

# Malcolm Yoke Hean Low

## List of Publications by Year in Descending Order

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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 optimisation algorithm with a sequential-pattern-mining-based pruning strategy for the travelling salesman problem. <i>International Journal of Bio-Inspired Computation</i> , <b>2020</b> , 15, 239	2.9	0
82	Resources Optimisation in New Hospital Central Kitchen Design [A Discrete Event Simulation Approach. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 251-259	0.3	1
81	Application of SIRI for Industry 4.0 Maturity Assessment and Analysis <b>2019</b> ,		4
80	NFC-based Smart Notification System for Hospital Discharge Process and Bed Management <b>2018</b> ,		1
79	An efficient incremental evaluation function for optimizing truck scheduling in a resource-constrained crossdock using metaheuristics. <i>Expert Systems With Applications</i> , <b>2016</b> , 45, 172-184 <sup>8</sup>	7.8	6
78	A robust two-phase heuristic algorithm for the truck scheduling problem in a resource-constrained crossdock. <i>Computers and Operations Research</i> , <b>2012</b> , 39, 2564-2577	4.6	47
77	Simulation-based optimization of StarCraft tactical AI through evolutionary computation <b>2012</b> ,		14
76	Initial provisioning and spare parts inventory network optimisation in a multi maintenance base environment <b>2012</b> ,		1
75	. <i>IEEE Systems Journal</i> , <b>2012</b> , 6, 499-509	4.3	5
74	. <i>IEEE Systems Journal</i> , <b>2011</b> , 5, 50-60	4.3	9
73	Toward an Evolutionary Computing Modeling Language. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2011</b> , 15, 230-247	15.6	3
72	Dynamic yard crane dispatching in container terminals with predicted vehicle arrival information. <i>Advanced Engineering Informatics</i> , <b>2011</b> , 25, 472-484	7.4	53
71	High-dimensional objective-based data farming <b>2011</b> ,		2
70	Tree-structured algorithm for long weak motif discovery. <i>Bioinformatics</i> , <b>2011</b> , 27, 2641-7	7.2	11
69	A Computational Model of Emotions for Agent-Based Crowds in Serious Games <b>2011</b> ,		14
68	Studies on Pareto-based multi-objective competitive coevolutionary dynamics <b>2011</b> ,		2
67	HumDPM: A Decision Process Model for Modeling Human-Like Behaviors in Time-Critical and Uncertain Situations. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 206-230	0.9	11

66	Diversity-Driven Self-adaptation in Evolutionary Algorithms. <i>Lecture Notes in Electrical Engineering</i> , <b>2011</b> , 95-106	0.2	
65	Randomized Algorithm with Tabu Search for Multi-Objective Optimization of Large Containership Stowage Plans. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 256-272	0.9	4
64	Crowd modeling and simulation technologies. <i>ACM Transactions on Modeling and Computer Simulation</i> , <b>2010</b> , 20, 1-35	0.6	94
63	ListMotif: A time and memory efficient algorithm for weak motif discovery <b>2010</b> ,		1
62	Development of a novel resource-constrained crossdocking model for the truck scheduling problem <b>2010</b> ,		4
61	Two efficient constructive heuristics for scheduling trucks at crossdocking terminals <b>2010</b> ,		3
60	A framework of intelligent environment with smart-active objects (IESAO) for flexible and efficient crowd simulation <b>2010</b> ,		1
59	Research advances in automated red teaming <b>2010</b> ,		3
58	Maritime counter-piracy study using agent-based simulations <b>2010</b> ,		2
57	A Generic Bee Colony Optimization Framework for Combinatorial Optimization Problems <b>2010</b> ,		6
56	Automated modeling and analysis of agent-based simulations using the CASE framework <b>2010</b> ,		4
55	Evolving agent-based simulations in the clouds <b>2010</b> ,		3
54	Autonomous Bee Colony Optimization for multi-objective function <b>2010</b> ,		8
53	BEE COLONY OPTIMIZATION WITH LOCAL SEARCH FOR TRAVELING SALESMAN PROBLEM. <i>International Journal on Artificial Intelligence Tools</i> , <b>2010</b> , 19, 305-334	0.9	35
52	Modeling Human-Like Decision Making for Virtual Agents in Time-Critical Situations <b>2010</b> ,		7
51	Automated stowage planning for large containerships with improved safety and stability <b>2010</b> ,		8
50	Evolvable simulations applied to Automated Red Teaming: A preliminary study <b>2010</b> ,		5
49	A systematic approach for rapid 3D reconstruction from photosets <b>2010</b> ,		1

48	Bee colony optimisation algorithm with big valley landscape exploitation for job shop scheduling problems. <i>International Journal of Bio-Inspired Computation</i> , <b>2010</b> , 2, 85	2.9	21
47	Analysis of an efficient rule-based motion planning system for simulating human crowds. <i>Visual Computer</i> , <b>2010</b> , 26, 367-383	2.3	12
46	RecMotif: a novel fast algorithm for weak motif discovery. <i>BMC Bioinformatics</i> , <b>2010</b> , 11 Suppl 11, S8	3.6	14
45	Hybrid modelling of crowd simulation. <i>Procedia Computer Science</i> , <b>2010</b> , 1, 57-65	1.6	34
44	Toward a Generic Framework for Modeling Human Behaviors in Crowd Simulation <b>2009</b> ,		5
43	A simulation based hybrid algorithm for yard crane dispatching in container terminals <b>2009</b> ,		5
42	Application of multi-objective bee colony optimization algorithm to Automated Red Teaming <b>2009</b> ,		8
41	Enhancing automated red teaming with evolvable simulation <b>2009</b> ,		4
40	Predictive algorithms for aggregation and disaggregation in mixed mode simulation <b>2009</b> ,		2
39	An efficient Bee Colony Optimization algorithm for Traveling Salesman Problem using frequency-based pruning <b>2009</b> ,		18
38	A Tabu Search for the Heterogeneous DAG Scheduling Problem <b>2009</b> ,		7
37	Cluster based partitioning for agent-based crowd simulations <b>2009</b> ,		9
36	Research issues in symbiotic simulation <b>2009</b> ,		16
35	A Rule-Based Motion Planning for Crowd Simulation <b>2009</b> ,		11
34	Symbiotic Simulation Model Validation for Radiation Detection Applications <b>2009</b> ,		3
33	Optimal decision-making on product allocation for crossdocking and warehousing operations. <i>International Journal of Services Operations and Informatics</i> , <b>2009</b> , 4, 352	1.1	6
32	A Bee Colony Optimization Algorithm for Traveling Salesman Problem <b>2008</b> ,		63
31	Bee Colony Optimization with local search for traveling salesman problem <b>2008</b> ,		6

30	A generic model for crossdock truck scheduling and truck-to-door assignment problems <b>2008,</b>		10
29	Symbiotic Simulation Systems: An Extended Definition Motivated by Symbiosis in Biology <b>2008,</b>		32
28	Optimal decision-making on product ranking for crossdocking/warehousing operations <b>2008,</b>		2
27	Bee Colony Optimization algorithm with Big Valley landscape exploitation for Job Shop Scheduling problems <b>2008,</b>		18
26	Preventive what-if analysis in symbiotic simulation <b>2008,</b>		2
25	Yard crane dispatching based on real time data driven simulation for container terminals <b>2008,</b>		12
24	Agent-based human behavior modeling for crowd simulation. <i>Computer Animation and Virtual Worlds</i> , <b>2008</b> , 19, 271-281	0.9	80
23	Symbiotic Simulation Control in Semiconductor Manufacturing. <i>Lecture Notes in Computer Science</i> , <b>2008</b> , 26-35	0.9	4
22	<b>2007,</b>		9
21	A Parallel BSP Algorithm for Irregular Dynamic Programming <b>2007,</b> 151-160		5
20	A Federated Agent-Based Crowd Simulation Architecture <b>2007,</b>		5
19	Using A Bee Colony Algorithm For Neighborhood Search In Job Shop Scheduling Problems <b>2007,</b>		10
18	Shared State Synchronization for HLA-Based Distributed Simulation. <i>Simulation</i> , <b>2006</b> , 82, 511-521	1.2	6
17	A Survey of Emergent Behavior and Its Impacts in Agent-based Systems <b>2006,</b>		21
16	A Bee Colony Optimization Algorithm to Job Shop Scheduling <b>2006,</b>		101
15	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> , <b>2006</b> , 36, 109-122		29
14	A COTS simulation package emulator (CSPE) for investigating COTS simulation package interoperability <b>2005,</b>		5
13	Federate migration in HLA-based simulation. <i>Future Generation Computer Systems</i> , <b>2005</b> , 21, 87-95	7.5	14

12	Algorithms for HLA-based distributed simulation cloning. <i>ACM Transactions on Modeling and Computer Simulation</i> , <b>2005</b> , 15, 316-345	0.6	17
11	An agent-based approach for managing symbiotic simulation of semiconductor assembly and test operation <b>2005</b> ,		20
10	Optimistic Synchronization in HLA-Based Distributed Simulation. <i>Simulation</i> , <b>2005</b> , 81, 279-291	1.2	16
9	Implementation Lessons of Performance Prediction Tool for Parallel Conservative Simulation. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 189-193	0.9	1
8	An empirical comparison of runtime systems for conservative parallel simulation. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 123-134	0.9	2
7	Loop parallelisation tool for message-passing systems. <i>Microprocessors and Microsystems</i> , <b>1997</b> , 20, 409-421		2
6	A Generic Symbiotic Simulation Framework		4
5			6
4	Using simulation based approach to improve on the mean cycle time performance of dispatching rules		4
3	A framework for executing parallel simulation using RTI		5
2	Dynamic load-balancing for BSP Time Warp		6
1	A methodology for automating the parallelization of manufacturing simulations		1