Navonil Mustafee

List of Publications by Citations

111	1,618	20	36
papers	citations	h-index	g-index
130	2,050	2.8	5.24
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
111	Applications of simulation within the healthcare context. *Journal of the Operational Research Society*, **2011**, 62, 1431-1451	2	168
110	Hybrid simulation modelling in operational research: A state-of-the-art review. *European Journal of Operational Research*, **2019**, 278, 721-737	5.6	119
109	Rethinking health systems strengthening: key systems thinking tools and strategies for transformational change. *Health Policy and Planning*, **2012**, 27 Suppl 4, iv54-61	3.4	118
108	Investigating the feasibility of supply chain-centric business models in 3D chocolate printing: A simulation study. *Technological Forecasting and Social Change*, **2016**, 102, 202-213	9.5	75
107	Profiling Literature in Healthcare Simulation. *Simulation*, **2010**, 86, 543-558	1.2	66
106	A game-based approach towards facilitating decision making for perishable products: An example of blood supply chain. *Expert Systems With Applications*, **2014**, 41, 4043-4059	7.8	52
105	Facilitating the Analysis of a UK National Blood Service Supply Chain Using Distributed Simulation. *Simulation*, **2009**, 85, 113-128	1.2	51
104	Edutainment for Sustainable Development: A Survey of Games in the Field. *Simulation and Gaming*, **2015**, 46, 647-672	1.9	48
103	Profiling a decade of Information Systems Frontiers research. *Information Systems Frontiers*, **2009**, 11, 87-102	4	43
102	System-focused risk identification and assessment for disaster preparedness: Dynamic threat analysis. *European Journal of Operational Research*, **2016**, 254, 550-564	5.6	41
101	Towards Simulating the Internet of Things **2014**,		37
100	Thinking about complexity in health: A systematic review of the key systems thinking and complexity ideas in health. *Journal of Evaluation in Clinical Practice*, **2018**, 24, 600-606	2.5	36
99	It's unwritten in the Cloud: the technology enablers for realising the promise of Cloud Computing. *Journal of Enterprise Information Management*, **2010**, 23, 673-679	4.4	33
98	A conceptual framework for hybrid system dynamics and discrete event simulation for healthcare. *Journal of Enterprise Information Management*, **2013**, 26, 50-74	4.4	31
97	Widening requirements capture with soft methods: an investigation of hybrid M&S studies in health care. *Journal of the Operational Research Society*, **2017**, 68, 1211-1222	2	26
96	**2012**,		24
95	SYMBIOTIC SIMULATION SYSTEM: HYBRID SYSTEMS MODEL MEETS BIG DATA ANALYTICS **2018**,		24

94	**2016**,		23
93	Exploring the modelling and simulation knowledge base through journal co-citation analysis. *Scientometrics*, **2014**, 98, 2145-2159	3	21
92	Cost-effective workforce planning: optimising the dental team skill-mix for England. *Journal of Enterprise Information Management*, **2013**, 26, 91-108	4.4	20
91	Purpose and benefits of hybrid simulation: Contributing to the convergence of its definition **2017**,		19
90	Comparing conventional and distributed approaches to simulation in a complex supply-chain health system. *Journal of the Operational Research Society*, **2009**, 60, 43-51	2	19
89	FROM HYBRID SIMULATION TO HYBRID SYSTEMS MODELLING **2018**,		19
88	Operations research within UK healthcare: a review. *Journal of Enterprise Information Management*, **2013**, 26, 21-49	4.4	17
87	Speeding up simulation applications using WinGrid. *Concurrency Computation Practice and Experience*, **2009**, 21, 1504-1523	1.4	16
86	Profiling research published in theJournal of Enterprise Information Management(JEIM). *Journal of Enterprise Information Management*, **2010**, 23, 8-26	4.4	16
85	A robust stochastic Casualty Collection Points location problem. *European Journal of Operational Research*, **2019**, 279, 965-983	5.6	15
84	Soft OR approaches in problem formulation stage of a hybrid M&S study **2014**,		15
83	Modelling and simulation of operation and maintenance strategy for offshore wind farms based on multi-agent system. *Journal of Intelligent Manufacturing*, **2019**, 30, 2981-2997	6.7	15
82	Hybrid models as transdisciplinary research enablers. *European Journal of Operational Research*, **2021**, 291, 1075-1090	5.6	15
81	Analysing trade-offs in container loading: combining load plan construction heuristics with agent-based simulation. *International Transactions in Operational Research*, **2013**, 20, 471-491	2.9	14
80	The blood supply game **2010**,		14
79	Facets of trust in simulation studies. *European Journal of Operational Research*, **2021**, 289, 197-213	5.6	14
78	Exploring the E-science Knowledge Base through Co-citation Analysis. *Procedia Computer Science*, **2013**, 19, 586-593	1.6	12
77	A survey of serious games on sustainable development **2012**,		12

76	Ontology Engineering for Simulation Component Reuse. *International Journal of Enterprise Information Systems*, **2008**, 4, 47-61	1.1	11
75	Motivations and barriers in using distributed supply chain simulation. *International Transactions in Operational Research*, **2012**, 19, 733-751	2.9	10
74	Distributed computing and modeling & simulation: Speeding up simulations and creating large models **2011**,		10
73	SCS: 60 years and counting! A time to reflect on the Society's scholarly contribution to M&S from the turn of the millennium. *Simulation*, **2012**, 88, 1047-1071	1.2	10
72	Commercial-Off-The-Shelf Simulation Package interoperability: Issues and futures **2009**,		10
71	A profile of OR research and practice published in the Journal of the Operational Research Society. *Journal of the Operational Research Society*, **2010**, 61, 82-94	2	10
70	An investigation into modeling and simulation approaches for sustainable operations management. *Simulation*, **2016**, 92, 907-919	1.2	9
69	**2015**,		9
68	An investigation of Hybrid Simulation for modeling sustainability in healthcare **2015**,		9
67	Using simulation to evaluate a blood supply network in the Canadian maritime provinces. *Journal of Enterprise Information Management*, **2013**, 26, 119-134	4.4	8
66	**2013**,		8
65	An Analysis of Literature on Consumer Adoption and Diffusion of Information System/Information Technology/Information and Communication Technology. *International Journal of Electronic Government Research*, **2010**, 6, 58-73	0.7	8
64	A multi-methodology agent-based approach for Container Loading **2011**,		8
63	A Comparison of CMB- and HLA-Based Approaches to Type I Interoperability Reference Model Problems for COTS-Based Distributed Simulation. *Simulation*, **2005**, 81, 33-43	1.2	8
62	HYBRID SIMULATION CHALLENGES AND OPPORTUNITIES: A LIFE-CYCLE APPROACH **2018**,		8
61	A hybrid approach using forecasting and discrete-event simulation for endoscopy services **2017**,		7
60	Defining an optimal ED fast track strategy using simulation. *Journal of Enterprise Information Management*, **2013**, 26, 109-118	4.4	7
59	Exploiting grid computing, desktop grids and cloud computing for e-science. *Transforming Government: People, Process and Policy*, **2010**, 4, 288-298	2.3	7

58	Grid-enabling FIRST: Speeding Up Simulation Applications Using WinGrid **2006**,		7
57	Planning of bed capacities in specialized and integrated care units: Incorporating bed blockers in a simulation of surgical throughput **2012**,		6
56	Electronic health records. *Journal of Enterprise Information Management*, **2013**, 26, 165-182	4.4	6
55	Hybrid Modelling and Simulation (M&S): Driving Innovation in the Theory and Practice of M&S **2020**,		6
54	A Hybrid Modelling Approach Using Forecasting and Real-Time Simulation to Prevent Emergency Department Overcrowding **2019**,		6
53	**2018**,		6
52	Proactive Service Recovery in Emergency Departments **2019**,		5
51	Simulation for sustainable health care. *Journal of Simulation*, **2015**, 9, 83-85	1.9	5
50	Charting the reach and contribution of IMP literature in other disciplines: A bibliometric analysis. *Industrial Marketing Management*, **2020**, 87, 47-62	6.9	5
49	Classification of the existing knowledge base of OR/MS research and practice (1990-2019) using a proposed classification scheme. *Computers and Operations Research*, **2020**, 118, 104920	4.6	5
48	Semantic Web Service Architecture for Simulation Model Reuse **2007**,		5
47	The role of knowledge in system risk identification and assessment: The 2014 Ebola outbreak. *Journal of the Operational Research Society*, **2018**, 69, 1286-1308	2	4
46	**2014**,		4
45	Sakergrid: Simulation experimentation using grid enabled simulation software **2011**,		4
44	The siso CSPI PDG standard for commercial off-the-shelf simulation package interoperability reference models **2007**,		4
43	Distributed Simulation with COTS Simulation Packages: A Case Study in Health Care Supply Chain Simulation **2006**,		4
42	Using a desktop grid to support simulation modelling **2006**,		4
41	Hybrid modeling of collaborative freight transportation planning using agent-based simulation, auction-based mechanisms, and optimization. *Simulation*,003754972210756	1.2	4

40	Human Agency in Disaster Planning: A Systems Approach. *Risk Analysis*, **2018**, 38, 1422-1443	3.9	3
39	Speeding up systems biology simulations of biochemical pathways using condor. *Concurrency Computation Practice and Experience*, **2014**, 26, 2727-2742	1.4	3
38	Proximity-based modelling of cross-contamination through agent-based simulation: a feasibility study. *Health Systems*, **2013**, 2, 61-71	2.3	3
37	Implementing a Monte-Carlo simulation on admission decisions. *Journal of Enterprise Information Management*, **2013**, 26, 154-164	4.4	3
36	Improving simulation through advanced computing techniques: Grid computing and simulation interoperability **2010**,		3
35	Improving decision making in healthcare services through the use of existing simulation modelling tools and new technologies. *Transforming Government: People, Process and Policy*, **2010**, 4, 158-171	2.3	3
34	Policies and strategies to retain and support the return of experienced GPs in direct patient care: the ReGROUP mixed-methods study. *Health Services and Delivery Research*, **2019**, 7, 1-288	1.5	3
33	An Application of Distributed Simulation for Hybrid Modeling of Offshore Wind Farms **2015**,		2
32	Applications of Simulation within the Healthcare Context **2016**, 252-295		2
31	**2011**,		2
30	A Distributed Topology Control Algorithm for P2P Based Simulations **2007**,		2
29	Integrating BOINC with Microsoft Excel: A Case Study. *Information Technology Interfaces (ITI), Proceedings of the International Conference on*, **2007**,		2
28	Guest Editorial for the TOMACS Special Issue on the Principles of Advanced Discrete Simulation (PADS). *ACM Transactions on Modeling and Computer Simulation*, **2017**, 27, 1-3	0.6	2
27	Analysis of M&S Literature Published in the Proceeding of the Winter Simulation Conference from 1981 to 2016. *Simulation Foundations, Methods and Applications*, **2017**, 333-351	0.6	2
26	Co-citation analysis of literature in e-science and e-infrastructures. *Concurrency Computation Practice and Experience*, **2020**, 32, e5620	1.4	2
25	Broadening Participation in Modelling **2019**,		2
24	Distributed Simulation of Supply Chains in the Industry 4.0 Era: A State of the Art Field Overview. *Springer Series in Advanced Manufacturing*, **2019**, 55-80	0.9	1
23	Profile of modeling and simulation research published in the Journal of Defense Modeling and Simulation. *Journal of Defense Modeling and Simulation*, **2018**, 15, 337-349	0.4	1

22	Operational Research for Emergency Planning in Healthcare: Volume 2 **2016**,		1
21	Learning Maintenance, Repair and Operations (MRO) concepts in offshore wind industry through game-based learning **2015**,		1
20	**2017**,		1
19	Service-oriented simulation using web ontology. *International Journal of Simulation and Process Modelling*, **2012**, 7, 217	0.4	1
18	Supporting simulation in industry through the application of grid computing **2008**,		1
17	Workforce predictive risk modelling: development of a model to identify general practices at risk of a supply-demand imbalance. *BMJ Open*, **2020**, 10, e027934	3	1
16	Hybrid Simulation Development Is It Just Analytics? **2019**,		1
15	Optimal package pricing in healthcare services. *Journal of the Operational Research Society*, **2020**, 71, 1860-1872	2	1
14	Distributed Approaches to Supply Chain Simulation. *ACM Transactions on Modeling and Computer Simulation*, **2021**, 31, 1-31	0.6	1
13	Going beyond waste reduction: Exploring tools and methods for circular economy adoption in small-medium enterprises. *Resources, Conservation and Recycling*, **2022**, 182, 106345	11.9	1
12	Strategic resource planning of endoscopy services using hybrid modelling for future demographic and policy change. *Journal of the Operational Research Society*,1-14	2	1
11	Revisiting IoT definitions: A framework towards comprehensive use. *Technological Forecasting and Social Change*, **2022**, 179, 121623	9.5	0
10	Sustainability Analysis in Industry 4.0 Using Computer Modelling and Simulation. *Springer Series in Advanced Manufacturing*, **2019**, 97-109	0.9	
9	A Profiling Study of the Summer Computer Simulation Conference. *Simulation Foundations, Methods and Applications*, **2019**, 157-172	0.6	
8	Funding an Academic Simulation Project: The Economics of M&S **2017**, 265-286		
7	The European Research and Education Networks143-154		
6	Operational Research for Healthcare Emergency Planning at a Strategic Level **2016**, 1-9		
5	A Synthesis of Operational Research for Emergency Planning in Healthcare through the Triple Lens of Technique-Domain-Context **2016**, 1-11		

4   Leveraging Simulation Practice in Industry through use of Desktop Grid Middleware **2009**, 105-129

3   Speeding Up Decision Support **2010**, 255-273

2   Developing a Broadband Adoption Model in the UK Context. *International Federation for Information Processing*, **2010**, 192-208

1   An Analysis of Literature on Consumer Adoption and Diffusion of Information System/Information Technology/Information and Communication Technology **2012**, 360-374