John Aw Mccall

List of Publications by Year
in descending order

74 papers	1,284 citations	1162889 8 h-index	677027 22 g-index
77 all docs	77 docs citations	77 times ranked	1318 citing authors

#	Article	IF	Citations
1	Genetic algorithms for modelling and optimisation. Journal of Computational and Applied Mathematics, 2005, 184, 205-222.	1.1	710
2	Optimization by estimation of distribution with DEUM framework based on Markov random fields. International Journal of Automation and Computing, 2007, 4, 262-272.	4.5	61
3	A chain-model genetic algorithm for Bayesian network structure learning. , 2007, , .		36
4	Machine learning for improved pathological staging of prostate cancer: A performance comparison on a range of classifiers. Artificial Intelligence in Medicine, 2012, 55, 25-35.	3.8	34
5	Using a Markov network model in a univariate EDA. , 2005, , .		28
6	Optimising cancer chemotherapy using an estimation of distribution algorithm and genetic algorithms. , 2006, , .		28
7	Two novel Ant Colony Optimization approaches for Bayesian network structure learning. , 2010, , .		25
8	A Novel Smart Multi-Objective Particle Swarm Optimisation Using Decomposition. , 2010, , 1-10.		25
9	An application of a multivariate estimation of distribution algorithm to cancer chemotherapy. , 2008, , .		22
10	Optimising Cancer Chemotherapy Using Particle Swarm Optimisation and Genetic Algorithms. Lecture Notes in Computer Science, 2004, , 633-641.	1.0	18
11	An application of a GA with Markov network surrogate to feature selection. International Journal of Systems Science, 2013, 44, 2039-2056.	3.7	18
12	A fully multivariate DEUM algorithm. , 2009, , .		15
13	D 2 MOPSO: Multi-Objective Particle Swarm Optimizer Based on Decomposition and Dominance. Lecture Notes in Computer Science, 2012, , 75-86.	1.0	15
14	A Random Key based Estimation of Distribution Algorithm for the Permutation Flowshop Scheduling Problem. , 2017, , .		15
15	Structure learning and optimisation in a Markov-network based estimation of distribution algorithm. , 2009, , .		14
16	RK-EDA: A Novel Random Key Based Estimation of Distribution Algorithm. Lecture Notes in Computer Science, 2016, , 849-858.	1.0	12
17	Binary-SDMOPSO and its application in channel selection for Brain-Computer Interfaces. , 2010, , .		11
18	Truck and trailer scheduling in a real world, dynamic and heterogeneous context. Transportation Research, Part E: Logistics and Transportation Review, 2016, 93, 389-408.	3.7	10

#	Article	IF	Citations
19	Evolutionary Algorithms for Cancer Chemotherapy Optimization. , 0, , 263-296.		9
20	An Island Model Genetic Algorithm for Bayesian network structure learning. , 2012, , .		9
21	DEUM - Distribution Estimation Using Markov Networks. Adaptation, Learning, and Optimization, 2012, , 55-71.	0.5	9
22	Estimation of distribution algorithms for the Multi-Mode Resource Constrained Project scheduling problem. , 2017, , .		8
23	Superimposed Information Architecture for Digital Libraries. Lecture Notes in Computer Science, 2008, , 88-99.	1.0	8
24	Accelerated optimisation of chemotherapy dose schedules using fitness inheritance. , 2010, , .		7
25	BPGA-EDA for the multi-mode resource constrained project scheduling problem. , 2016, , .		7
26	Optimisation and fitness modelling of bio-control in mushroom farming using a Markov network eda. , 2008, , .		6
27	Evolved bayesian networks as a versatile alternative to partin tables for prostate cancer management. , 2008, , .		6
28	Exploring aspects of cell intelligence with artificial reaction networks. Soft Computing, 2014, 18, 1899-1912.	2.1	6
29	Factoradic Representation for Permutation Optimisation. Lecture Notes in Computer Science, 2014, , 332-341.	1.0	6
30	Fitness directed intervention crossover approaches applied to bio-scheduling problems. , 2008, , .		5
31	Multi-objective optimisation of cancer chemotherapy using smart PSO with decomposition. , 2011, , .		5
32	Privacy-preserving approach to bayesian network structure learning from distributed data. , 2011, , .		5
33	Predictive planning with neural networks. , 2016, , .		5
34	Temporal Patterns in Artificial Reaction Networks. Lecture Notes in Computer Science, 2012, , 1-8.	1.0	5
35	Adaptive Dynamic Control of Quadrupedal Robotic Gaits with Artificial Reaction Networks. Lecture Notes in Computer Science, 2012, , 280-287.	1.0	5
36	Towards Explainable Metaheuristics: PCA for Trajectory Mining in Evolutionary Algorithms. Lecture Notes in Computer Science, 2021, , 89-102.	1.0	5

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37	Influence of selection on structure learning in markov network EDAs. , 2012, , .		4
38	Continuous presentation for multi-objective channel selection in Brain-Computer Interfaces. , 2012, , .		4
39	DEUM â€" A Fully Multivariate EDA Based on Markov Networks. Adaptation, Learning, and Optimization, 2010, , 71-93.	0.5	4
40	Competing Mutating Agents for Bayesian Network Structure Learning. Lecture Notes in Computer Science, 2012, , 216-225.	1.0	4
41	Evolved Bayesian Network models of rig operations in the gulf of Mexico. , 2010, , .		3
42	Application of evolutionary algorithms to learning evolved Bayesian Network models of rig operations in the Gulf of Mexico. , 2010, , .		3
43	Fitness landscape analysis of Bayesian network structure learning. , 2011, , .		3
44	Mapping parallel programs to heterogeneous CPU/GPU architectures using a Monte Carlo Tree Search. , 2013, , .		3
45	Structural coherence of problem and algorithm: An analysis for EDAs on all 2-bit and 3-bit problems. , 2015, , .		3
46	On the definition of dynamic permutation problems under landscape rotation. , 2019, , .		3
47	Introducing the Dynamic Customer Location-Allocation Problem. , 2019, , .		3
48	Applications of Distribution Estimation Using Markov Network Modelling (DEUM). Adaptation, Learning, and Optimization, 2012, , 193-207.	0.5	3
49	Landscape analysis for hyperheuristic Bayesian Network structure learning on unseen problems. , 2012, , .		2
50	Geometric-based sampling for permutation optimization. , 2013, , .		2
51	Minimal walsh structure and ordinal linkage of monotonicity-invariant function classes on bit strings. , 2014, , .		2
52	Generating Easy and Hard Problems using the Proximate Optimality Principle. , 2015, , .		2
53	Ant Colony and Surrogate Tree-Structured Models for Orderings-Based Bayesian Network Learning. , 2015, , .		2
54	Towards the landscape rotation as a perturbation strategy on the quadratic assignment problem. , 2021, , .		2

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55	L-Modified ILP Evaluation Functions for Positive-Only Biological Grammar Learning. Lecture Notes in Computer Science, 2008, , 176-191.	1.0	2
56	A Holistic Metric Approach to Solving the Dynamic Location-Allocation Problem. Lecture Notes in Computer Science, 2018, , 433-439.	1.0	2
57	Optimisation of cancer chemotherapy schedules using directed intervention crossover approaches. , 2008, , .		1
58	Artificial chemistry approach to exploring search spaces using Artificial Reaction Network agents. , 2013, , .		1
59	A data fusion framework for large-scale measurement platforms. , 2015, , .		1
60	Probabilistic Model Enhanced Genetic Algorithm for Multi-Mode Resource Constrained Project Scheduling Problem. , 2015, , .		1
61	Applications and design of cooperative multi-agent ARN-based systems. Soft Computing, 2015, 19, 1581-1594.	2.1	1
62	Performance Analysis of GA and PBIL Variants for Real-World Location-Allocation Problems. , 2018, , .		1
63	Iterated Racing Algorithm for Simulation-Optimisation of Maintenance Planning. , 2018, , .		1
64	Tactical Plan Optimisation for Large Multi-Skilled Workforces Using a Bi-Level Model. , 2018, , .		1
65	Artificial Reaction Network Agents. , 0, , .		1
66	Bio-control in mushroom farming using a Markov network EDA. , 2008, , .		0
67	Evolving interface designs to minimize user task times as simulated in a cognitive architecture. , 2010, , .		0
68	Clustering based leaders' selection in multi-objective evolutionary algorithms. , 2011, , .		0
69	Development and Validation of a UK-Specific Prostate Cancer Staging Predictive Model: UK Prostate Cancer Tables. British Journal of Medical and Surgical Urology, 2012, 5, 224-235.	0.2	0
70	Combining biochemical network motifs within an ARN-agent control system. , 2013, , .		0
71	GECCO'16 Model-Based Evolutionary Algorithms (MBEA) Workshop Chairs' Welcome. , 2016, , .		0
72	An Analysis of Indirect Optimisation Strategies for Scheduling. , 2018, , .		0

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73	Mutual Information for Performance Assessment of Multi Objective Optimisers: Preliminary Results. Lecture Notes in Computer Science, 2013, , 537-544.	1.0	0
74	Predicting Service Levels Using Neural Networks. Lecture Notes in Computer Science, 2017, , 411-416.	1.0	0