An agent-based simulation system for concert venue cr presence of a fire disaster

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Citation Report

#	Article	IF	CITATIONS
1	Humans do not Always Act Selfishly: Social Identity and Helping in Emergency Evacuation Simulation. Transportation Research Procedia, 2014, 2, 585-593.	0.8	37
2	Modeling framework for optimal evacuation of large-scale crowded pedestrian facilities. European Journal of Operational Research, 2014, 237, 1105-1118.	3.5	137
3	Co-FAIS: Cooperative fuzzy artificial immune system for detecting intrusion in wireless sensor networks. Journal of Network and Computer Applications, 2014, 42, 102-117.	5.8	88
4	Modeling an ontology on accessible evacuation routes for emergencies. Expert Systems With Applications, 2014, 41, 7124-7134.	4.4	42
5	From Mindless Masses to Small Groups: Conceptualizing Collective Behavior in Crowd Modeling. Review of General Psychology, 2015, 19, 215-229.	2.1	96
6	Planning and Executing Scenario Based Simulation Exercises: Methodological Lessons. Journal of Homeland Security and Emergency Management, 2015, 12, .	0.2	3
7	Applying building information modeling to support fire safety management. Automation in Construction, 2015, 59, 158-167.	4.8	130
8	A novel simulation framework based on information asymmetry to evaluate evacuation plan. Visual Computer, 2015, 31, 853-861.	2.5	13
9	Using geographic information systems to support decision making in disaster response. Intelligent Decision Technologies, 2016, 10, 193-207.	0.6	5
10	Using model-based simulation for augmenting Incident Command System for disaster response. , 2016, ,		1
11	A review of optimisation models for pedestrian evacuation and design problems. Safety Science, 2016, 87, 167-178.	2.6	199
12	A decision support system for coordinated disaster relief distribution. Expert Systems With Applications, 2016, 57, 104-116.	4.4	68
13	An Analysis of Evacuation under Fire Situation in Complex Shopping Center Using Evacuation Simulation Modeling. Procedia, Social and Behavioral Sciences, 2016, 218, 24-34.	0.5	16
14	A new approach for evacuation process in disaster relief with uncertainties. International Journal of Logistics Systems and Management, 2016, 24, 466.	0.2	1
15	Simulation of Evacuation Behaviors in Dynamically Changing Situations and Its Qualitative Validation. , 2016, , .		0
16	A first step in developing a DSS for responding to the detonation of an IND. Journal of Decision Systems, 2016, 25, 273-291.	2.2	0
17	Non-uniform hybrid strategy for architecting and modeling flight vehicle focused system-of-systems operations. Chinese Journal of Aeronautics, 2016, 29, 160-172.	2.8	4
18	Agent-based modeling and evolutionary computation for disseminating public advisories about hazardous material emergencies. Computers, Environment and Urban Systems, 2016, 57, 12-25.	3.3	21

		CITATION REPORT		
#	Article		IF	Citations
19	Modelling large-scale evacuation of music festivals. Case Studies in Fire Safety, 2016,	5, 11-19.	1.0	48
20	Airport Emergency Evacuation Planning: An Agent-Based Simulation Study of Dirty Bor IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1390-1403.	nb Scenarios.	5.9	35
21	Modeling pedestrians' interest in locations: A concept to improve simulations of p destination choice. Simulation Modelling Practice and Theory, 2016, 61, 47-62.	edestrian	2.2	29
22	Cooperative survival principles for underground flooding: Vitae System based multi-ag Expert Systems With Applications, 2017, 83, 379-395.	ent simulation.	4.4	20
23	Simulation modeling of pedestrian behavior in the presence of unmanned mobile robo Modelling Practice and Theory, 2017, 75, 96-112.	ts. Simulation	2.2	6
24	Agent-based Decision Support System for Technology Recommendation. Procedia Cor 2017, 108, 897-906.	nputer Science,	1.2	6
25	Developing an evacuation evaluation model for offshore oil and gas platforms using BI agent-based model. Automation in Construction, 2018, 89, 214-224.	M and	4.8	51
26	Agent-based geosimulation for assessment of urban emergency response plans. Arabia Geosciences, 2018, 11, 1.	ın Journal of	0.6	6
27	An agent-based simulation with NetLogo platform to evaluate forward osmosis proces Chinese Journal of Chemical Engineering, 2018, 26, 2487-2494.	s (PRO Mode).	1.7	5
28	Spice: a cognitive agent framework for computational crowd simulations in complex e Autonomous Agents and Multi-Agent Systems, 2018, 32, 387-416.	nvironments.	1.3	14
29	Crowd evacuation simulation approach based on navigation knowledge and two-layer mechanism. Information Sciences, 2018, 436-437, 247-267.	control	4.0	143
30	Modified two-layer social force model for emergency earthquake evacuation. Physica A Mechanics and Its Applications, 2018, 492, 1107-1119.	x: Statistical	1.2	78
31	Experimental study on occupant evacuation in narrow seat aisle. Physica A: Statistical Its Applications, 2018, 502, 506-517.	Mechanics and	1.2	15
32	Agent-based simulation with NetLogo to evaluate ambient intelligence scenarios. Jourr Simulation, 2018, 12, 42-52.	nal of	1.0	11
33	A VR-based, hybrid modeling approach to fire evacuation simulation. , 2018, , .			2
34	Agent-based Crowd Simulation Modeling in a Gaming Environment. , 2018, , .			0
35	Designing price-contingent vegetable rotation schedules using agent-based simulation Integrative Agriculture, 2018, 17, 461-472.	ı. Journal of	1.7	2
37	Are Seat and Aisle Interferences Affecting the Overall Airplane Boarding Time? An Ager Approach. Sustainability, 2018, 10, 4217.	it-Based	1.6	18

#	Article	IF	Citations
38	Design and Implementation of a Smart IoT Based Building and Town Disaster Management System in Smart City Infrastructure. Applied Sciences (Switzerland). 2018. 8. 2239.	1.3	65
39	Modeling Family Behavior in Crowd Simulation. , 2018, , .		2
40	Social Network Analysis of a Disaster Behavior Network: An Agent-Based Modeling Approach. , 2018, , .		4
41	Agent-Based Simulation for Coordination Emergency Response: A Review Study. , 2018, , .		2
43	An intelligent multi-agent based decision support system for refugee settlement siting. International Journal of Disaster Risk Reduction, 2018, 31, 576-588.	1.8	38
44	MOVICLOUD: Agent-Based 3D Platform for the Labor Integration of Disabled People. Applied Sciences (Switzerland), 2018, 8, 337.	1.3	11
45	Optimization of grouping evacuation strategy in high-rise building fires based on graph theory and computational experiments. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 1104-1112.	8.5	18
46	Agent-Based Decision-Information System Supporting Effective Resource Management ofÂCompanies. Lecture Notes in Computer Science, 2018, , 309-318.	1.0	1
47	Modeling and analysis of a bus fire accident for evaluation of fire safety door using the fire dynamics simulator. Cluster Computing, 2019, 22, 14973-14981.	3.5	6
48	Agent-based discrete-event simulation model for no-notice natural disaster evacuation planning. Computers and Industrial Engineering, 2019, 129, 44-55.	3.4	39
49	Panic, Irrationality, and Herding: Three Ambiguous Terms in Crowd Dynamics Research. Journal of Advanced Transportation, 2019, 2019, 1-58.	0.9	41
50	Enhancing emergency pedestrian safety through flow rate design: Bayesian-Nash Equilibrium in multi-agent system. Computers and Industrial Engineering, 2019, 137, 106058.	3.4	7
51	Finite-Time Control of One Dimensional Crowd Evacuation System. Journal of Advanced Transportation, 2019, 2019, 1-9.	0.9	3
52	A hybrid machine-learning and optimization method for contraflow design in post-disaster cases and traffic management scenarios. Expert Systems With Applications, 2019, 124, 67-81.	4.4	15
53	A Group Evacuation Method for Smart Buildings. IFIP Advances in Information and Communication Technology, 2019, , 206-213.	0.5	2
54	Highlights of Practical Applications of Survivable Agents and Multi-Agent Systems. The PAAMS Collection. Communications in Computer and Information Science, 2019, , .	0.4	0
55	An emotional contagion based simulation for emergency evacuation peer behavior decision. Simulation Modelling Practice and Theory, 2019, 96, 101936.	2.2	20
56	OR/MS research perspectives in disaster operations management: a literature review. Revista Facultad De IngenierÃa, 2019, , .	0.5	0

#	Article	IF	CITATIONS
57	Increasing awareness in classroom evacuation situations using agent-based modeling. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 1400-1418.	1.2	35
58	Affective analytics of demonstration sites. Engineering Applications of Artificial Intelligence, 2019, 81, 346-372.	4.3	17
59	Imitative (herd) behaviour in direction decision-making hinders efficiency of crowd evacuation processes. Safety Science, 2019, 114, 49-60.	2.6	50
60	Investigating manufacturing small and medium-sized enterprises' immediate response and short-term recovery from flooding using an agent-based approach. International Journal of Simulation and Process Modelling, 2019, 14, 87.	0.1	0
61	Analyzing Emergency Evacuation Strategies For Large Buildings Using Crowd Simulation Framework. , 2019, , .		4
62	Analysis of Walking-Edge Effect in Train Station Evacuation Scenarios: A Sustainable Transportation Perspective. Sustainability, 2019, 11, 7188.	1.6	2
63	Saturation control for two dimensional disturbed crowd dynamic system. , 2019, , .		0
64	Agent-based Simulation for IoT Facilitated Building Evacuation. , 2019, , .		7
65	Simulating evacuation crowd with emotion and personality. Artificial Life and Robotics, 2019, 24, 59-67.	0.7	10
66	Simulation Research on Safe Flow Rate of Bidirectional Crowds Using Bayesian-Nash Equilibrium. Complexity, 2019, 2019, 1-15.	0.9	2
67	Analysis of crowd stampede risk mechanism. Kybernetes, 2019, 48, 124-142.	1.2	5
68	3D visual simulation of individual and crowd behavior in earthquake evacuation. Simulation, 2019, 95, 65-81.	1.1	18
69	BIM-based building fire emergency management: Combining building users' behavior decisions. Automation in Construction, 2020, 109, 102975.	4.8	63
70	Research Issues in Agent-Based Simulation for Pedestrians Evacuation. IEEE Access, 2020, 8, 134435-134455.	2.6	22
71	Mining government tweets to identify and predict citizens engagement. Technology in Society, 2020, 60, 101211.	4.8	36
72	Pedestrian evacuation within limited-space buildings based on different exit design schemes. Safety Science, 2020, 124, 104575.	2.6	32
73	Crowd simulation for crisis management: The outcomes of the last decade. Machine Learning With Applications, 2020, 2, 100009.	3.0	11
74	GPUAnimats—Simulating animats, an agentâ€based, artificial life model on graphical processing units. Concurrency Computation Practice and Experience, 2020, 32, e5968.	1.4	1

#	Article	IF	CITATIONS
75	Modeling Human Evacuating Behavior in Limited Space Based on Cellular Automata Model. Complexity, 2020, 2020, 1-11.	0.9	1
76	A Turing test for crowds. Royal Society Open Science, 2020, 7, 200307.	1.1	3
77	Unit Sliding Mode Control for Disturbed Crowd Dynamics System Based on Integral Barrier Lyapunov Function. IEEE Access, 2020, 8, 91257-91264.	2.6	12
78	Quality management in humanitarian operations and disaster relief management: a review and future research directions. Annals of Operations Research, 2022, 319, 1045-1098.	2.6	47
79	Simulated effectiveness of a car evacuation from a tsunami. International Journal of Disaster Risk Reduction, 2020, 47, 101532.	1.8	32
80	A BIM-based simulation framework for fire safety management and investigation of the critical factors affecting human evacuation performance. Advanced Engineering Informatics, 2020, 44, 101093.	4.0	75
81	FluidsNet: End-to-end learning for Lagrangian fluid simulation. Expert Systems With Applications, 2020, 152, 113410.	4.4	9
82	Investigating the Exits' Symmetry Impact on the Evacuation Process of Classrooms and Lecture Halls: An Agent-Based Modeling Approach. Symmetry, 2020, 12, 627.	1.1	12
83	A balanced evacuation algorithm for facilities with multiple exits. European Journal of Operational Research, 2021, 289, 285-296.	3.5	21
84	Risk Reduction Strategies against Terrorist Acts in Urban Built Environments: Towards Sustainable and Human-Centred Challenges. Sustainability, 2021, 13, 901.	1.6	12
85	Emergency Evacuation Planning via the Point of View on the Relationship Between Crowd Density and Moving Speed. Wireless Personal Communications, 2021, 119, 2577-2602.	1.8	5
86	A Synchronized and Dynamic Distributed Graph structure to allow the native distribution of Multi-Agent System simulations. , 2021, , .		3
87	Adaptive Agent-Based Modeling Framework for Collective Decision-Making in Crowd Building Evacuation. Journal of Shanghai Jiaotong University (Science), 2021, 26, 522.	0.5	2
88	A Methodology of Workshops to Explore Mutual Assistance Activities for Earthquake Disaster Mitigation. International Journal of Environmental Research and Public Health, 2021, 18, 3814.	1.2	5
89	On the effectiveness of multi-feature evacuation systems: an agent-based exploratory simulation study. PeerJ Computer Science, 2021, 7, e531.	2.7	3
90	Recognizing the effective factors in managing fire incidents to reduce the collateral damages and casualties. Facilities, 2021, 39, 805-827.	0.8	9
91	Built Environment Typologies Prone to Risk: A Cluster Analysis of Open Spaces in Italian Cities. Sustainability, 2021, 13, 9457.	1.6	15
92	An Agent-Based Ship Firefighting Model. Journal of Marine Science and Engineering, 2021, 9, 902.	1.2	6

#	Article	IF	CITATIONS
93	Why do people make risky decisions during a fire evacuation? Study on the effect of smoke level, individual risk preference, and neighbor behavior. Safety Science, 2021, 140, 105245.	2.6	40
94	The knowledge domain of crowd dynamics: Anatomy of the field, pioneering studies, temporal trends, influential entities and outside-domain impact. Physica A: Statistical Mechanics and Its Applications, 2021, 580, 126145.	1.2	29
95	A fog assisted intelligent framework based on cyber physical system for safe evacuation in panic situations. Computer Communications, 2021, 178, 297-306.	3.1	21
96	Pedestrian evacuation simulation in indoor emergency situations: Approaches, models and tools. Safety Science, 2021, 142, 105378.	2.6	25
97	Agent-based modeling and simulation in construction. Automation in Construction, 2021, 131, 103882.	4.8	41
98	Meta-analysis of the strategies for self-healing and resilience in power systems. Advances in Applied Energy, 2021, 4, 100036.	6.6	23
99	Evacuation Simulation Incorporating Safety Signs and Information Sharing. Lecture Notes in Computer Science, 2015, , 240-251.	1.0	1
100	Agent-Based Modeling Approach in Understanding Behavior During Disasters: Measuring Response and Rescue in eBayanihan Disaster Management Platform. Lecture Notes in Computer Science, 2017, , 46-52.	1.0	4
101	An Adaptive Simulation Tool for Evacuation Scenarios. Lecture Notes in Computer Science, 2017, , 766-777.	1.0	2
102	Crowd response considering herd effect and exit familiarity under emergent occasions: A case study of an evacuation drill experiment. Physica A: Statistical Mechanics and Its Applications, 2020, 556, 124654.	1.2	12
103	Simulating Evacuation Crowd with Emo-tion and Personality. Advances in Distributed Computing and Artificial Intelligence Journal, 2019, 7, 35-43.	1.1	1
104	An Evacuation Simulator for Exploring Mutual Assistance Activities in Neighborhood Communities for Earthquake Disaster Mitigation. International Review for Spatial Planning and Sustainable Development, 2018, 6, 18-31.	0.6	2
105	Easing Parameter Sensitivity Analysis of Netlogo Simulations Using SPARTAN. , 0, , .		1
106	Simulation Model for Disasters and Emergencies Management for Safety and Security in Industrial Plants. , 2014, , .		0
108	Crowd Evacuation Simulation. , 2016, , 1-13.		0
109	Crowd Evacuation Simulation. , 2018, , 2255-2267.		0
110	Modelación y simulación de comportamientos humanos en situaciones de emergencia en un call center: una revisión crÃŧica de literatura. IngenierÃas USBMed, 2018, 9, 97-111.	0.1	4
111	A Two-Phase Context-Aware Approach to Emergency Evacuation in Smart Buildings. Communications in Computer and Information Science, 2019, , 234-245.	0.4	0

#	Article	IF	CITATIONS
112	Realistic Pedestrian Simulation Based on the Environmental Attention Model. Lecture Notes in Computer Science, 2019, , 402-409.	1.0	0
113	Yardım malzemesi dağıtım operasyonlarının simülasyon ile analizi. Journal of the Faculty of Engineer and Architecture of Gazi University, 0, , .	ing 0:3	2
114	Büro Binaları Acil Tahliye Senaryolarının Simülasyon Destekli Oluşturulması. Academic Platform Journal of Engineering and Science, 0, , 541-549.	0.5	0
115	An Information Recognition System for Complex Images. Advances in Distributed Computing and Artificial Intelligence Journal, 2020, 8, 79-93.	1.1	0
116	Constructing Constraint-Based Simulation System for Creating Emergency Evacuation Plans: A Case of an Outpatient Chemotherapy Area at a Cancer Medical Center. Healthcare (Switzerland), 2020, 8, 137.	1.0	11
117	A Humanitarian Logistics-Based Planning for Rescue and Relief Operation After a Devastating Fire Accident. Operations and Supply Chain Management, 0, , 51-61.	0.0	2
118	Extended Model Space Specification for Mobile Agent-Based Systems to Support Automated Discovery of Simulation Models. , 2020, , .		1
119	Multiagent evacuation framework for a virtual fire emergency scenario based on generative adversarial imitation learning. Computer Animation and Virtual Worlds, 2022, 33, .	0.7	3
120	Disruptive technologies as a solution for disaster risk management: A review. Science of the Total Environment, 2022, 806, 151351.	3.9	55
121	Research on Efficient Evacuation during Earthquake Considering Human Relationships in Society. , 2020, , .		0
122	How to promote residents' use of green space: An empirically grounded agent-based modeling approach. Urban Forestry and Urban Greening, 2022, 67, 127435.	2.3	23
123	Data-driven Crowd Modeling Techniques: A Survey. ACM Transactions on Modeling and Computer Simulation, 2022, 32, 1-33.	0.6	9
124	Study on Evacuation Behavior of Urban Underground Complex in Fire Emergency Based on System Dynamics. Sustainability, 2022, 14, 1343.	1.6	13
125	Simulation of Evacuation from Stadiums and Entertainment Arenas of Different Epochs on the Example of the Roman Colosseum and the Gazprom Arena. Fire, 2022, 5, 20.	1.2	4
126	A simulation-based decision support tool for dynamic post-disaster pedestrian evacuation. Decision Support Systems, 2022, 157, 113743.	3.5	8
127	A Multi-agent Based Evacuation Planning for Disaster Management: A Narrative Review. Archives of Computational Methods in Engineering, 2022, 29, 4085-4113.	6.0	11
128	Evaluating Classical Airplane Boarding Methods for Passenger Health during Normal Times. Applied Sciences (Switzerland), 2022, 12, 3235.	1.3	3
129	A spatial agent-based model for preemptive evacuation decisions during typhoon. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
130	Examination of Diffusion Patterns of Tornado Warning Using an Agent-Based Model and Simulation. Weather, Climate, and Society, 2022, 14, 521-533.	0.5	0
131	Large Event Halls Evacuation Using an Agent-Based Modeling Approach. IEEE Access, 2022, 10, 49359-49384.	2.6	7
132	Quantitative Models for Interdependent Functionality and Recovery of Critical Infrastructure Systems. , 2022, , 127-229.		2
133	A multiagent-based modeling approach for emergency evacuation plan optimization during toxic gas releases within chemical plants. Chemical Engineering Research and Design, 2022, 163, 543-557.	2.7	7
136	Influence of Compartment Fire Behavior at Ignition and Combustion Development Stages on the Operation of Fire Detectors. Fire, 2022, 5, 84.	1.2	6
137	A review on passenger emergency evacuation from multimodal transportation hubs. Journal of Traffic and Transportation Engineering (English Edition), 2022, 9, 591-607.	2.0	6
138	Crowd-Sourced Identification of Characteristics of Collective Human Motion. Artificial Life, 0, , 1-22.	1.0	1
139	Smart and Dynamic Indoor Evacuation System (SDIES). International Journal of Distributed Artificial Intelligence, 2022, 14, 1-23.	0.6	0
140	Why Do We Conduct the Study. , 2022, , 1-13.		0
141	An emergency aircraft evacuation simulation considering passenger overtaking and luggage retrieval. Reliability Engineering and System Safety, 2023, 229, 108851.	5.1	7
142	Efficient simulation of natural hazard evacuation for seacoast cities. International Journal of Disaster Risk Reduction, 2022, 81, 103300.	1.8	0
143	Effects of Various Barricades on Human Crowd Movement Flow. Lecture Notes in Networks and Systems, 2023, , 493-510.	0.5	0
144	Applications of Multi-Agent Systems in Unmanned Surface Vessels. Electronics (Switzerland), 2022, 11, 3182.	1.8	3
145	Assessing micro-mobility services in pandemics for studying the 10-minutes cities concept in India using geospatial data analysis. , 2022, , .		1
146	Risk Evaluation in Public Spaces Evacuation. Eurasian Studies in Business and Economics, 2022, , 127-141.	0.2	0
147	Assessing evacuation performance of pedestrians within narrow seated spaces. Safety Science, 2023, 160, 106046.	2.6	1
148	Evaluating ticket gate directional restrictions using simulations of pedestrian flow considering stationary people in a railroad station concourse. Journal of Asian Architecture and Building Engineering, 0, , 1-16.	1.2	0
149	A Personality-based Model of Emotional Contagion and Control in Crowd Queuing Simulations. ACM Transactions on Modeling and Computer Simulation, 2023, 33, 1-23.	0.6	2

		CITATION REPORT		
#	Article		IF	CITATIONS
150	Crowd Evacuation Conflicts Simulation Based Cellular Automaton Integrating Game Th	ieory. , 2022, , .		0
151	Key influence factors onÂtheÂevacuation route selection for fire emergencies in urban complexes. Engineering, Construction and Architectural Management, 0, , .	underground	1.8	1
162	Collective Movement Simulation: Methods and Applications. , 0, , .			0