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Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems

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225	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. <i>Water Resources Management</i> , <b>2013</b> , 27, 3085-3101	·7	86
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220	A Systems Approach to Holistic Total Maximum Daily Load Policy: Case of Lake Allegan, Michigan. <b>2013</b> , 139, 544-553		16
219	Water Transfer: A Fix that May Fail. <b>2013</b> ,		1
218	Optimum management of cyclic storage systems: A simulation optimization approach. 2013, 105, E671-E6	83	2
217	COMPARATIVE EVALUATION OF IMPLEMENTING PARTICIPATORY IRRIGATION MANAGEMENT IN PUNJAB, PAKISTAN. <b>2014</b> , 63, 315-327		11
216	Drought forecasting in a semi-arid watershed using climate signals: a neuro-fuzzy modeling approach. <b>2014</b> , 11, 1593-1605		67
215	An innovative technique for modelling impacts of coastal storm damage. <b>2014</b> , 1, 240-247		6
214	Sustainability Monitoring and Assessment: New Challenges Require New Thinking. <b>2014</b> , 140, 133-135		26
213	Evaluating the effect of persistence on long-term trends and analyzing step changes in streamflows of the continental United States. <b>2014</b> , 517, 36-53		118
212	Application of System Dynamics to Water Security Research. <i>Water Resources Management</i> , <b>2014</b> , 28, 287-300	··7	46
211	Using System Dynamics Method to Determine the Effect of Water Demand Priorities on Downstream Flow. <i>Water Resources Management</i> , <b>2014</b> , 28, 5055-5072	·7	18

# (2015-2014)

210	Water resources management in a homogenizing world: Averting the Growth and Underinvestment trajectory. <b>2014</b> , 50, 7515-7526	20
209	Using path analysis to identify the influence of climatic factors on spring peak flow dominated by snowmelt in an alpine watershed. <b>2014</b> , 11, 990-1000	47
208	Water management in Iran: what is causing the looming crisis?. <b>2014</b> , 4, 315-328	298
207	Modeling Streamflow Dominated by Snowmelt in an Ungauged Basin in Northwestern China. <b>2014</b> ,	
206	Improving Streamflow Reconstructions Using Oceanic-Atmospheric Climate Variability. 2014,	4
205	Investigation of the Linkages between Oceanic Atmospheric Variability and Continental U.S. Streamflow. <b>2014</b> ,	1
204	Distributed Hydrological Modeling for a Snow Dominant Watershed Using a Precipitation and Runoff Modeling System. <b>2015</b> ,	3
203	Scale and the representation of human agency in the modeling of agroecosystems. <b>2015</b> , 14, 239-249	17
202	Investigating Environmental Flows for Riparian Vegetation Recruitment Using System Dynamics Modelling. <b>2015</b> , 31, 485-496	9
201	Mediated Modeling in Water Resource Dialogues Connecting Multiple Scales. <b>2015</b> , 51, 1581-1599	7
200	A Framework for Sustainable Urban Water Management through Demand and Supply Forecasting: The Case of Istanbul. <b>2015</b> , 7, 11050-11067	17
199	An integrated system dynamics model developed for managing lake water quality at the watershed scale. <b>2015</b> , 155, 11-23	50
198	Solving Water Resource Scheduling Problem through an Improved Artificial Fish Swarm Algorithm. <b>2015</b> , 170-181	4
197	A systems thinking approach for enhancing adaptive capacity in small- and medium-sized enterprises: causal mapping of factors influencing environmental adaptation in Vietnam textile and garment industry. <b>2015</b> , 35, 490-503	7
196	Aral Sea syndrome desiccates Lake Urmia: Call for action. <b>2015</b> , 41, 307-311	196
195	Evaluating Municipal Water Management Options with the Incorporation of Water Quality and Energy Consumption. <i>Water Resources Management</i> , <b>2015</b> , 29, 35-61	7
194	Developing social-ecological system indicators using group model building. <b>2015</b> , 109, 29-39	21
193	A research on subway physical vulnerability based on network theory and FMECA. <b>2015</b> , 80, 127-134	53

192	Bioenergy Development Policy and Practice Must Recognize Potential Hydrologic Impacts: Lessons from the Americas. <b>2015</b> , 56, 1295-314	14
191	Assessment of Water Resources Carrying Capacity for Sustainable Development Based on a System Dynamics Model: A Case Study of Tieling City, China. <i>Water Resources Management</i> , <b>2015</b> , 29, 885-899	57
190	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <b>2015</b> , 74, 2499-2510	42
189	Exploring Water Management Strategies in an Inland Arid Area Using Dynamic Simulation Model. <b>2015</b> ,	
188	Water ecological carrying capacity of urban lakes in the context of rapid urbanization: A case study of East Lake in Wuhan. <b>2015</b> , 89-90, 104-113	45
187	A water resources simulation gaming model for the Invitational Drought Tournament. <b>2015</b> , 160, 167-83	15
186	System dynamics modeling of the influence of the TN/TP concentrations in socioeconomic water on NDVI in shallow lakes. <b>2015</b> , 76, 27-35	21
185	Evaluating the Impacts of Environmental Flow Alternatives on Reservoir and Recreational Operations Using System Dynamics Modeling. <b>2015</b> , 51, 33-46	11
184	Socio-hydrological modelling: a review asking "why, what and how?". <b>2016</b> , 20, 443-478	106
183	Water Balance to Recharge Calculation: Implications for Watershed Management Using Systems Dynamics Approach. <b>2016</b> , 3, 13	17
182	System Dynamics Modeling for Agricultural and Natural Resource Management Issues: Review of Some Past Cases and Forecasting Future Roles. <b>2016</b> , 5, 40	46
181	Quantifying resilience to flooding among households and local government units using system dynamics: a case study in Metro Manila. <b>2016</b> , 9, 196-207	9
180	Analysis of Water Availability and Use for Solar Power Production in Nevada. 2016,	3
179	Iran⊠ Socio-economic Drought: Challenges of a Water-Bankrupt Nation. <b>2016</b> , 49, 997-1016	156
178	A system dynamics based socio-hydrological model for agricultural wastewater reuse at the watershed scale. <b>2016</b> , 171, 89-107	22
177	Exploring agricultural production systems and their fundamental components with system dynamics modelling. <b>2016</b> , 333, 51-65	86
176	A qualitative model to evaluate biowaste composting management systems using causal diagrams: a case study in Colombia. <b>2016</b> , 133, 201-211	9
175	A risk-based framework for water resource management under changing water availability, policy options, and irrigation expansion. <b>2016</b> , 94, 291-306	20

### (2017-2016)

174	2016, 30, 59-75	36
173	Integrating Supply Uncertainties from Stochastic Modeling into Integrated Water Resource Management: Case Study of the Saskatchewan River Basin. <b>2016</b> , 142, 05015006	24
172	Trend and Variability in Observed Hydrological Extremes in the United States. <b>2016</b> , 21, 04015061	26
171	Estimating the efficiency of complex marine systems in China's coastal regions using a network Data Envelope Analysis model. <b>2017</b> , 139, 77-91	16
170	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for Cryptosporidium. <b>2017</b> , 119, 252-266	37
169	Simulation of water scarcity in a leap-forward developing arid region: a system dynamics model of Xinjiang Uygur Autonomous Region. <b>2017</b> , 19, 741-757	5
168	An overview of the system dynamics process for integrated modelling of socio-ecological systems: Lessons on good modelling practice from five case studies. <b>2017</b> , 93, 127-145	93
167	System Dynamics Evaluation of Climate Change Adaptation Strategies for Water Resources Management in Central Iran. <i>Water Resources Management</i> , <b>2017</b> , 31, 1413-1434	63
166	Modeling or dynamic simulation: a tool for environmental management in mining?** This paper has not been published elsewhere and it has not been submitted simultaneously for publication elsewhere.View all notes. <b>2017</b> , 14, 19-37	5
165	The ecohydrological vulnerability of a large inland delta to changing regional streamflows and upstream irrigation expansion. <b>2017</b> , 10, e1824	14
164	Surface water retention systems for cattail production as a biofuel. <b>2017</b> , 203, 500-509	7
163	An economic assessment of local farm multi-purpose surface water retention systems in a Canadian Prairie setting. <b>2017</b> , 7, 4461-4478	2
162	Development of a software tool for rapid, reproducible, and stakeholder-friendly dynamic coupling of system dynamics and physically-based models. <b>2017</b> , 96, 410-420	17
161	Hedonic experience of customer re-patronizing intention: a system dynamics viewpoint. <b>2017</b> , 46, 1674-1691	1
160	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. <b>2017</b> , 14, 1039-1057	32
159	The Grandest Challenge of All: The Role of Environmental Engineering to Achieve Sustainability in the World's Developing Regions. <b>2017</b> , 34, 16-41	42
158	Using system dynamics simulation for assessment of hydropower system safety. <b>2017</b> , 53, 7148-7174	20
157	Urban Water Cycle Simulation/Management Models: A Review. <b>2017</b> , 9, 285	14

156	System Dynamics Modeling of Water Level Variations of Lake Issyk-Kul, Kyrgyzstan. 2017, 9, 989	21
155	Water for Energy and Food: A System Modelling Approach for Blue Nile River Basin. <b>2017</b> , 4, 15	9
154	Development and application of coupled system dynamics and game theory: A dynamic water conflict resolution method. <b>2017</b> , 12, e0188489	13
153	Developing an integrated framework to build a decision support tool for urban water management. <b>2018</b> , 20, 708-727	9
152	Coastal vulnerability: Evolving concepts in understanding vulnerable people and places. <b>2018</b> , 82, 19-29	50
151	Modeling the impact of service innovation for small and medium enterprises: A system dynamics approach. <b>2018</b> , 82, 84-102	16
150	Municipal water planning and management with an end-use based simulation model. 2018, 101, 204-217	5
149	Uncertainty Propagation of Hydrologic Modeling in Water Supply System Performance: Application of Markov Chain Monte Carlo Method. <b>2018</b> , 23, 04018013	7
148	Avoiding the water-poverty trap: insights from a conceptual human-water dynamical model for coastal Bangladesh. <b>2018</b> , 34, 900-922	11
147	A methodological framework to support the initiation, design and institutionalization of participatory modeling processes in water resources management. <b>2018</b> , 556, 701-716	32
146	Intelligent simulation of aquatic environment economic policy coupled ABM and SD models. <b>2018</b> , 618, 1160-1172	18
145	Water demand predictions for megacities: system dynamics modeling and implications. <b>2018</b> , 20, 53-76	11
144	Understanding and managing the food-energy-water nexus lopportunities for water resources research. <b>2018</b> , 111, 259-273	150
143	Financial Management of a Hypothetical Water Network Using System Dynamics. 2018,	2
142	A Study of Formal Post-products Collected to Reuse Business Structures on Resource Sustainability through System Dynamics. <b>2018</b> , 69, 833-837	
141	System dynamics simulation for optimal stream flow regulations under consideration of coordinated development of ecology and socio-economy in the Weihe River Basin, China. <b>2018</b> , 124, 51-68	27
140	A Complex Network Theory-Based Modeling Framework for Unmanned Aerial Vehicle Swarms. <b>2018</b> , 18,	9
139	Marketing competition on a new product introduction - a structural analysis using systems thinking. <b>2018</b> , 3, 141	1

138	The state-of-the-art system dynamics application in integrated water resources modeling. <b>2018</b> , 227, 294-304	52
137	Dynamic Simulation of Lake Mead Water Levels in Response to Climate Change and Varying Demands. <b>2018</b> ,	1
136	Water environment carrying capacity in Bosten Lake basin. <b>2018</b> , 199, 574-583	42
135	A Dynamic Simulation Approach to Analyze Hydro-Electric Energy Production under Variable Flow and Demand Conditions. <b>2018</b> ,	1
134	System Dynamics Modelling Process in Water Sector: a Review of Research Literature. <b>2018</b> , 35, 776-790	20
133	Water used to be infinite: a Brazilian tale of climate change. <b>2019</b> , 48, 143-162	4
132	Archetype analysis in sustainability research: meanings, motivations, and evidence-based policy making. <b>2019</b> , 24,	41
131	Integrated water resources management and modeling: A case study of Bow river basin, Canada. <b>2019</b> , 240, 118242	27
130	Using group model building to develop a causal loop mapping of the water-energy-food security nexus in Karawang Regency, Indonesia. <b>2019</b> , 240, 118170	30
129	Does Socioeconomic Feedback Matter for Water Models?. <b>2019</b> , 159, 35-45	10
128	Sustainability Assessment of Asset Management Decisions for Wastewater Infrastructure Systems Development of a System Dynamic Model. <b>2019</b> , 7, 26	1
127	Improved integrated water resource modelling by combining DPSIR and system dynamics conceptual modelling techniques. <b>2019</b> , 246, 27-41	35
126	The value of extreme events: What doesnlexterminate your water system makes it more resilient. <b>2019</b> , 575, 269-272	11
125	UNESCO® Contribution to Face Global Water Challenges. 2019, 11, 388	26
124	Complementary Vantage Points: Integrating Hydrology and Economics for Sociohydrologic Knowledge Generation. <b>2019</b> , 55, 2549-2571	26
123	Spatiotemporal Variation in the Continental US Streamflow in Association with Large-Scale Climate Signals Across Multiple Spectral Bands. <i>Water Resources Management</i> , <b>2019</b> , 33, 1947-1968	19
122	Water Quality Modeling of Mahabad Dam WatershedReservoir System under Climate Change Conditions, Using SWAT and System Dynamics. <b>2019</b> , 11, 394	29
121	Integrated Approach for Supporting Sustainable Water Resources Management of Irrigation Based on the WEFN Framework. <i>Water Resources Management</i> , <b>2019</b> , 33, 1281-1295	11

120	Simulating a Watershed-Scale Strategy to Mitigate Drought, Flooding, and Sediment Transport in Drylands. <b>2019</b> , 7, 53	3
119	Analysis of Water Management Scenarios Using Coupled Hydrological and System Dynamics Modeling. <i>Water Resources Management</i> , <b>2019</b> , 33, 4849-4863	11
118	Greater gains for Australia by tackling all SDGs but the last steps will be the most challenging. <b>2019</b> , 2, 1041-1050	27
117	Policy options for managing the water resources in rapidly expanding cities: a system dynamics approach. <b>2019</b> , 5, 1201-1215	7
116	A framework for engaging stakeholders in water quality modeling and management: Application to the Qu'Appelle River Basin, Canada. <b>2019</b> , 231, 1117-1126	18
115	Technologies and Eco-innovation towards Sustainability I. 2019,	1
114	The Effects of Collection Promotions on Resource-Efficient Utilization and Resource Sustainability of Mobile Phone Market: A System Dynamics Approach. <b>2019</b> , 135-146	
113	Compounding effects of human activities and climatic changes on surface water availability in Iran. <b>2019</b> , 152, 379-391	49
112	Mediated Modeling and Participatory Modeling. <b>2019</b> , 129-135	1
111	Simulation and optimization of water supply and demand balance in Shenzhen: A system dynamics approach. <b>2019</b> , 207, 882-893	34
110	Dealing with sustainability in groundwater management using system dynamics approach, a case study in Iran. <b>2019</b> , 5, 1405-1417	2
109	Impact of Fall Armyworm on Farmer∃ Maize: Systemic Approach. <b>2020</b> , 33, 237-264	1
108	Methods for integrating high-resolution land, climate, and infrastructure scenarios in a hydrologic simulation model. <b>2020</b> , 7, 100699	2
107	Incorporating social dimensions in hydrological and water quality modeling to evaluate the effectiveness of agricultural beneficial management practices in a Prairie River Basin. <b>2020</b> , 27, 14271-14287	6
106	A participatory system dynamics modeling approach to facilitate collaborative flood risk management: A case study in the Bradano River (Italy). <b>2020</b> , 580, 124354	17
105	Developing a Model for Decision-Makers in Dynamic Modeling of Urban Water System Management. <i>Water Resources Management</i> , <b>2020</b> , 34, 481-499	6
104	Environmental Scenario Analysis on Natural and Social-Ecological Systems: A Review of Methods, Approaches and Applications. <b>2020</b> , 12, 7542	5
103	Socio-Hydrology: A New Understanding to Unite or a New Science to Divide?. <b>2020</b> , 12, 1941	21

# (2021-2020)

102	System Dynamics Modeling for Supporting Drought-Oriented Management of the Jucar River System, Spain. <b>2020</b> , 12, 1407	10
101	Towards Understanding and Sustaining Natural Resource Systems through the Systems Perspective: A Systematic Evaluation. <b>2020</b> , 12, 9871	4
100	Systems approach to end-of-life management of residential photovoltaic panels and battery energy storage system in Australia. <b>2020</b> , 134, 110176	10
99	Simulating the interactions between the water and the socio-economic system in a stressed endorheic basin. <b>2020</b> , 65, 2159-2174	3
98	An In-Depth Assessment of Water Resource Responses to Regional Development Policies Using Hydrological Variation Analysis and System Dynamics Modeling. <b>2020</b> , 12, 5814	1
97	Simulation of water resource allocation for sustainable urban development: An integrated optimization approach. <b>2020</b> , 273, 122537	15
96	Evaluation of Water Sustainability under a Changing Climate in Zarrineh River Basin, Iran. <i>Water Resources Management</i> , <b>2020</b> , 34, 4831-4846	6
95	Alternative water supply solutions: China's South-to-North-water-diversion in Jinan. 2020, 276, 111337	5
94	How International Economic Sanctions Harm the Environment. <b>2020</b> , 8, e2020EF001829	6
93	Introduction to Modeling Sustainable Development in Business Processes. 2020,	3
92	Risk Assessment of Sudden Water Pollution Accidents Based on the One-Dimensional Hydrodynamic Model for Weihe River Basin, China. <b>2020</b> , 555, 012065	1
91	Identifying Capabilities and Potentials of System Dynamics in Hydrology and Water Resources as a Promising Modeling Approach for Water Management. <b>2020</b> , 12, 1432	14
90	System Dynamics Applied to Terraced Agroecosystems: The Case Study of Assaragh (Anti-Atlas Mountains, Morocco). <b>2020</b> , 12, 1693	4
89	A systems approach to examining the drivers and barriers of renewable energy technology adoption in the hotel sector in Queensland, Australia. <b>2020</b> , 42, 153-172	19
88	Future Changes in Water Supply and Demand for Las Vegas Valley: A System Dynamic Approach based on CMIP3 and CMIP5 Climate Projections. <b>2020</b> , 7, 16	8
87	A system dynamics simulation approach for environmentally friendly operation of a reservoir system. <b>2020</b> , 587, 124971	10
86	Understanding innovation diffusion and adoption strategies in megaproject networks through a fuzzy system dynamic model. <b>2021</b> , 8, 32-47	6
85	A participatory methodology for characterizing and prescribing water-energy-food nexus based on improved casual loop diagrams. <b>2021</b> , 164, 105124	9

84	Using participatory system dynamics modelling to quantify indirect land use changes of biofuel projects. <b>2021</b> , 16, 111-128	1
83	An integral approach to address socio-ecological systems sustainability and their uncertainties. <b>2021</b> , 762, 144457	5
82	Development of System Dynamics for Holistic Conceptualization of Water Resources Problems Using Grounded Theory: A Case Study of the Zayandehrud River Basin. <b>2021</b> , 45, 413-428	
81	Study of Water-Environmental Conflicts as a Dynamic and Complex Human-Natural System: A New Perspective. <b>2021</b> , 113-127	
80	Delving into the Divisive Waters of River Basin Planning in Bolivia: A Case Study in the Cochabamba Valley. <b>2021</b> , 13, 190	1
79	Developing a Conceptual Model for Sustainable water Resource Management and Agricultural Development: the Case of the Breede River Catchment Area, South Africa. <b>2021</b> , 67, 632-647	3
78	System Dynamics Modelling for Urban Sustainability. <b>2021</b> , 131-173	
77	A system dynamics simulation model for water conflicts in the Zhanghe River Basin, China. 1-17	4
76	Causal Loop Diagrams for supporting Nature Based Solutions participatory design and performance assessment. <b>2021</b> , 280, 111668	10
75	System dynamics simulation of regional water supply and demand using a food-energy-water nexus approach: Application to Qazvin Plain, Iran. <b>2021</b> , 280, 111843	21
74	Managing and Sustaining the Coupled Water-Land-Food Systems in the Context of Global Change: How Qualitative System Dynamic Modelling Can Assist in Understanding and Designing High-Leverage Interventions.	
73	System Dynamics-Multiple Objective Optimization Model for Water Resource Management: A Case Study in Jiaxing City, China. <b>2021</b> , 13, 671	4
<del>72</del>	Anthropogenic Drought: Definition, Challenges, and Opportunities. 2021, 59, e2019RG000683	39
71	A Dynamic Modeling Framework to Evaluate the Efficacy of Control Actions for a Woody Invasive Plant, Hakea sericea. <b>2021</b> , 9,	О
70	A leverage points analysis of a qualitative system dynamics model for climate change adaptation in agriculture. <b>2021</b> , 189, 103052	3
69	Managing the trade-off between groundwater resources and large-scale agriculture: the case of pistachio production in Iran. <b>2021</b> , 37, 155-196	1
68	Critical review of system dynamics modelling applications for water resources planning and management. <b>2021</b> , 2, 100031	13
67	Dynamic water system modeling: a systematic review.	1

# (2020-2021)

66	A generic approach to evaluate costs and effectiveness of agricultural Beneficial Management Practices to improve water quality management. <b>2021</b> , 287, 112336		2
65	System-Dynamics Modeling for Exploring the Impact of Industrial-Structure Adjustment on the Water Quality of the River Network in the Yangtze Delta Area. <b>2021</b> , 13, 7696		1
64	Human-Water Dynamics and their Role for Seasonal Water Scarcity & Case Study. <i>Water Resources Management</i> , <b>2021</b> , 35, 3043-3061	3.7	4
63	Study of the Urmia Lake Dispute Using Incorporation of System Dynamics and Graph Model for Conflict Resolution Approaches. <b>2021</b> , 13, 04521010		1
62	Evaluating management strategies for sustainable crop production under changing climate conditions: A system dynamics approach. <b>2021</b> , 292, 112790		3
61	Forecasting the Impact of Population Growth on Robustness of Water Distribution Networks: A System Dynamics Approach. <b>2021</b> , 1-10		1
60	System Dynamics Approach for Water Resources Systems Analysis. <b>2021</b> , 153-176		
59	Strategies to Practice Climate-Smart Agriculture to Improve the Livelihoods Under the Rice-Wheat Cropping System in South Asia. <b>2019</b> , 29-71		7
58	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. <b>2016</b> , 30, 59		3
57	A dynamic model for exploring water-resource management scenarios in an inland arid area: Shanshan County, Northwestern China. <b>2017</b> , 14, 1039		5
56	Dynamics model to simulate water and salt balance of Bosten Lake in Xinjiang, China. <b>2015</b> , 74, 2499		1
55	Application of Dynamic Simulation Modeling Approach and Load-Resistance Concept to WaterInfrastructure Interactions in Coastal Areas. <b>2017</b> , 143, 04017039		1
54	Modelling socio-hydrological systems: a review of concepts, approaches and applications.		10
53	Simulation of Snow Ablation Processes in the Upstream of Kunes River, Yili Valley, Xinjiang. 2015,		
52	A Systemic Conceptual Model to Assess the Sustainability of Industrial Ecosystems. 2018, 451-475		
51	Hydrographical and Physical©eographical Characteristics of the Issyk-Kul Lake Basin and Use of Water Resources of the Basin, and Impact of Climate Change on It. <b>2019</b> , 297-357		1
50	Future Scenarios of Water Security: A Case of BogotlRiver Basin, Colombia. 2020, 251-265		1
49	Delays. <b>2020</b> , 185-213		

48 Modeling. **2020**, 403-428

47	Development of a dynamics-based model for analyzing strategic waterBnvironmental conflicts: systems thinking instead of linear thinking.	
46	Identifying stakeholders[perspectives on the success factors of halal tourism in the city of Makassar: a group model building approach. <b>2022</b> , ahead-of-print,	
45	Fossil water: Last resort to resolve long-standing water scarcity?. <b>2022</b> , 261, 107358	2
44	Presenting a conceptual model of water-energy-food nexus in Iran. 2022, 4, 100119	1
43	Dynamic Water Balance Accounting-Based Vulnerability Evaluation Considering Social Aspects.  Water Resources Management, <b>2022</b> , 36, 659-681  3.7	2
42	The edge of the petri dish for a nation: Water resources carrying capacity assessment for Iran <b>2022</b> , 817, 153038	2
41	Root causes of underperforming urban waste services in developing countries: Designing a diagnostic tool, based on literature review and qualitative system dynamics <b>2022</b> , 734242X221074189	3
40	Regulation and Optimization of Urban Water and Land Resources Utilization for Low Carbon Development: A Case Study of Tianjin, China. <b>2022</b> , 14, 2760	0
39	Modeling of water management for cotton production in Uzbekistan. <b>2022</b> , 265, 107535	
38	A stakeholder-based framework for improving the resilience of groundwater resources in arid regions. <b>2022</b> , 609, 127737	1
37	Translating the Water scarcity Iwater reuselituation into an information system for decision-making. <b>2022</b> , 17, 9-25	1
36	Environmental effects of food waste reduction using system dynamics approach. 1-19	1
35	Identifying behavioural patterns of coupled water-agriculture systems using system archetypes. <b>2022</b> , 39, 305-323	O
34	Tools and indices for WEF nexus analysis. <b>2022</b> , 67-89	
33	Adoption of Rainwater Harvesting: a Dual-factor Approach by Integrating Theory of Planned Behaviour and Norm Activation Model. <i>Water Resources Management</i> ,  3-7	O
32	Analyzing and Assessing Dynamic Behavior of a Physical Supply and Demand System for Sustainable Water Management under a Semi-Arid Environment. <b>2022</b> , 14, 1939	1
31	A Framework to Support the Selection of an Appropriate Water Allocation Planning and Decision Support Scheme. <b>2022</b> , 14, 1854	O

30	Understanding knowledge needs for Scotland to become a resilient Hydro Nation: Water stakeholder perspectives. <b>2022</b> , 136, 157-166	О
29	The Effect of Climate Change on Water Resources. <b>2022</b> , 95-118	
28	Towards an integrated system modeling of water scarcity with projected changes in climate and socioeconomic conditions. <b>2022</b> ,	O
27	Alternative sources of urban water supply and application of emerging materials in water treatment. <b>2022</b> , 381-396	
26	What drove water demands in Beijing?: implications for macroeconomic structure and policy reform.	
25	Analyzing the wastewater treatment facility location/network design problem via system dynamics: Antalya, Turkey case. <b>2022</b> , 320, 115814	Ο
24	System Archetypes Underlying Formal-Informal Urban Water Supply Dynamics. 2022, 36, 4995-5010	O
23	Synergetic Development of Water ResourceWater EnvironmentBocioeconomic Development Coupling System in the Yangtze River Economic Belt. <b>2022</b> , 14, 2851	O
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21	Systems thinking for water security. <b>2022</b> , 39, 205-223	2
20	Threat Prioritization and Causality Relations for Sustainable Water Management under the Circular Economy Principles: Case Study in Laspias River, Greece Using eDPSIR and DEMATEL.	0
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