

# Stewart Robinson

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

3,268  
citations

236925

25  
h-index

182427

51  
g-index

110  
all docs

110  
docs citations

110  
times ranked

2315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conceptual modelling for simulation Part I: definition and requirements. Journal of the Operational Research Society, 2008, 59, 278-290.	3.4	319
2	The application of discrete event simulation and system dynamics in the logistics and supply chain context. Decision Support Systems, 2012, 52, 802-815.	5.9	293
3	SimLean: Utilising simulation in the implementation of lean in healthcare. European Journal of Operational Research, 2012, 219, 188-197.	5.7	191
4	Operational research from Taylorism to Terabytes: A research agenda for the analytics age. European Journal of Operational Research, 2015, 241, 583-595.	5.7	178
5	Discrete-event simulation: from the pioneers to the present, what next?. Journal of the Operational Research Society, 2005, 56, 619-629.	3.4	154
6	Measuring service quality: current thinking and future requirements. Marketing Intelligence and Planning, 1999, 17, 21-32.	3.5	150
7	Conceptual modelling for simulation Part II: a framework for conceptual modelling. Journal of the Operational Research Society, 2008, 59, 291-304.	3.4	133
8	Strengthening the reporting of empirical simulation studies: Introducing the STRESS guidelines. Journal of Simulation, 2019, 13, 55-67.	1.5	112
9	Simulation model reuse: definitions, benefits and obstacles. Simulation Modelling Practice and Theory, 2004, 12, 479-494.	3.8	106
10	Provider and customer expectations of successful simulation projects. Journal of the Operational Research Society, 1998, 49, 200-209.	3.4	86
11	Soft with a hard centre: discrete-event simulation in facilitation. Journal of the Operational Research Society, 2001, 52, 905-915.	3.4	81
12	Facilitated modelling with discrete-event simulation: Reality or myth?. European Journal of Operational Research, 2014, 234, 231-240.	5.7	72
13	Model development in discrete-event simulation and system dynamics: An empirical study of expert modellers. European Journal of Operational Research, 2010, 207, 784-794.	5.7	71
14	Teaching OR/MS to MBAs at Warwick Business School: A Turnaround Story. Interfaces, 2003, 33, 67-76.	1.5	64
15	Conceptual Modeling for Simulation: Issues and Research Requirements. , 2006, , .		63
16	General concepts of quality for discrete-event simulation. European Journal of Operational Research, 2002, 138, 103-117.	5.7	56
17	Modes of simulation practice: approaches to business and military simulation. Simulation Modelling Practice and Theory, 2002, 10, 513-523.	3.8	48
18	A statistical process control approach to selecting a warm-up period for a discrete-event simulation. European Journal of Operational Research, 2007, 176, 332-346.	5.7	47

#	ARTICLE	IF	CITATIONS
19	Conceptual modeling: Definition, purpose and benefits. , 2015, , .		44
20	Automating warm-up length estimation. Journal of the Operational Research Society, 2010, 61, 1389-1403.	3.4	40
21	The application of system dynamics modelling to system safety improvement: Present use and future potential. Safety Science, 2018, 106, 104-120.	4.9	40
22	Is simulation in health different?. Journal of the Operational Research Society, 2015, 66, 602-614.	3.4	37
23	Conceptual modeling for simulation-based serious gaming. Decision Support Systems, 2012, 54, 33-45.	5.9	35
24	Can involving clients in simulation studies help them solve their future problems? A transfer of learning experiment. European Journal of Operational Research, 2016, 249, 919-930.	5.7	33
25	Conceptual modeling for simulation. , 2013, , .		32
26	Conceptual modelling: Knowledge acquisition and model abstraction. , 2008, , .		31
27	Automated selection of the number of replications for a discrete-event simulation. Journal of the Operational Research Society, 2010, 61, 1632-1644.	3.4	31
28	Key performance indicators for successful simulation projects. Journal of the Operational Research Society, 2017, 68, 747-765.	3.4	30
29	Conceptual modelling for simulation: Progress and grand challenges. Journal of Simulation, 2020, 14, 1-20.	1.5	28
30	Knowledge-based improvement: simulation and artificial intelligence for identifying and improving human decision-making in an operations system. Journal of the Operational Research Society, 2005, 56, 912-921.	3.4	27
31	Using LIWC to choose simulation approaches: A feasibility study. Decision Support Systems, 2018, 111, 1-12.	5.9	25
32	Learning from discrete-event simulation: Exploring the high involvement hypothesis. European Journal of Operational Research, 2014, 235, 195-205.	5.7	23
33	Independent Verification and Validation of an Industrial Simulation Model. Simulation, 2010, 86, 405-416.	1.8	21
34	The Application of Computer Simulation in Manufacturing. Journal of Manufacturing Technology Management, 1993, 4, 18-23.	0.5	19
35	Software process simulation modelling: A survey of practice. Journal of Simulation, 2008, 2, 91-102.	1.5	19
36	Choosing the right model: Conceptual modeling for simulation. , 2011, , .		19

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37	Distributed Simulation and Simulation Practice. Simulation, 2005, 81, 5-13.	1.8	18
38	Comparing model development in Discrete Event Simulation and System Dynamics. , 2009, , .		18
39	Automating des output analysis: How many replications to run. , 2007, , .		17
40	The problem of the initial transient (again), or why MSER works. Journal of Simulation, 2010, 4, 268-272.	1.5	17
41	A tutorial on conceptual modeling for simulation. , 2015, , .		17
42	Evaluation of the Cost-effectiveness of Services for Schizophrenia in the UK Across the Entire Care Pathway in a Single Whole-Disease Model. JAMA Network Open, 2020, 3, e205888.	5.9	17
43	The future's bright the future's sâ€  Conceptual modelling for simulation!. Journal of Simulation, 2007, 1, 149-152.	1.5	15
44	Automating warm-up length estimation. , 2008, , .		15
45	AutoSimOA: a framework for automated analysis of simulation output. Journal of Simulation, 2011, 5, 9-24.	1.5	15
46	Three sources of simulation inaccuracy (and how to overcome them). , 1999, , .		14
47	Modelling without queues: adapting discrete-event simulation for service operations. Journal of Simulation, 2015, 9, 195-205.	1.5	13
48	An experimental investigation into the role of simulation models in generating insights. European Journal of Operational Research, 2016, 249, 931-944.	5.7	13
49	The Simulation Project Life-Cycle: Models and Realities. , 2006, , .		11
50	Tutorial: Choosing what to model &#x2014; Conceptual modeling for simulation. , 2012, , .		11
51	Can we learn from simplified simulation models? An experimental study on user learning. Journal of Simulation, 2020, 14, 130-144.	1.5	11
52	Cost and health impacts of adherence to the National Institute for Health and Care Excellence schizophrenia guideline recommendations. British Journal of Psychiatry, 2021, 218, 224-229.	2.8	11
53	Measuring Service Quality in the Process of Delivering a Simulation Study: The Customer's Perspective. International Transactions in Operational Research, 1998, 5, 357-374.	2.7	10
54	An investigation of the effect of educational background on performance in simulation studies. Journal of the Operational Research Society, 2010, 61, 1685-1693.	3.4	10

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55	Using the structured analysis and design technique (SADT) in simulation conceptual modeling. , 2014, , .		9
56	A tutorial on simulation conceptual modeling. , 2017, , .		9
57	Linking the Witness Simulation Software to an Expert System to Represent a Decision-Making Process. Journal of Computing and Information Technology, 2003, 11, 123.	0.3	8
58	Organising insights into simulation practice. , 2007, , .		8
59	Simulation based knowledge elicitation: Effect of visual representation and model parameters. Expert Systems With Applications, 2012, 39, 8479-8489.	7.6	8
60	PSMs: looking in from the outside. Journal of the Operational Research Society, 2007, 58, 689-691.	3.4	7
61	Model reuse versus model development: Effects on credibility and learning. , 2009, , .		7
62	Healthcare workers'™ perspectives on participatory system dynamics modelling and simulation: designing safe and efficient hospital pharmacy dispensing systems together. Ergonomics, 2020, 63, 1044-1056.	2.1	7
63	A Systematic Review of Economic Models Across the Entire Schizophrenia Pathway. Pharmacoeconomics, 2020, 38, 537-555.	3.3	6
64	Comparing the use of Discrete-Event Simulation and System Dynamics models. , 2007, , .		5
65	Implementing MSER-5 in commercial simulation software and its wider implications. , 2011, , .		5
66	Modelling and simulation in business and industry: insights into the processes and practices of expert modellers. Journal of the Operational Research Society, 2014, 65, 660-672.	3.4	5
67	How do competition and collaboration affect supply chain performance? An agent based modeling approach. , 2015, , .		5
68	Systematic review of the methods of health economic models assessing antipsychotic medication for schizophrenia. PLoS ONE, 2020, 15, e0234996.	2.5	5
69	Conceptual Modeling for Simulation. , 2010, , 3-30.		5
70	An introduction to visual interactive simulation in business. International Journal of Information Management, 1994, 14, 13-23.	17.5	4
71	Computer simulation for quality and reliability engineering. Quality and Reliability Engineering International, 1995, 11, 371-377.	2.3	4
72	Detecting shifts in the mean of a simulation output process. Journal of the Operational Research Society, 2002, 53, 559-573.	3.4	4

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73	A System Dynamics Approach to Workload Management of Hospital Pharmacy Staff: Modeling the Tradeoff between Dispensing Backlog and Dispensing Errors. IISE Transactions on Occupational Ergonomics and Human Factors, 2018, 6, 209-224.	0.8	4
74	Evaluating Community-Based Integrated Health and Social Care Services: The Simtegr8 Approach. , 2019, , .		4
75	Simulation software: evolution or revolution?. Journal of Simulation, 2009, 3, 1-2.	1.5	3
76	A preliminary study on the role of simulation models in generating insights. , 2014, , .		3
77	Addressing the sample size problem in behavioural operational research: simulating the newsvendor problem. Journal of the Operational Research Society, 2017, 68, 253-268.	3.4	3
78	METHODOLOGY FOR THE MANAGEMENT OF DISCRETE EVENT SIMULATION PROJECTS BASED ON PMBOK<sup>Â®</sup>: ACTION RESEARCH IN A HIGH-TECH COMPANY. , 2018, , .		3
79	APPLYING THE STRESS GUIDELINES FOR REPRODUCIBILITY IN MODELING & SIMULATION: APPLICATION TO A DISEASE MODELING CASE STUDY. , 2018, , .		3
80	Overview and Use of Tools for Selecting Modelling Techniques in Health Economic Studies. Pharmacoconomics, 2021, 39, 757-770.	3.3	3
81	Celebrating 50 years of simulation software. Journal of Simulation, 2008, 2, 127-127.	1.5	2
82	The impact of human decision makers' individualities on the wholesale price contract's efficiency: Simulating the newsvendor problem. , 2009, , .		2
83	PANEL: EDUCATION ON SIMULATION MODEL SIMPLIFICATION â€œ BEYOND RULES OF THUMB. , 2018, , .		2
84	Creating a typology of analytics Masterâ€™s degrees in UK universities: Implications for employers and educators. Journal of the Operational Research Society, 2020, 71, 1327-1346.	3.4	2
85	Aiding the development of the conceptual model for hybrid simulation: Representing the modelling frame. Journal of the Operational Research Society, 2022, 73, 2775-2793.	3.4	2
86	PhD training in simulation: NATCOR. , 2010, , .		1
87	Reflections on JOS: 5 years on. Journal of Simulation, 2012, 6, 1-1.	1.5	1
88	The Practice of Simulation. , 2014, , 271-282.		1
89	Progress in simulation research: an editorial introduction and overview. Journal of the Operational Research Society, 2000, 51, 383-383.	3.4	0
90	The Journal of Simulation is one year old!. Journal of Simulation, 2008, 2, 1-2.	1.5	0

#	ARTICLE	IF	CITATIONS
91	Response to comments on Robinson and Davies (2010). Journal of the Operational Research Society, 2012, 63, 565-566.	3.4	0
92	Tutorial: Teaching an advanced simulation topic. , 2012, , .		0
93	Panel: Are we effectively preparing our students to be certified analytics professionals?. , 2013, , .		0
94	Defining Simulation: What, Why and When?. , 2014, , 1-20.		0
95	Data Collection and Analysis. , 2014, , 119-153.		0
96	Software for Simulation. , 2014, , 48-63.		0
97	Simulation Studies: An Overview. , 2014, , 64-76.		0
98	Model Coding. , 2014, , 154-165.		0
99	Verification, Validation and Confidence. , 2014, , 251-270.		0