

# Bhakti SS Onggo

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,077  
citations

566801

15  
h-index

552369

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eliciting agents'™ behaviour using scenario-based questionnaire in agent-based dairy supply chain simulation. <i>Journal of Simulation</i> , 2022, 16, 58-72.	1.0	7
2	Small Island Developing States (SIDS) COVID-19 post-pandemic tourism recovery: A system dynamics approach. <i>Current Issues in Tourism</i> , 2022, 25, 1481-1508.	4.6	43
3	A multi-fidelity modelling approach for airline disruption management using simulation. <i>Journal of the Operational Research Society</i> , 2022, 73, 2228-2241.	2.1	4
4	Capturing the Impact of COVID-19 on Construction Projects in Developing Countries: A Case Study of Iraq. <i>Journal of Management in Engineering - ASCE</i> , 2022, 38, .	2.6	36
5	Eliciting agents'™ behaviour and model validation using role playing game in agent-based dairy supply chain model. <i>Journal of the Operational Research Society</i> , 2022, 73, 2670-2693.	2.1	5
6	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. <i>Nephron</i> , 2022, 146, 469-480.	0.9	9
7	Food supply chain management in disaster events: A systematic literature review. <i>International Journal of Disaster Risk Reduction</i> , 2022, 79, 103183.	1.8	17
8	Combining symbiotic simulation systems with enterprise data storage systems for real-time decision-making. <i>Enterprise Information Systems</i> , 2021, 15, 230-247.	3.3	16
9	What Can System Dynamics Do for You?. <i>Impact</i> , 2021, 2021, 20-23.	0.2	0
10	The Role of Simulation and Serious Games in Teaching Concepts on Circular Economy and Sustainable Energy. <i>Energies</i> , 2021, 14, 1138.	1.6	34
11	Simulation, Optimization, and Machine Learning in Sustainable Transportation Systems: Models and Applications. <i>Sustainability</i> , 2021, 13, 1551.	1.6	41
12	Simulation Optimization for a Digital Twin Using a Multi-Fidelity Framework. , 2021, , .		4
13	Agent-Based Modeling and Simulation For Business and Management: A Review and Tutorial. , 2021, , .		1
14	Symbiotic simulation for the operational management of inpatient beds: model development and validation using P <sup>2</sup> -method. <i>Health Care Management Science</i> , 2020, 23, 153-169.	1.5	12
15	How simulation modelling can help reduce the impact of COVID-19. <i>Journal of Simulation</i> , 2020, 14, 83-97.	1.0	261
16	Hybrid Modelling and Simulation (M&S): Driving Innovation in the Theory and Practice of M&S. , 2020, , .		15
17	On the Scarcity of Observations when Modelling Random Inputs and the Quality of Solutions to Stochastic Optimisation Problems. , 2020, , .		0
18	Agri-food supply chains with stochastic demands: A multi-period inventory routing problem with perishable products. <i>Simulation Modelling Practice and Theory</i> , 2019, 97, 101970.	2.2	69

#	ARTICLE	IF	CITATIONS
19	Symbiotic Simulation System (S3) for Industry 4.0. Springer Series in Advanced Manufacturing, 2019, , 153-165.	0.2	9
20	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.	2.4	19
21	Credible Agent-Based Simulation â€œ An Illusion or Only A Step Away? , 2019, , .		7
22	An Inventory-Routing Problem with Stochastic Demand and Stock-Out: A Solution and Risk Analysis Using Simheuristics. , 2019, , .		1
23	Strengthening the reporting of empirical simulation studies: Introducing the STRESS guidelines. Journal of Simulation, 2019, 13, 55-67.	1.0	112
24	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.	2.1	28
25	Applications of agent-based modelling and simulation in the agri-food supply chains. European Journal of Operational Research, 2018, 269, 794-805.	3.5	94
26	SYMBIOTIC SIMULATION SYSTEM: HYBRID SYSTEMS MODEL MEETS BIG DATA ANALYTICS. , 2018, , .		33
27	AGENT-BASED SIMHEURISTICS: EXTENDING SIMULATION-OPTIMIZATION ALGORITHMS VIA DISTRIBUTED AND PARALLEL COMPUTING. , 2018, , .		2
28	MULTI-FIDELITY SIMULATION OPTIMISATION FOR AIRLINE DISRUPTION MANAGEMENT. , 2018, , .		5
29	APPLYING THE STRESS GUIDELINES FOR REPRODUCIBILITY IN MODELING & SIMULATION: APPLICATION TO A DISEASE MODELING CASE STUDY. , 2018, , .		3
30	Towards fully-facilitated discrete event simulation modelling: Addressing the model coding stage. European Journal of Operational Research, 2017, 263, 583-595.	3.5	28
31	Social Amplification of Risk Framework: An Agent-Based Approach. Advances in Intelligent Systems and Computing, 2017, , 335-339.	0.5	1
32	Hybrid Simulation: Historical lessons, present challenges and futures. , 2016, , .		32
33	Validating an integer non-linear program optimization model of a wireless sensor network using agent-based simulation. , 2016, , .		5
34	Test-driven simulation modelling: A case study using agent-based maritime search-operation simulation. European Journal of Operational Research, 2016, 254, 517-531.	3.5	30
35	Agent-based model of maritime search operations: A validation using test-driven simulation modelling. , 2015, , .		3
36	Using agent-based simulation to analyse the effect of broadcast and narrowcast on public perception: A case in social risk amplification. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
37	Elements of a hybrid simulation model: A case study of the blood supply chain in low- and middle-income countries. , 2014, , .		8
38	Data identification and data collection methods in simulation: a case study at ORH Ltd. Journal of Simulation, 2014, 8, 195-205.	1.0	17
39	Adult Social Care Workforce Analysis in England. International Journal of System Dynamics Applications, 2012, 1, 1-20.	0.3	19
40	Simulation of Career Development in the European Commission. Interfaces, 2010, 40, 184-195.	1.6	3
41	Towards a unified conceptual model representation: a case study in healthcare. Journal of Simulation, 2009, 3, 40-49.	1.0	26
42	Parallel discrete-event simulation of population dynamics. , 2008, , .		6
43	A Dynamic Business Model for Component-Based Simulation Software. , 2006, , .		2
44	A Framework for Formalization and Strictness Analysis of Simulation Event Orderings. Simulation, 2005, 81, 325-335.	1.1	1
45	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.	2.3	4