

Malcolm Yoke Hean Low

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

1,078

citations

16

h-index

29

g-index

93

ext. papers

1,251

ext. citations

2.6

avg, IF

3.9

L-index

#	Paper	IF	Citations
83	A Bee Colony Optimization Algorithm to Job Shop Scheduling 2006 ,		101
82	Crowd modeling and simulation technologies. <i>ACM Transactions on Modeling and Computer Simulation</i> , 2010 , 20, 1-35	0.6	94
81	Agent-based human behavior modeling for crowd simulation. <i>Computer Animation and Virtual Worlds</i> , 2008 , 19, 271-281	0.9	80
80	A Bee Colony Optimization Algorithm for Traveling Salesman Problem 2008 ,		63
79	Dynamic yard crane dispatching in container terminals with predicted vehicle arrival information. <i>Advanced Engineering Informatics</i> , 2011 , 25, 472-484	7.4	53
78	A robust two-phase heuristic algorithm for the truck scheduling problem in a resource-constrained crossdock. <i>Computers and Operations Research</i> , 2012 , 39, 2564-2577	4.6	47
77	BEE COLONY OPTIMIZATION WITH LOCAL SEARCH FOR TRAVELING SALESMAN PROBLEM. <i>International Journal on Artificial Intelligence Tools</i> , 2010 , 19, 305-334	0.9	35
76	Hybrid modelling of crowd simulation. <i>Procedia Computer Science</i> , 2010 , 1, 57-65	1.6	34
75	Symbiotic Simulation Systems: An Extended Definition Motivated by Symbiosis in Biology 2008 ,		32
74	Integrating heterogeneous distributed COTS discrete-event simulation packages: an emerging standards-based approach. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2006 , 36, 109-122		29
73	Bee colony optimisation algorithm with big valley landscape exploitation for job shop scheduling problems. <i>International Journal of Bio-Inspired Computation</i> , 2010 , 2, 85	2.9	21
72	A Survey of Emergent Behavior and Its Impacts in Agent-based Systems 2006 ,		21
71	An agent-based approach for managing symbiotic simulation of semiconductor assembly and test operation 2005 ,		20
70	An efficient Bee Colony Optimization algorithm for Traveling Salesman Problem using frequency-based pruning 2009 ,		18
69	Bee Colony Optimization algorithm with Big Valley landscape exploitation for Job Shop Scheduling problems 2008 ,		18
68	Algorithms for HLA-based distributed simulation cloning. <i>ACM Transactions on Modeling and Computer Simulation</i> , 2005 , 15, 316-345	0.6	17
67	Research issues in symbiotic simulation 2009 ,		16

66	Optimistic Synchronization in HLA-Based Distributed Simulation. <i>Simulation</i> , 2005 , 81, 279-291	1.2	16
65	Simulation-based optimization of StarCraft tactical AI through evolutionary computation 2012 ,		14
64	A Computational Model of Emotions for Agent-Based Crowds in Serious Games 2011 ,		14
63	RecMotif: a novel fast algorithm for weak motif discovery. <i>BMC Bioinformatics</i> , 2010 , 11 Suppl 11, S8	3.6	14
62	Federate migration in HLA-based simulation. <i>Future Generation Computer Systems</i> , 2005 , 21, 87-95	7.5	14
61	Analysis of an efficient rule-based motion planning system for simulating human crowds. <i>Visual Computer</i> , 2010 , 26, 367-383	2.3	12
60	Yard crane dispatching based on real time data driven simulation for container terminals 2008 ,		12
59	Tree-structured algorithm for long weak motif discovery. <i>Bioinformatics</i> , 2011 , 27, 2641-7	7.2	11
58	A Rule-Based Motion Planning for Crowd Simulation 2009 ,		11
57	HumDPM: A Decision Process Model for Modeling Human-Like Behaviors in Time-Critical and Uncertain Situations. <i>Lecture Notes in Computer Science</i> , 2011 , 206-230	0.9	11
56	A generic model for crossdock truck scheduling and truck-to-door assignment problems 2008 ,		10
55	Using A Bee Colony Algorithm For Neighborhood Search In Job Shop Scheduling Problems 2007 ,		10
54	. <i>IEEE Systems Journal</i> , 2011 , 5, 50-60	4.3	9
53	Cluster based partitioning for agent-based crowd simulations 2009 ,		9
52	2007 ,		9
51	Autonomous Bee Colony Optimization for multi-objective function 2010 ,		8
50	Automated stowage planning for large containerships with improved safety and stability 2010 ,		8
49	Application of multi-objective bee colony optimization algorithm to Automated Red Teaming 2009 ,		8

48	Modeling Human-Like Decision Making for Virtual Agents in Time-Critical Situations 2010 ,		7
47	A Tabu Search for the Heterogeneous DAG Scheduling Problem 2009 ,		7
46	An efficient incremental evaluation function for optimizing truck scheduling in a resource-constrained crossdock using metaheuristics. <i>Expert Systems With Applications</i> , 2016 , 45, 172-184 ^{7,8}		6
45	A Generic Bee Colony Optimization Framework for Combinatorial Optimization Problems 2010 ,		6
44	Optimal decision-making on product allocation for crossdocking and warehousing operations. <i>International Journal of Services Operations and Informatics</i> , 2009 , 4, 352	1.1	6
43	Bee Colony Optimization with local search for traveling salesman problem 2008 ,		6
42	Shared State Synchronization for HLA-Based Distributed Simulation. <i>Simulation</i> , 2006 , 82, 511-521	1.2	6
41			6
40	Dynamic load-balancing for BSP Time Warp		6
39	Evolvable simulations applied to Automated Red Teaming: A preliminary study 2010 ,		5
38	Toward a Generic Framework for Modeling Human Behaviors in Crowd Simulation 2009 ,		5
37	A simulation based hybrid algorithm for yard crane dispatching in container terminals 2009 ,		5
36	. <i>IEEE Systems Journal</i> , 2012 , 6, 499-509	4.3	5
35	A COTS simulation package emulator (CSPE) for investigating COTS simulation package interoperability 2005 ,		5
34	A framework for executing parallel simulation using RTI		5
33	A Parallel BSP Algorithm for Irregular Dynamic Programming 2007 , 151-160		5
32	A Federated Agent-Based Crowd Simulation Architecture 2007 ,		5
31	Development of a novel resource-constrained crossdocking model for the truck scheduling problem 2010 ,		4

30	Automated modeling and analysis of agent-based simulations using the CASE framework 2010 ,		4
29	Enhancing automated red teaming with evolvable simulation 2009 ,		4
28	A Generic Symbiotic Simulation Framework		4
27	Using simulation based approach to improve on the mean cycle time performance of dispatching rules		4
26	Symbiotic Simulation Control in Semiconductor Manufacturing. <i>Lecture Notes in Computer Science</i> , 2008 , 26-35	0.9	4
25	Randomized Algorithm with Tabu Search for Multi-Objective Optimization of Large Containership Stowage Plans. <i>Lecture Notes in Computer Science</i> , 2011 , 256-272	0.9	4
24	Application of SIRI for Industry 4.0 Maturity Assessment and Analysis 2019 ,		4
23	Toward an Evolutionary Computing Modeling Language. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 230-247	15.6	3
22	Two efficient constructive heuristics for scheduling trucks at crossdocking terminals 2010 ,		3
21	Research advances in automated red teaming 2010 ,		3
20	Evolving agent-based simulations in the clouds 2010 ,		3
19	Symbiotic Simulation Model Validation for Radiation Detection Applications 2009 ,		3
18	Maritime counter-piracy study using agent-based simulations 2010 ,		2
17	Predictive algorithms for aggregation and disaggregation in mixed mode simulation 2009 ,		2
16	High-dimensional objective-based data farming 2011 ,		2
15	Studies on Pareto-based multi-objective competitive coevolutionary dynamics 2011 ,		2
14	Loop parallelisation tool for message-passing systems. <i>Microprocessors and Microsystems</i> , 1997 , 20, 409-421		2
13	Optimal decision-making on product ranking for crossdocking/warehousing operations 2008 ,		2

12	Preventive what-if analysis in symbiotic simulation 2008 ,		2
11	An empirical comparison of runtime systems for conservative parallel simulation. <i>Lecture Notes in Computer Science</i> , 1998 , 123-134	0.9	2
10	ListMotif: A time and memory efficient algorithm for weak motif discovery 2010 ,		1
9	A framework of intelligent environment with smart-active objects (IESAO) for flexible and efficient crowd simulation 2010 ,		1
8	A systematic approach for rapid 3D reconstruction from photosets 2010 ,		1
7	Initial provisioning and spare parts inventory network optimisation in a multi maintenance base environment 2012 ,		1
6	A methodology for automating the parallelization of manufacturing simulations		1
5	Implementation Lessons of Performance Prediction Tool for Parallel Conservative Simulation. <i>Lecture Notes in Computer Science</i> , 2000 , 189-193	0.9	1
4	Resources Optimisation in New Hospital Central Kitchen Design [A Discrete Event Simulation Approach. <i>Communications in Computer and Information Science</i> , 2019 , 251-259	0.3	1
3	NFC-based Smart Notification System for Hospital Discharge Process and Bed Management 2018 ,		1
2	A bee colony optimisation algorithm with a sequential-pattern-mining-based pruning strategy for the travelling salesman problem. <i>International Journal of Bio-Inspired Computation</i> , 2020 , 15, 239	2.9	0
1	Diversity-Driven Self-adaptation in Evolutionary Algorithms. <i>Lecture Notes in Electrical Engineering</i> , 2011 , 95-106	0.2	