 48,		51
110	Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems. 2012 , 26, 2421-2442		193
109	Combining system dynamics model, GIS and 3D visualization in sustainability assessment of urban residential development. 2012 , 47, 272-287		108
108	The carbon footprint of water management policy options. 2012 , 42, 201-212		79
107	System dynamics modeling for complex urban water systems: Application to the city of Tabriz, Iran. 2012 , 60, 99-106		77
106	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. <i>Journal of Hydrology</i> , 2012 , 430-431, 127-141	6	92
105	Using large-scale climatic patterns for improving long lead time streamflow forecasts for Gunnison and San Juan River Basins. 2013 , 27, 1543-1559		56
104	Increasing streamflow forecast lead time for snowmelt-driven catchment based on large-scale climate patterns. 2013 , 53, 150-162		67
103	Evaluating water conservation and reuse policies using a dynamic water balance model. 2013 , 51, 449-58		57

102	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. 2013 , 27, 3085-3101		86
101	Rainfall-runoff Modeling in a Watershed Scale Using an Object Oriented Approach Based on the Concepts of System Dynamics. 2013 , 27, 5119		12
100	Water transfer as a solution to water shortage: A fix that can Backfire. <i>Journal of Hydrology</i> , 2013 , 491, 23-39	6	183
99	Using Paleo Reconstructions to Improve Streamflow Forecast Lead Time in the Western United States. 2013 , 49, 1351-1366		35
98	A spatial temporal decision framework for adaptation to sea level rise. <i>Environmental Modelling and Software</i> , 2013 , 46, 129-141	5.2	27
97	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	7.9	117
96	Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. 2013 , 18, 1031-1040		52
95	Optimum management of cyclic storage systems: A simulation optimization approach. 2013 , 105, E671-E683		2
94	A System Dynamics Model to Conserve Arid Region Water Resources through Aquifer Storage and Recovery in Conjunction with a Dam. <i>Water (Switzerland)</i> , 2014 , 6, 2300-2321	3	33
93	Conjunctive Use of Surface and Groundwater Resources Using System Dynamics Approach: Case Study of Namroud Dam. 2014 ,		
92	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. 2014 , 63, 315-327		11
91	An innovative technique for modelling impacts of coastal storm damage. 2014 , 1, 240-247		6
90	Climate change and water resources management in Tuwei river basin of Northwest China. 2014 , 19, 107-120		35
89	Dynamic modeling of the quantitative risk allocation in construction projects. 2014 , 32, 442-451		71
88	Coastal vulnerability to sea-level rise: a spatial-temporal assessment framework. 2014 , 70, 395-414		28
87	Natural hazard chain research in China: A review. 2014 , 70, 1631-1659		32
86	Power Generation Simulation of a Hydropower Reservoir System Using System Dynamics: Case Study of Karoon Reservoir System. 2014 , 140, 04014003		9
85	Using System Dynamics Method to Determine the Effect of Water Demand Priorities on Downstream Flow. 2014 , 28, 5055-5072		18

84	Developing Strategies for Urban Flood Management of Tehran City Using SMCDM and ANN. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 05014006	5	28
83	The Invitational Drought Tournament: What is it and why is it a useful tool for drought preparedness and adaptation?. 2014 , 3, 107-116		23
82	Integrating the empirical models of benchmark land price and GIS technology for sustainability analysis of urban residential development. 2014 , 44, 79-92		20
81	Evaluation of urban water resource security under urban expansion using a system dynamics model. 2015 , 15, 1259-1274		17
80	A Dynamic Model of Procurement Risk Element Transmission in Construction Projects. 2015 , 3, 133-144		2
79	A Framework for Sustainable Urban Water Management through Demand and Supply Forecasting: The Case of Istanbul. <i>Sustainability</i> , 2015 , 7, 11050-11067	3.6	17
78	An Integrated Model for Simulating Water Resources Management at Regional Scale. 2015 , 29, 1607-1622		8
77	Spatiotemporal processes and their implementation in Spatial System Dynamics models. 2015 , 60, 277-288		7
76	Flood Vulnerability Analysis by Fuzzy Spatial Multi Criteria Decision Making. 2015 , 29, 4427-4445		20
75	Effects of selective withdrawal on hydrodynamics and water quality of a thermally stratified reservoir in the southern side of the Mediterranean Sea: a simulation approach. 2015 , 187, 292		25
74	System dynamics and hydrodynamic modelling approaches for spatial and temporal analysis of flood risk. 2015 , 13, 443-461		9
73	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. 2015 , 74, 2499-2510		42
72	Integrated optimal allocation model for complex adaptive system of water resources management (I): Methodologies. <i>Journal of Hydrology</i> , 2015 , 531, 964-976	6	32
71	Exploring Water Management Strategies in an Inland Arid Area Using Dynamic Simulation Model. 2015 ,		
70	Object oriented eco-simulator system as predictor & exploratory system to track impact of human induced activities on environmental resource: A case study: Evaluation of unsuitable ground water consumption of petrochemical and power factory of Shazand on ecological status of Markazi province. 2015 ,		
69	Modeling structural change in spatial system dynamics: A Daisyworld example. <i>Environmental Modelling and Software</i> , 2015 , 65, 30-40	5.2	32
68	Potential impact of climate change on future water demand in Yulin city, Northwest China. 2015 , 20, 1-19		25
67	Water Balance to Recharge Calculation: Implications for Watershed Management Using Systems Dynamics Approach. 2016 , 3, 13		17

66	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. <i>Agricultural Water Management</i> , 2016 , 171, 89-107	5.9	22
65	Selection of the Design and Construction Parameters for Energy Efficient Housing Using System Dynamics. 2016 ,		
64	An integrated approach for modeling the electricity value of a sugarcane production system. 2016 , 177, 823-838		4
63	Object view in spatial system dynamics: a grassland farming example. 2016 , 61, 367-388		2
62	A risk-based framework for water resource management under changing water availability, policy options, and irrigation expansion. 2016 , 94, 291-306		20
61	Impact of climate change on regional irrigation water demand in Baojixia irrigation district of China. 2016 , 21, 233-247		33
60	Mathematical and Computational Modelling Frameworks for Integrated Sustainability Assessment (ISA). 2017 , 3-27		6
59	An overview of the system dynamics process for integrated modelling of socio-ecological systems: Lessons on good modelling practice from five case studies. <i>Environmental Modelling and Software</i> , 2017 , 93, 127-145	5.2	93
58	Dynamic hybrid modelling: Switching between AB and SD designs of a predator-prey model. 2017 , 345, 165-175		20
57	Development of a software tool for rapid, reproducible, and stakeholder-friendly dynamic coupling of system dynamics and physically-based models. <i>Environmental Modelling and Software</i> , 2017 , 96, 410-420	5.2	17
56	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. 2017 , 14, 1039-1057		32
55	An empirical investigation into the learning effects of management flight simulators: A mental models approach. 2017 , 259, 262-272		13
54	Using system dynamics simulation for assessment of hydropower system safety. 2017 , 53, 7148-7174		20
53	Developing an integrated framework to build a decision support tool for urban water management. 2018 , 20, 708-727		9
52	Coastal vulnerability: Evolving concepts in understanding vulnerable people and places. 2018 , 82, 19-29		50
51	Sustainable Design and Building Conversion. 2018 , 83-104		
50	Financial Management of a Hypothetical Water Network Using System Dynamics. 2018 ,		2
49	. 2018 ,		2

48	The state-of-the-art system dynamics application in integrated water resources modeling. <i>Journal of Environmental Management</i> , 2018 , 227, 294-304	7.9	52
47	Tools and methods in participatory modeling: Selecting the right tool for the job. <i>Environmental Modelling and Software</i> , 2018 , 109, 232-255	5.2	137
46	The water-energy nexus at water supply and its implications on the integrated water and energy management. 2018 , 636, 1257-1267		43
45	Floodplains and Complex Adaptive Systems Perspectives on Connecting the Dots in Flood Risk Assessment with Coupled Component Models. 2018 , 6, 9		16
44	A Dynamic Simulation Approach to Analyze Hydro-Electric Energy Production under Variable Flow and Demand Conditions. 2018 ,		1
43	System Dynamics Modelling Process in Water Sector: a Review of Research Literature. 2018 , 35, 776-790		20
42	A Combinatorial Procedure to Determine the Full Range of Potential Operating Scenarios for a Dam System. 2019 , 33, 1451-1466		4
41	Toward Convergence Disaster Research: Building Integrative Theories Using Simulation. 2021 , 41, 1078-1086		9
40	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	29
39	Assessment of the water resource carrying capacity based on the ecological footprint: a case study in Zhangjiakou City, North China. 2019 , 26, 11000-11011		34
38	Simulating a Watershed-Scale Strategy to Mitigate Drought, Flooding, and Sediment Transport in Drylands. 2019 , 7, 53		3
37	Improving the Performance of Water Distribution Networks Based on the Value Index in the System Dynamics Framework. <i>Water (Switzerland)</i> , 2019 , 11, 2445	3	2
36	Drought mitigation under urbanization through an intelligent water allocation system. <i>Agricultural Water Management</i> , 2019 , 213, 87-96	5.9	9
35	Multi-risk assessment in mountain regions: A review of modelling approaches for climate change adaptation. <i>Journal of Environmental Management</i> , 2019 , 232, 759-771	7.9	43
34	A spatial landscape scale approach for estimating erosion, water quantity, and quality in response to South Dakota grassland conversion. <i>Natural Resource Modelling</i> , 2020 , 33,	1.2	4
33	An Overland Flood Model for Geographical Information Systems. <i>Water (Switzerland)</i> , 2020 , 12, 2397	3	1
32	Dynamic Model of a Sustainable Water Resources Utilization System with Coupled Water Quality and Quantity in Tianjin City. <i>Sustainability</i> , 2020 , 12, 4254	3.6	6
31	Identifying Capabilities and Potentials of System Dynamics in Hydrology and Water Resources as a Promising Modeling Approach for Water Management. <i>Water (Switzerland)</i> , 2020 , 12, 1432	3	14

30	Identifying emergent agent types and effective practices for portability, scalability, and intercomparison in water resource agent-based models. <i>Environmental Modelling and Software</i> , 2020 , 127, 104671	5.2	4
29	Development of a behaviour-pattern based global sensitivity analysis procedure for coupled socioeconomic and environmental models. <i>Journal of Hydrology</i> , 2020 , 585, 124745	6	1
28	A system dynamics simulation approach for environmentally friendly operation of a reservoir system. <i>Journal of Hydrology</i> , 2020 , 587, 124971	6	10
27	Study of Water-Environmental Conflicts as a Dynamic and Complex Human-Natural System: A New Perspective. <i>Lecture Notes in Business Information Processing</i> , 2021 , 113-127	0.6	
26	A Systems Analysis Approach to Addressing Contemporary Water Challenges: Management Improvements in Brazil and Beyond. 2021 , 99-131		
25	The Role of Water Information and Data Bases in Water Resources Management. <i>Springer Water</i> , 2021 , 59-83	0.3	2
24	A Literature Review of Hybrid System Dynamics and Agent-Based Modeling in a Produced Water Management Context. <i>Modelling</i> , 2021 , 2, 224-239	2.5	2
23	Stakeholder-based water allocation modelling and ecosystem services trade-off analysis: the case of El Carracillo region (Spain). <i>Hydrological Sciences Journal</i> , 2021 , 66, 777-794	3.5	2
22	Critical review of system dynamics modelling applications for water resources planning and management. <i>Cleaner Environmental Systems</i> , 2021 , 2, 100031	2	13
21	Dynamic water system modeling: a systematic review. <i>Water Practice and Technology</i> ,	0.9	1
20	Study of the Urmia Lake Dispute Using Incorporation of System Dynamics and Graph Model for Conflict Resolution Approaches. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2021 , 13, 04521010	1.7	1
19	Reallocation of water resources according to social, economic, and environmental parameters. <i>Scientific Reports</i> , 2021 , 11, 17514	4.9	4
18	System Dynamics Approach for Water Resources Systems Analysis. <i>Springer Water</i> , 2021 , 153-176	0.3	
17	Science Based Modelling for Supporting Integrated Coastal Zone Management. 2017 , 307-325		1
16	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. 2017 , 14, 1039		5
15	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. 2015 , 74, 2499		1
14	Integration of Geographic Information System and system dynamics for assessment of the impacts of storm damage on coastal communities - Case study: Chabahar, Iran. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 49, 101665	4.5	8
13	Analysis on Inundation Impacts of Sea Level Rise Using System Dynamics-GIS Model. <i>Journal of the Korean Association of Geographic Information Studies</i> , 2015 , 18, 92-104		1

12	Semiarid watershed response in central New Mexico and its sensitivity to climate variability and change. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 715-733	5.5	15
11	Spatial (GIS-based) decision support system for the Westernport region. <i>Applied GIS</i> , 2006 , 2, 17.1-21.1		1
10	Numerical simulations of the impact of climate variability and change on semiarid watershed response in central New Mexico.		
9	Modeling. <i>AESS Interdisciplinary Environmental Studies and Sciences Series</i> , 2020 , 403-428	0.3	
8	Modelling of SeaCities: Why, What and How to Model. <i>Cities Research Series</i> , 2021 , 271-294		
7	Analysis and Prediction of Sustainable Utilization of Water Resources in Chengde City Based on System Dynamics Model. <i>Water (Switzerland)</i> , 2021 , 13, 3534	3	2
6	Distributed Hydrological Model Based on Machine Learning Algorithm: Assessment of Climate Change Impact on Floods. <i>Sustainability</i> , 2022 , 14, 6620	3.6	1
5	What Are the Sustainable Water Policies in Central Regions of Iran? An Integrated Water Resource Management Model.		0
4	Morphology of transition pathway matters: System dynamics to assess alternative livelihood policy towards groundwater sustainability. 2023 , 21, 100928		1
3	Dynamic Resilience Quantification of Hydropower Infrastructure in Multihazard Environments. 2023 , 29,		0
2	System Dynamics Approach for Water Resources Management: A Case Study from the Souss-Massa Basin. 2023 , 15, 1506		0
1	A Literature Review on System Dynamics Modeling for Sustainable Management of Water Supply and Demand. 2023 , 15, 6826		0