CITATION REPORT List of articles citing

Computer-based Model for Flood Evacuation Emergency Planning

DOI: 10.1007/s11069-004-0785-x Natural Hazards, 2005, 34, 25-51.

Source: https://exaly.com/paper-pdf/38515858/citation-report.pdf

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
150	Multiple criteria decision making and decision support systems for flood risk management. 2005 , 19, 438-447		107
149	Advances in Decision Support Systems for Flood Disaster Management: Challenges and Opportunities. 2005 , 21, 593-612		17
148	An Intelligent Decision Support System for Management of Floods. 2006 , 20, 391-410		136
147	Multi-Criteria Decision Support Systems for Flood Hazard Mitigation and Emergency Response in Urban Watersheds1. 2007 , 43, 346-358		63
146	Flood hazard assessment of Atrato River in Colombia. 2007 , 21, 591-609		78
145	Methods for the estimation of loss of life due to floods: a literature review and a proposal for a new method. <i>Natural Hazards</i> , 2008 , 46, 353-389	3	174
144	Improving tsunami warning systems with remote sensing and geographical information system input. 2008 , 28, 1653-68		12
143	A GIS-Based Model to Determine Site Suitability of Emergency Evacuation Shelters. 2008 , 12, 227-248		80
142	Optimization approaches for macroscopic emergency evacuation planning: A survey. 2008,		24
141	Flood Warning, Forecasting and Emergency Response. 2008,		35
140	On-line Street Network Analysis for Flood Evacuation Planning. 2008 , 219-242		5
139	GIS-based disaster management. 2009 , 20, 33-51		17
138	Identifying factors influencing flood mitigation at the local level in Texas and Florida: the role of organizational capacity. <i>Natural Hazards</i> , 2010 , 52, 167-184	3	97
137	Evaluating Municipal Water Conservation Policies Using a Dynamic Simulation Model. 2010 , 24, 3371-33	395	97
136	Vitae System based agent modeling and simulation of survivability-critical evacuation in underground flooding. 2010 ,		
135	Knowledge Management and Acquisition for Smart Systems and Services. <i>Lecture Notes in Computer Science</i> , 2010 ,	0.9	1
134	Hydrometeorology. 2010 ,		26

133	. IEEE Transactions on Intelligent Transportation Systems, 2010 , 11, 277-289	6.1	47
132	System dynamics analysis for the impact of dynamic transport and information delay to disaster relief supplies. 2011 ,		2
131	Systems dynamic model to forecast salinity load to the Colorado River due to urbanization within the Las Vegas Valley. 2011 , 409, 2616-25		76
130	An agent-based model for risk-based flood incident management. <i>Natural Hazards</i> , 2011 , 59, 167-189	3	179
129	Evaluating the impact of water conservation on fate of outdoor water use: a study in an arid region. 2011 , 92, 2061-8		73
128	Optimal evacuation scheme based on dam-break flood numerical simulation. 2011 , 17, 424-430		2
127	An aggregative fuzzy risk analysis for flood incident management. 2011 , 2, 31-40		3
126	Implementation of community flood risk communication in Kumamoto, Japan. <i>Journal of Advanced Transportation</i> , 2011 , 45, 117-128	1.9	22
125	Support for preventive mass evacuation planning in urban areas. 2011,		1
124	Analysis of self-evacuation to rescuing process under survivability-critical states in underground flooding by vitae system based agent modeling and simulation. 2011 ,		1
123	Effect of Authoritative Information and Message Characteristics on Evacuation and Shadow Evacuation in a Simulated Flood Event. 2012 , 13, 272-282		38
122	Integrated Risk Assessment for the Natomas Basin (California) Analysis of Loss of Life and Emergency Management for Floods. 2012 , 13, 297-309		8
121	Analysis of agent-based "non-organization and direct interest" collective event. 2012,		
120	Reverse 911 as a Complementary Evacuation Warning System. 2012 , 13, 65-73		24
119	Mapping the vulnerability for evacuation of the Campi Flegrei territorial system in case of a volcanic unrest. <i>Natural Hazards</i> , 2012 , 64, 1823-1854	3	6
118	Estimating annual precipitation for the Colorado River Basin using oceanic-atmospheric oscillations. 2012 , 48,		51
117	Synthesis of System Dynamics Tools for Holistic Conceptualization of Water Resources Problems. 2012 , 26, 2421-2442		193
116	The carbon footprint of water management policy options. 2012 , 42, 201-212		79

115	Changing climatic conditions in the Colorado River Basin: Implications for water resources management. 2012 , 430-431, 127-141	92
114	Using large-scale climatic patterns for improving long lead time streamflow forecasts for Gunnison and San Juan River Basins. 2013 , 27, 1543-1559	56
113	Identifying the optimal configuration of one-way and two-way streets for contraflow operation during an emergency evacuation. <i>Natural Hazards</i> , 2013 , 69, 1315-1334	13
112	Increasing streamflow forecast lead time for snowmelt-driven catchment based on large-scale climate patterns. 2013 , 53, 150-162	67
111	Evaluating water conservation and reuse policies using a dynamic water balance model. 2013 , 51, 449-58	57
110	A Dynamic Model for Vulnerability Assessment of Regional Water Resources in Arid Areas: A Case Study of Bayingolin, China. 2013 , 27, 3085-3101	86
109	Development of a system dynamics model for financially sustainable management of municipal watermain networks. 2013 , 47, 7184-205	48
108	Water transfer as a solution to water shortage: A fix that can Backfire. 2013 , 491, 23-39	183
107	Using Paleo Reconstructions to Improve Streamflow Forecast Lead Time in the Western United States. 2013 , 49, 1351-1366	35
106	Resilience Complements Vulnerability. 2013 , 55-71	1
106	Resilience Complements Vulnerability. 2013 , 55-71 Vulnerability Theory. 2013 , 17-35	2
105	Vulnerability Theory. 2013 , 17-35 Evaluating the impact of demand-side management on water resources under changing climatic	2
105	Vulnerability Theory. 2013, 17-35 Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. 2013, 114, 261-75 Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River	2 117
105 104 103	Vulnerability Theory. 2013, 17-35 Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. 2013, 114, 261-75 Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. 2013, 18, 1031-1040 SCENARIO ANALYSIS ON EVACUATION STRATEGIES FOR RESIDENTS IN BIG CITIES DURING	2 117 52
105 104 103	Vulnerability Theory. 2013, 17-35 Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. 2013, 114, 261-75 Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. 2013, 18, 1031-1040 SCENARIO ANALYSIS ON EVACUATION STRATEGIES FOR RESIDENTS IN BIG CITIES DURING LARGE-SCALE FLOOD. 2013, 69, 71-82	2 117 52
105 104 103 102	Vulnerability Theory. 2013, 17-35 Evaluating the impact of demand-side management on water resources under changing climatic conditions and increasing population. 2013, 114, 261-75 Improving Streamflow Forecast Lead Time Using Oceanic-Atmospheric Oscillations for Kaidu River Basin, Xinjiang, China. 2013, 18, 1031-1040 SCENARIO ANALYSIS ON EVACUATION STRATEGIES FOR RESIDENTS IN BIG CITIES DURING LARGE-SCALE FLOOD. 2013, 69, 71-82 Analysis of Road Vulnerability for Population Evacuation Using Complex Network. 2014,	2 117 52 7

(2016-2014)

97	Post-seismic supply chain risk management: A system dynamics disruption analysis approach for inventory and logistics planning. 2014 , 42, 14-24	66
96	Modelling and simulating the dynamic environmental factors in post-seismic relief operation. Journal of Simulation, 2014 , 8, 164-178	7
95	Preparation for and response to the flood of 2008 in Cedar Falls, Iowa. 2014 , 10, 180	
94	Towards a better management of complex emergencies through crisis management meta-modelling. 2015 , 39, 687-714	16
93	SCENARIO ANALYSIS FOR EVACUATION STRATEGIES FOR RESIDENTS IN BIG CITIES DURING LARGE-SCALE FLOODING. 2015 , 3, 209-223	2
92	FLCNDEMF: An Event Metamodel for Flood Process Information Management under the Sensor Web Environment. <i>Remote Sensing</i> , 2015 , 7, 7231-7256	10
91	Handling Interdependencies in Climate Change Risk Assessment. 2015 , 3, 1079-1096	25
90	Recent Advances in Agent-Based Tsunami Evacuation Simulations: Case Studies in Indonesia, Thailand, Japan and Peru. 2015 , 172, 3409-3424	51
89	A robust optimization approach to volunteer management in humanitarian crises. 2015 , 163, 97-111	33
88	Population evacuation: evaluating spatial distribution of flood shelters and vulnerable residential units in Dhaka with geographic information systems. <i>Natural Hazards</i> , 2015 , 78, 1859-1882	46
87	DPSO based on a min-max approach and clamping strategy for the evacuation vehicle assignment problem. 2015 , 148, 30-38	7
86	Resource deployment under consideration of conflicting needs in times of river floods. 2016 , 25, 649-663	3
85	A Metamodel for Knowledge Management in Crisis Management. 2016 ,	21
84	An Event-Driven, Scalable and Real-Time Geo-spatial Disaster Forensics Architecture: Decision Support for Integrated Disaster Risk Reduction. 2016 , 335-354	
83	Disaster Forensics. 2016 ,	20
82	The Potential of Agent Based Models for Testing City Evacuation Strategies Under a Flood Event. 2016 , 154, 765-772	10
81	A Formal Framework for Crisis Management Describing Information Flows and Functional Structure. 2016 , 159, 353-356	9
80	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. 2016 , 30, 59-75	36

79	Training decision-makers in flood response with system dynamics. 2016 , 25, 118-136	10
78	Forecast Interpretation. 2016 , 209-233	1
77	A landscape of crowd-management support: An integrative approach. <i>Safety Science</i> , 2016 , 86, 142-164 5.8	56
76	Influencing factors for emergency evacuation capability of rural households to flood hazards in western mountainous regions of Henan province, China. <i>International Journal of Disaster Risk</i> 4.5 <i>Reduction</i> , 2017 , 21, 187-195	13
75	Cooperative survival principles for underground flooding: Vitae System based multi-agent simulation. 2017 , 83, 379-395	11
74	Tool for decision-making regarding general evacuation during a rapid river flood. 2017 , 146, 134-139	4
73	Flooding risk in existing urban environment: from human behavioral patterns to a microscopic simulation model. 2017 , 134, 131-140	21
72	Decision Making in Disaster Management: From Crisis Modeling to Effective Support. 2017 , 122-128	
71	Hydrodynamics of pedestrians' instability in floodwaters. 2017 , 21, 515-531	43
70	Coastal vulnerability: Evolving concepts in understanding vulnerable people and places. 2018 , 82, 19-29	50
69	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions. 2018, 10, 68-83	41
68	The application of system dynamics modelling to system safety improvement: Present use and future potential. <i>Safety Science</i> , 2018 , 106, 104-120	27
67	Emergency decision making for natural disasters: An overview. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 27, 567-576	146
66	FLOODSS: lowa flood information system as a generalized flood cyberinfrastructure. 2018 , 16, 393-400	21
65	Analyzing land and water requirements for solar deployment in the Southwestern United States. 2018 , 82, 3288-3305	42
64	Simulation-based evacuation planning using state-of-the-art sensitivity analysis techniques. 2018 , 89, 160-174	4
63	Reservoir Regulations of the Indus River Basin under Different Flow Conditions. 2018,	О
62	The importance of volunteered geographic information for the validation of flood inundation models. 2018 , 562, 267-280	21

61	Vulnerability-plus theory. 2018 , 45-78		7
60	Developing a Time-Based Evaluation Method for Functional Exercises of Emergency Medical Operations. 2019 , 5, 49		2
59	A decision-support framework for emergency evacuation planning during extreme storm events. 2019 , 77, 589-605		18
58	Flood evacuation simulations using cellular automata and multiagent systems -a human-environment relationship perspective. 2019 , 33, 2241-2258		10
57	Simulation of pedestrians levacuation dynamics with underground flood spreading based on cellular automaton. 2019 , 94, 149-161		22
56	Development and Validation of a Disaster Response Decision Metamodel in the Philippine Context. 2019 ,		2
55	Decision-making in Humanitarian Operations. 2019 ,		1
54	Modeling Disaster Operations Management Problems with System Dynamics. 2019 , 223-248		
53	Multi-risk assessment in mountain regions: A review of modelling approaches for climate change adaptation. 2019 , 232, 759-771		43
52	Modeling route choice behavior of evacuees in highly urbanized area: A case study of Bagong Silangan, Quezon City, Philippines. 2019 , 24, 98-105		6
51	On an integrated approach to resilient transportation systems in emergency situations. 2019 , 18, 815-8	23	8
50	Surface water resource assessment of paddy rice production under climate change in the Vietnamese Mekong Delta: a system dynamics modeling approach. <i>Journal of Water and Climate Change</i> , 2020 , 11, 514-528	2.3	3
49	Engaging Stakeholders for Collaborative Decision Making in Humanitarian Logistics Using System Dynamics. <i>Journal of Homeland Security and Emergency Management</i> , 2020 , 17,	1.2	2
48	Incorporating Uncertainty of the System Behavior in Flood Risk AssessmentBava River Case Study. <i>Water (Switzerland)</i> , 2020 , 12, 2676	3	3
47	Socio-Hydrology: A New Understanding to Unite or a New Science to Divide?. <i>Water (Switzerland)</i> , 2020 , 12, 1941	3	21
46	Cash-Based Interventions to Enhance Dignity in Persistent Humanitarian Refugee Crises: A System Dynamics Approach. <i>IEEE Transactions on Engineering Management</i> , 2020 , 1-18	2.6	3
45	Homeostatic representation for risk decision making: a novel multi-method simulation approach for evacuation under volcanic eruption. <i>Natural Hazards</i> , 2020 , 103, 29-56	3	2
44	An operational framework for communicating flood warnings to indigenous farmers in southern Nigeria: a systems thinking analysis. <i>Geo Journal</i> , 2020 , 1	2.2	2

43	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
42	Development of a construction performance index in the construction industry: system dynamics modelling approach. <i>International Journal of Construction Management</i> , 2020 , 1-12	1.9	6
41	Flood Evacuation Mapping Using a TimeDistance cartogram. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 207	2.9	1
40	A novel agent-based model for tsunami evacuation simulation and risk assessment. <i>Natural Hazards</i> , 2021 , 105, 2045-2071	3	12
39	Disaster Influencing Migratory Movements: A System Dynamics Analysis. <i>Springer Proceedings in Mathematics and Statistics</i> , 2021 , 265-277	0.2	
38	Flood Hazard Assessment for the Tori Levee Breach of the Indus River Basin, Pakistan. <i>Water</i> (Switzerland), 2021 , 13, 604	3	5
37	Flood evacuation during pandemic: a multi-objective framework to handle compound hazard. <i>Environmental Research Letters</i> , 2021 , 16, 034034	6.2	11
36	Dam Breach Flood Inundation Modeling for Aripir Dam, Sindh, Pakistan. 2021 ,		
35	Methodology for Determining the Nearest Destinations for the Evacuation of People and Equipment from a Disaster Area to a Safe Area. <i>Remote Sensing</i> , 2021 , 13, 2170	5	1
34	Risk Propagation of Concentralized Distribution Logistics Plan Change in Cruise Construction. <i>Processes</i> , 2021 , 9, 1398	2.9	2
33	Assessing the flood risk to evacuees in outdoor built environments and relative risk reduction strategies. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 64, 102493	4.5	4
32	Cross-Sectional Design and Linear Statistics in Vulnerability Research. 2013 , 73-86		1
31	Vulnerability Described Through Networks. 2013 , 117-128		1
30	The Role of Geographic Information Science & Technology in Disaster Management. <i>Handbooks of Sociology and Social Research</i> , 2018 , 311-330	0.7	6
29	A Disaster Management Metamodel (DMM) Validated. Lecture Notes in Computer Science, 2010, 111-12.	5 0.9	11
28	Simulating low and high streamflow driven by snowmelt in an insufficiently gauged alpine basin. 2016 , 30, 59		3
27	Potential of rooftop rainwater harvesting to meet outdoor water demand in arid regions. 2018 , 10, 68		3
26	A Regret Theory-Based Decision-Making Method for Urban Rail Transit in Emergency Response of Rainstorm Disaster. <i>Journal of Advanced Transportation</i> , 2020 , 2020, 1-12	1.9	4

Floods. 2010, 199-237 25 О Simulation, 113-174 24 Research. 2013, 335-376 23 Linear Accounts of Vulnerability. 2013, 87-101 The Development Perspective on Vulnerability. 2013, 37-53 21 Vulnerability Described Geographically. 2013, 103-116 20 Enhancing the Future of Vulnerability Theory. 2013, 143-160 19 Vulnerability Explored and Explained Dynamically. 2013, 129-141 18 Mass Disasters and Children Mental Health: How General Systems Theory and Behavioral 0.3 17 Economics Can Help. Integrating Psychiatry and Primary Care, 2019, 419-439 Decision-Making Model for Emergency Evacuation Based on the Lens Model Using Machine 16 Learning and Monte-Carlo Simulation for Incomplete Information Environment. Proceedings of the 0.4 Human Factors and Ergonomics Society, 2020, 64, 229-233 Modeling Evacuation Risk Using a Stochastic Process Formulation of Mesoscopic Dynamic Network 6.1 15 Loading. IEEE Transactions on Intelligent Transportation Systems, 2020, 1-13 Vehicle Priority Selection Algorithm for Evacuation Planning. Lecture Notes in Computer Science, 0.9 14 2008, 1222-1234 Emergency Decision Making Fuzzy-Expert Aided Disaster Management System. Studies in Fuzziness 13 0.7 and Soft Computing, 2022, 139-150 Evacuation simulation of multi-story buildings during earthquakes based on improved cellular automata model. Journal of Asian Architecture and Building Engineering, A statistical method for pre-estimating impacts from a disaster: A case study of floods in Kaduwela, 11 4.5 O Sri Lanka. International Journal of Disaster Risk Reduction, 2022, 103010 10 A Review of Surface Water Discharge Measurement Methods Using Remote Sensing. 2022, System dynamics applications in crisis management: A literature review. Journal of Simulation, 1-18 1.9 9 Understanding the Use of Heterogenous Data in Tackling Urban Flooding: An Integrative Literature Review. Water (Switzerland), 2022, 14, 2160

7	An integrated decision model for managing hospital evacuation in response to an extreme flood event: A case study of the Hawkesbury-Nepean River, NSW, Australia. <i>Safety Science</i> , 2022 , 155, 105867 ^{5.8}	1
6	The impact of self-evacuation from flood hazard areas on the equilibrium of the road transport. 2023 , 157, 105934	O
5	Risk Assessment for Critical Flood Height of Pedestrian Escape in Subway Station. 2022 , 14, 3409	1
4	Simulation investigation on crowd evacuation strategies for helping vulnerable pedestrians at different stages of egress. 2023 , 84, 103479	O
3	Evaluation of Emergency Response Capacity of Urban Pluvial Flooding Public Service Based on Scenario Simulation. 2022 , 19, 16542	O
2	DEVELOPMENT OF AN EVACUATION ROUTE SEARCH SYSTEM CONSIDERING THE DANGER TO LIFE IN DYNAMIC INUNDATION. 2022 , 78, I_1009-I_1014	O
1	Development of an integrated socio-hydrological modeling framework for assessing the impacts of shelter location arrangement and human behaviors on flood evacuation processes. 2023 , 27, 1607-1626	0