

Bhakti SS Onggo

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,077
citations

567281

15
h-index

552781

26
g-index

45
all docs

45
docs citations

45
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	How simulation modelling can help reduce the impact of COVID-19. Journal of Simulation, 2020, 14, 83-97.	1.5	261
2	Strengthening the reporting of empirical simulation studies: Introducing the STRESS guidelines. Journal of Simulation, 2019, 13, 55-67.	1.5	112
3	Applications of agent-based modelling and simulation in the agri-food supply chains. European Journal of Operational Research, 2018, 269, 794-805.	5.7	94
4	Agri-food supply chains with stochastic demands: A multi-period inventory routing problem with perishable products. Simulation Modelling Practice and Theory, 2019, 97, 101970.	3.8	69
5	Small Island Developing States (SIDS) COVID-19 post-pandemic tourism recovery: A system dynamics approach. Current Issues in Tourism, 2022, 25, 1481-1508.	7.2	43
6	Simulation, Optimization, and Machine Learning in Sustainable Transportation Systems: Models and Applications. Sustainability, 2021, 13, 1551.	3.2	41
7	Capturing the Impact of COVID-19 on Construction Projects in Developing Countries: A Case Study of Iraq. Journal of Management in Engineering - ASCE, 2022, 38, .	4.8	36
8	The Role of Simulation and Serious Games in Teaching Concepts on Circular Economy and Sustainable Energy. Energies, 2021, 14, 1138.	3.1	34
9	SYMBIOTIC SIMULATION SYSTEM: HYBRID SYSTEMS MODEL MEETS BIG DATA ANALYTICS. , 2018, , .		33
10	Hybrid Simulation: Historical lessons, present challenges and futures. , 2016, , .		32
11	Test-driven simulation modelling: A case study using agent-based maritime search-operation simulation. European Journal of Operational Research, 2016, 254, 517-531.	5.7	30
12	Towards fully-facilitated discrete event simulation modelling: Addressing the model coding stage. European Journal of Operational Research, 2017, 263, 583-595.	5.7	28
13	A BPMN extension to support discrete-event simulation for healthcare applications: an explicit representation of queues, attributes and data-driven decision points. Journal of the Operational Research Society, 2018, 69, 788-802.	3.4	28
14	Towards a unified conceptual model representation: a case study in healthcare. Journal of Simulation, 2009, 3, 40-49.	1.5	26
15	Adult Social Care Workforce Analysis in England. International Journal of System Dynamics Applications, 2012, 1, 1-20.	0.3	19
16	Optimising the barrier coverage of a wireless sensor network with hub-and-spoke topology using mathematical and simulation models. Computers and Operations Research, 2019, 106, 36-48.	4.0	19
17	Data identification and data collection methods in simulation: a case study at ORH Ltd. Journal of Simulation, 2014, 8, 195-205.	1.5	17
18	Food supply chain management in disaster events: A systematic literature review. International Journal of Disaster Risk Reduction, 2022, 79, 103183.	3.9	17

#	ARTICLE	IF	CITATIONS
19	Combining symbiotic simulation systems with enterprise data storage systems for real-time decision-making. Enterprise Information Systems, 2021, 15, 230-247.	4.7	16
20	Hybrid Modelling and Simulation (M&S): Driving Innovation in the Theory and Practice of M&S. , 2020, , .		15
21	Symbiotic simulation for the operational management of inpatient beds: model development and validation using Î”-method. Health Care Management Science, 2020, 23, 153-169.	2.6	12
22	Symbiotic Simulation System (S3) for Industry 4.0. Springer Series in Advanced Manufacturing, 2019, , 153-165.	0.5	9
23	Comparison of Outcomes of In-Centre Haemodialysis Patients between the 1st and 2nd COVID-19 Outbreak in England, Wales, and Northern Ireland: A UK Renal Registry Analysis. Nephron, 2022, 146, 469-480.	1.8	9
24	Elements of a hybrid simulation model: A case study of the blood supply chain in low- and middle-income countries. , 2014, , .		8
25	Credible Agent-Based Simulation “An Illusion or Only A Step Away”. , 2019, , .		7
26	Eliciting agents’™ behaviour using scenario-based questionnaire in agent-based dairy supply chain simulation. Journal of Simulation, 2022, 16, 58-72.	1.5	7
27	Parallel discrete-event simulation of population dynamics. , 2008, , .		6
28	Using agent-based simulation to analyse the effect of broadcast and narrowcast on public perception: A case in social risk amplification. , 2014, , .		5
29	Validating an integer non-linear program optimization model of a wireless sensor network using agent-based simulation. , 2016, , .		5
30	MULTI-FIDELITY SIMULATION OPTIMISATION FOR AIRLINE DISRUPTION MANAGEMENT. , 2018, , .		5
31	Eliciting agents’™ behaviour and model validation using role playing game in agent-based dairy supply chain model. Journal of the Operational Research Society, 2022, 73, 2670-2693.	3.4	5
32	A multi-fidelity modelling approach for airline disruption management using simulation. Journal of the Operational Research Society, 2022, 73, 2228-2241.	3.4	4
33	GAM on! Six ways to explore social complexity by combining games and agent-based models. International Journal of Social Research Methodology: Theory and Practice, 0, , 1-15.	4.4	4
34	Simulation Optimization for a Digital Twin Using a Multi-Fidelity Framework. , 2021, , .		4
35	Simulation of Career Development in the European Commission. Interfaces, 2010, 40, 184-195.	1.5	3
36	Agent-based model of maritime search operations: A validation using test-driven simulation modelling. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	APPLYING THE STRESS GUIDELINES FOR REPRODUCIBILITY IN MODELING & SIMULATION: APPLICATION TO A DISEASE MODELING CASE STUDY. , 2018, , .		3
38	A Dynamic Business Model for Component-Based Simulation Software. , 2006, , .		2
39	AGENT-BASED SIMHEURISTICS: EXTENDING SIMULATION-OPTIMIZATION ALGORITHMS VIA DISTRIBUTED AND PARALLEL COMPUTING. , 2018, , .		2
40	A Framework for Formalization and Strictness Analysis of Simulation Event Orderings. Simulation, 2005, 81, 325-335.	1.8	1
41	An Inventory-Routing Problem with Stochastic Demand and Stock-Out: A Solution and Risk Analysis Using Simheuristics. , 2019, , .		1
42	Social Amplification of Risk Framework: An Agent-Based Approach. Advances in Intelligent Systems and Computing, 2017, , 335-339.	0.6	1
43	Agent-Based Modeling and Simulation For Business and Management: A Review and Tutorial. , 2021, , .		1
44	What Can System Dynamics Do for You?. Impact, 2021, 2021, 20-23.	0.2	0
45	On the Scarcity of Observations when Modelling Random Inputs and the Quality of Solutions to Stochastic Optimisation Problems. , 2020, , .		0