Edmund K Burke

List of Publications by Year
in descending order

212 papers	13,472 citations	25031 57 h-index	28296 105 g-index
229 all docs	229 docs citations	229 times ranked	5920 citing authors

#	Article	IF	Citations
1	A hyper-heuristic approach based upon a hidden Markov model for the multi-stage nurse rostering problem. Computers and Operations Research, 2021, 130, 105221.	4.0	14
2	Multiobjective evolutionary algorithms for strategic deployment of resources in operational units. European Journal of Operational Research, 2020, 282, 729-740.	5.7	7
3	Recent advances in selection hyper-heuristics. European Journal of Operational Research, 2020, 285, 405-428.	5.7	186
4	Multi-objective routing and scheduling for airport ground movement. Transportation Research Part C: Emerging Technologies, 2020, 119, 102734.	7.6	23
5	A cutoff time strategy based on the coupon collectorâ€™s problem. European Journal of Operational Research, 2020, 286, 101-114.	5.7	2
6	A constructive framework for the preventive signalling maintenance crew scheduling problem in the Danish railway system. Journal of the Operational Research Society, 2019, 70, 1965-1982.	3.4	6
7	A Classification of Hyper-Heuristic Approaches: Revisited. Profiles in Operations Research, 2019, , 453-477.	0.4	88
8	Late Acceptance Hill Climbing forÂConstrained Covering Arrays. Lecture Notes in Computer Science, 2018, , 778-793.	1.3	5
9	Journal of Scheduling (2018). Journal of Scheduling, 2018, 21, 1-1.	1.9	1
10	A choice function hyper-heuristic framework for the allocation of maintenance tasks in Danish railways. Computers and Operations Research, 2018, 93, 15-26.	4.0	18
11	Pruning Rules for Optimal Runway Sequencing. Transportation Science, 2018, 52, 898-916.	4.4	16
12	Hyper-heuristics. , 2018, , 489-545.		3
13	An online speed profile generation approach for efficient airport ground movement. Transportation Research Part C: Emerging Technologies, 2018, 93, 256-272.	7.6	17
14	A fuzzy approach to addressing uncertainty in Airport Ground Movement optimisation. Transportation Research Part C: Emerging Technologies, 2018, 92, 150-175.	7.6	43
15	Hyper-heuristics. , 2018, , 1-57.		2
16	A hybrid breakout local search and reinforcement learning approach to the vertex separator problem. European Journal of Operational Research, 2017, 261, 803-818.	5.7	14
17	A methodology for determining an effective subset of heuristics in selection hyper-heuristics. European Journal of Operational Research, 2017, 260, 972-983.	5.7	40
18	An Iterated Local Search Framework with Adaptive Operator Selection for Nurse Rostering. Lecture Notes in Computer Science, 2017, , 93-108.	1.3	5

#	Article	IF	Citations
19	Journal of Scheduling (2017). Journal of Scheduling, 2017, 20, 1-1.	1.9	5
20	The late acceptance Hill-Climbing heuristic. European Journal of Operational Research, 2017, 258, 70-78.	5.7	124
21	Breakout local search for the multi-objective gate allocation problem. Computers and Operations Research, 2017, 78, 80-93.	4.0	36
22	The Multi-Funnel Structure of TSP Fitness Landscapes: A Visual Exploration. Lecture Notes in Computer Science, 2016, , 1-13.	1.3	16
23	Toward a More Realistic, Cost-Effective, and Greener Ground Movement Through Active Routing: A Multiobjective Shortest Path Approach. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3524-3540.	8.0	36
24	Heuristic search for the coupled runway sequencing and taxiway routing problem. Transportation Research Part C: Emerging Technologies, 2016, 71, 333-355.	7.6	32
25	An Adaptive Flex-Deluge Approach to University Exam Timetabling. INFORMS Journal on Computing, 2016, 28, 781-794.	1.7	18
26	Journal of Scheduling (2016). Journal of Scheduling, 2016, 19, 1-1.	1.9	8
27	A multi-agent based cooperative approach to scheduling and routing. European Journal of Operational Research, 2016, 254, 169-178.	5.7	72
28	Modelling and solving generalised operational surgery scheduling problems. Computers and Operations Research, 2016, 66, 1-11.	4.0	52
29	A Case Study of Controlling Crossover in a Selection Hyper-heuristic Framework Using the Multidimensional Knapsack Problem. Evolutionary Computation, 2016, 24, 113-141.	3.0	33
30	The Practice and Theory of Automated Timetabling (2012). Annals of Operations Research, 2016, 239, 1-2.	4.1	3
31	Modified Choice Function Heuristic Selection for the Multidimensional Knapsack Problem. Advances in Intelligent Systems and Computing, 2015, , 225-234.	0.6	11
32	An Integer Linear Programming approach to the single and bi-objective Next Release Problem. Information and Software Technology, 2015, 65, 1-13.	4.4	53
33	A modified choice function hyper-heuristic controlling unary and binary operators. , 2015, , .		15
34	A comparison of crossover control mechanisms within single-point selection hyper-heuristics using HyFlex. , 2015, , .		2
35	Journal of Scheduling (2015). Journal of Scheduling, 2015, 18, 1-1.	1.9	5
36	Comments on: An overview of curriculum-based course timetabling. Top, 2015, 23, 355-358.	1.6	3

#	Article	IF	Citations
37	Surgical scheduling with simultaneous employment of specialised human resources. European Journal of Operational Research, 2015, 245, 719-730.	5.7	40
38	On parallel local search for permutations. Journal of the Operational Research Society, 2015, 66, 822-831.	3.4	2
39	Empirical evaluation of pareto efficient multi-objective regression test case prioritisation. , 2015, , .		61
40	A Separability Prototype for Automatic Memes with Adaptive Operator Selection. , 2014, , .		8
41	Effective learning hyper-heuristics for the course timetabling problem. European Journal of Operational Research, 2014, 238, 77-86.	5.7	69
42	A more realistic approach for airport ground movement optimisation with stand holding. Journal of Scheduling, 2014, 17, 507-520.	1.9	52
43	Searching the Hyper-heuristic Design Space. Cognitive Computation, 2014, 6, 66-73.	5.2	35
44	An analysis of constructive algorithms for the airport baggage sorting station assignment problem. Journal of Scheduling, 2014, 17, 601-619.	1.9	11
45	Unified encoding for hyper-heuristics with application to bioinformatics. Central European Journal of Operations Research, 2014, 22, 567-589.	1.8	11
46	Aircraft taxi time prediction: Comparisons and insights. Applied Soft Computing Journal, 2014, 14, 397-406.	7.2	47
47	A constructive approach to examination timetabling based on adaptive decomposition and ordering. Annals of Operations Research, 2014, 218, 3-21.	4.1	20
48	Adaptive selection of heuristics for improving exam timetables. Annals of Operations Research, 2014, 218, 129-145.	4.1	26
49	The practice and theory of automated timetabling. Annals of Operations Research, 2014, 218, 1-2.	4.1	29
50	Adaptive linear combination of heuristic orderings in constructing examination timetables. European Journal of Operational Research, 2014, 232, 287-297.	5.7	28
51	New approaches to nurse rostering benchmark instances. European Journal of Operational Research, 2014, 237, 71-81.	5.7	76
52	Journal of Scheduling (2013). Journal of Scheduling, 2013, 16, 1-2.	1.9	0
53	A dynamic archive niching differential evolution algorithm for multimodal optimization. , 2013, , .		58
54	The trade-off between taxi time and fuel consumption in airport ground movement. Public Transport, 2013, 5, 25-40.	2.7	94

#	Article	IF	Citations
55	A greedy gradient-simulated annealing selection hyper-heuristic. Soft Computing, 2013, 17, 2279-2292.	3.6	33
56	An effective heuristic for the two-dimensional irregular bin packing problem. Annals of Operations Research, 2013, 206, 241-264.	4.1	42
57	A hyper-heuristic approach to sequencing by hybridization of DNA sequences. Annals of Operations Research, 2013, 207, 27-41.	4.1	16
58	Hyper-heuristics: a survey of the state of the art. Journal of the Operational Research Society, 2013, 64, 1695-1724.	3.4	880
59	MLP accompanied beam search for the resonance assignment problem. Journal of Heuristics, 2013, 19, 443-464.	1.4	6
60	An orchestrated survey of methodologies for automated software test case generation. Journal of Systems and Software, 2013, 86, 1978-2001.	4.5	493
61	A new model and a hyper-heuristic approach for two-dimensional shelf space allocation. 4or, 2013, 11, 31-55.	1.6	37
62	A combined statistical approach and ground movement model for improving taxi time estimations at airports. Journal of the Operational Research Society, 2013, 64, 1347-1360.	3.4	48
63	Addressing the Pushback Time Allocation Problem at Heathrow Airport. Transportation Science, 2013, 47, 584-602.	4.4	33
64	A Time Predefined Variable Depth Search for Nurse Rostering. INFORMS Journal on Computing, 2013, 25, 411-419.	1.7	27
65	Applications to Timetabling. Discrete Mathematics and Its Applications, 2013, , 530-562.	0.1	1
66	Automating the Packing Heuristic Design Process with Genetic Programming. Evolutionary Computation, 2012, 20, 63-89.	3.0	78
67	Data Structures for Higher-Dimensional Rectilinear Packing. INFORMS Journal on Computing, 2012, 24, 457-470.	1.7	0
68	Grammatical Evolution of Local Search Heuristics. IEEE Transactions on Evolutionary Computation, 2012, 16, 406-417.	10.0	87
69	A greedy gradient-simulated annealing hyper-heuristic for a curriculum-based course timetabling problem. , 2012, , .		12
70	Dynamic adaptive search based software engineering. , 2012, , .		58
71	A mixed integer programming model for the cyclic job-shop problem with transportation. Discrete Applied Mathematics, 2012, 160, 1924-1935.	0.9	20
72	A branch and bound algorithm for the cyclic job-shop problem with transportation. Computers and Operations Research, 2012, 39, 3200-3214.	4.0	20

#	Article	IF	Citations
73	HyFlex: A Benchmark Framework for Cross-Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 136-147.	1.3	110
74	An Improved Choice Function Heuristic Selection for Cross Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 307-316.	1.3	35
75	Editorial: new branches, old roots. Journal of Scheduling, 2012, 15, 399-401.	1.9	0
76	A simulated annealing hyper-heuristic methodology for flexible decision support. 4or, 2012, 10, 43-66.	1.6	57
77	A Pareto-based search methodology for multi-objective nurse scheduling. Annals of Operations Research, 2012, 196, 91-109.	4.1	30
78	Monte Carlo hyper-heuristics for examination timetabling. Annals of Operations Research, 2012, 196, 73-90.	4.1	49
79	The falling tide algorithm: A new multi-objective approach for complex workforce scheduling. Omega, 2012, 40, 283-293.	5.9	49
80	A space-indexed formulation of packing boxes into a larger box. Operations Research Letters, 2012, 40, 20-24.	0.7	15
81	The efficiency of indicator-based local search for multi-objective combinatorial optimisation problems. Journal of Heuristics, 2012, 18, 263-296.	1.4	32
82	A branch-and-cut procedure forÂtheÂUdine Course Timetabling problem. Annals of Operations Research, 2012, 194, 71-87.	4.1	40
83	Linear combinations of heuristics for examination timetabling. Annals of Operations Research, 2012, 194, 89-109.	4.1	17
84	A new model for automated examination timetabling. Annals of Operations Research, 2012, 194, 291-315.	4.1	43
85	A pattern recognition based intelligent search method andÂtwoÂassignment problem caseÂstudies. Applied Intelligence, 2012, 36, 442-453.	5.3	10
86	Vehicle Routing and Adaptive Iterated Local Search within the HyFlex Hyper-heuristic Framework. Lecture Notes in Computer Science, 2012, , 265-276.	1.3	25
87	An Evolutionary Algorithm for the Over-constrained Airport Baggage Sorting Station Assignment Problem. Lecture Notes in Computer Science, 2012, , 32-41.	1.3	8
88	Progress control in iterated local search for nurse rostering. Journal of the Operational Research Society, 2011, 62, 360-367.	3.4	16
89	Local search for the surgery admission planning problem. Journal of Heuristics, 2011, 17, 389-414.	1.4	60
90	A comparison of two methods for reducing take-off delay at London Heathrow airport. Journal of Scheduling, 2011, 14, 409-421.	1.9	20

#	Article	IF	Citations
91	Integrating neural networks and logistic regression to underpin hyper-heuristic search. Knowledge-Based Systems, 2011, 24, 322-330.	7.1	20
92	A squeaky wheel optimisation methodology for two-dimensional strip packing. Computers and Operations Research, 2011, 38, 1035-1044.	4.0	26
93	A hybrid placement strategy for the three-dimensional strip packing problem. European Journal of Operational Research, 2011, 209, 219-227.	5.7	39
94	The simplified partial digest problem: Approximation and a graph-theoretic model. European Journal of Operational Research, 2011, 208, 142-152.	5.7	4
95	Personnel scheduling: Models and complexity. European Journal of Operational Research, 2011, 210, 467-473.	5.7	138
96	Adaptive iterated local search for cross-domain optimisation. , 2011, , .		13
97	Automated heuristic design. , 2011, , .		0
98	Evolutionary Squeaky Wheel Optimization: A New Framework for Analysis. Evolutionary Computation, 2011, 19, 405-428.	3.0	6
99	A Parallel Branch-and-Bound Approach to the Rectangular Guillotine Strip Cutting Problem. INFORMS Journal on Computing, 2011, 23, 15-25.	1.7	7
100	Fuzzy Logic-Based Production Scheduling and Rescheduling in the Presence of Uncertainty. Profiles in Operations Research, 2011, , 531-562.	0.4	4
101	The Cross-Domain Heuristic Search Challenge â€“ An International Research Competition. Lecture Notes in Computer Science, 2011, , 631-634.	1.3	23
102	A multi-objective approach for robust airline scheduling. Computers and Operations Research, 2010, 37, 822-832.	4.0	89
103	Preface for the special volume on Computational Intelligence in Scheduling. Annals of Operations Research, 2010, 180, 1-2.	4.1	2
104	A supernodal formulation of vertex colouring withÂapplications in course timetabling. Annals of Operations Research, 2010, 179, 105-130.	4.1	61
105	TSAT allocation at London Heathrow: theÂrelationship between slot compliance, throughput and equity. Public Transport, 2010, 2, 173-198.	2.7	21
106	University space planning and space-type profiles. Journal of Scheduling, 2010, 13, 363-374.	1.9	5
107	A shift sequence based approach for nurse scheduling and a new benchmark dataset. Journal of Heuristics, 2010, 16, 559-573.	1.4	72
108	A Hybrid Evolutionary Approach to the Nurse Rostering Problem. IEEE Transactions on Evolutionary Computation, 2010, 14, 580-590.	10.0	75

#	Article	IF	Citations
109	A Genetic Programming Hyper-Heuristic Approach for Evolving 2-D Strip Packing Heuristics. IEEE Transactions on Evolutionary Computation, 2010, 14, 942-958.	10.0	112
110	RNA FRABASE 2.0: an advanced web-accessible database with the capacity to search the three-dimensional fragments within RNA structures. BMC Bioinformatics, 2010, 11, 231.	2.6	130
111	Hybrid variable neighbourhood approaches to university exam timetabling. European Journal of Operational Research, 2010, 206, 46-53.	5.7	103
112	Decomposition, reformulation, and diving in university course timetabling. Computers and Operations Research, 2010, 37, 582-597.	4.0	60
113	A hybrid model of integer programming and variable neighbourhood search for highly-constrained nurse rostering problems. European Journal of Operational Research, 2010, 203, 484-493.	5.7	132
114	A scatter search methodology for the nurse rostering problem. Journal of the Operational Research Society, 2010, 61, 1667-1679.	3.4	77
115	Setting the Research Agenda in Automated Timetabling: The Second International Timetabling Competition. INFORMS Journal on Computing, 2010, 22, 120-130.	1.7	171
116	Irregular Packing Using the Line and Arc No-Fit Polygon. Operations Research, 2010, 58, 948-970.	1.9	41
117	A Classification of Hyper-heuristic Approaches. Profiles in Operations Research, 2010, , 449-468.	0.4	339
118	Iterated local search vs. hyper-heuristics: Towards general-purpose search algorithms. , 2010, , .		34
119	Providing a memory mechanism to enhance the evolutionary design of heuristics. , 2010, , .		8
120	A Reinforcement Learning - Great-Deluge Hyper-Heuristic for Examination Timetabling. International Journal of Applied Metaheuristic Computing, 2010, 1, 39-59.	0.7	85
121	A Hyper-Heuristic Approach to Strip Packing Problems. , 2010, , 465-474.		3
122	Examination timetabling using late acceptance hyper-heuristics. , 2009, , .		37
123	Evolving reusable 3d packing heuristics with genetic programming. , 2009, , .		19
124	Analyzing the landscape of a graph based hyper-heuristic for timetabling problems. , 2009, , .		48
125	Hybridizations within a graph-based hyper-heuristic framework for university timetabling problems. Journal of the Operational Research Society, 2009, 60, 1273-1285.	3.4	96
126	Towards the decathlon challenge of search heuristics. , 2009, , .		8

#	Article	IF	Citations
127	An investigation of fuzzy multiple heuristic orderings in the construction of university examination timetables. Computers and Operations Research, 2009, 36, 981-1001.	4.0	42
128	A survey of search methodologies and automated system development for examination timetabling. Journal of Scheduling, 2009, 12, 55-89.	1.9	285
129	Improving the scalability of rule-based evolutionary learning. Memetic Computing, 2009, 1, 55-67.	4.0	84
130	An examination of take-off scheduling constraints atÂLondon Heathrow airport. Public Transport, 2009, 1, 169-187.	2.7	17
131	Mathematical justification of a heuristic for statistical correlation of real-life time series. European Journal of Operational Research, 2009, 198, 275-286.	5.7	116
132	Adaptive automated construction of hybrid heuristics for exam timetabling and graph colouring problems. European Journal of Operational Research, 2009, 198, 392-404.	5.7	76
133	Shared Potential Fields and their place in a multi-robot co-ordination taxonomy. Robotics and Autonomous Systems, 2009, 57, 1048-1055.	5.1	19
134	On the approximability of the Simplified Partial Digest Problem. Discrete Applied Mathematics, 2009, 157, 3586-3592.	0.9	2
135	Exploring Hyper-heuristic Methodologies with Genetic Programming. Intelligent Systems Reference Library, 2009, , 177-201.	1.2	175
136	Dispatching rules for production scheduling: A hyper-heuristic landscape analysis. , 2009, , .		23
137	Construction of examination timetables based on ordering heuristics. , 2009, , .		11
138	A Simulated Annealing Enhancement of the Best-Fit Heuristic for the Orthogonal Stock-Cutting Problem. INFORMS Journal on Computing, 2009, 21, 505-516.	1.7	101
139	A Component-Based Heuristic Search Method with Evolutionary Eliminations for Hospital Personnel Scheduling. INFORMS Journal on Computing, 2009, 21, 468-479.	1.7	11
140	Towards improving the utilization of university teaching space. Journal of the Operational Research Society, 2009, 60, 130-143.	3.4	30
141	Machine Learning in Virtual Screening. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 332-343.	1.1	169
142	On-line decision support for take-off runway scheduling withÂuncertain taxi times atÂLondon HeathrowÂairport. Journal of Scheduling, 2008, 11, 323-346.	1.9	129
143	Fuzzy job shop scheduling with lot-sizing. Annals of Operations Research, 2008, 159, 275-292.	4.1	53
144	Scheduling malleable tasks with interdependent processing rates: Comments and observations. Discrete Applied Mathematics, 2008, 156, 620-626.	0.9	4

#	Article	IF	Citations
145	A hybrid heuristic ordering and variable neighbourhood search for the nurse rostering problem. European Journal of Operational Research, 2008, 188, 330-341.	5.7	132
146	Heuristic, meta-heuristic and hyper-heuristic approaches for fresh produce inventory control and shelf space allocation. Journal of the Operational Research Society, 2008, 59, 1387-1397.	3.4	58
147	Search Strategies in Structural Bioinformatics. Current Protein and Peptide Science, 2008, 9, 260-274.	1.4	13
148	A Metaheuristic Approach to Aircraft Departure Scheduling at London Heathrow Airport. Lecture Notes in Economics and Mathematical Systems, 2008, , 235-252.	0.3	19
149	Penalising Patterns in Timetables: Novel Integer Programming Formulations. , 2008, , 409-414.		17
150	Metaheuristics for the Bi-objective Ring Star Problem. Lecture Notes in Computer Science, 2008, , 206-217.	1.3	7
151	Automatic heuristic generation with genetic programming. , 2007, , .		87
152	A tabu-based large neighbourhood search methodology for the capacitated examination timetabling problem. Journal of the Operational Research Society, 2007, 58, 1494-1502.	3.4	46
153	An estimation of distribution algorithm with intelligent local search for rule-based nurse rostering. Journal of the Operational Research Society, 2007, 58, 1574-1585.	3.4	67
154	A histogram-matching approach to the evolution of bin-packing strategies. , 2007, , .		34
155	Hybrid Metaheuristics to Aid Runway Scheduling at London Heathrow Airport. Transportation Science, 2007, 41, 90-106.	4.4	136
156	A hybrid evolutionary approach to the university course timetabling problem. , 2007, , .		64
157	Simplified Partial Digest Problem: Enumerative and Dynamic Programming Algorithms. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2007, 4, 668-680.	3.0	10
158	Memory Length in Hyper-heuristics: An Empirical Study. , 2007, , .		14
159	A simulated annealing based hyperheuristic for determining shipper sizes for storage and transportation. European Journal of Operational Research, 2007, 179, 759-774.	5.7	118
160	A graph-based hyper-heuristic for educational timetabling problems. European Journal of Operational Research, 2007, 176, 177-192.	5.7	393
161	ProCKSI: a decision support system for Protein (Structure) Comparison, Knowledge, Similarity and Information. BMC Bioinformatics, 2007, 8, 416.	2.6	48
162	Investigating Ahujaâ€“Orlinâ€™s large neighbourhood search approach for examination timetabling. OR Spectrum, 2007, 29, 351-372.	3.4	72

#	Article	IF	Citations
163	An evolutionary approach to cancer chemotherapy scheduling. Genetic Programming and Evolvable Machines, 2007, 8, 301-318.	2.2	19
164	Selected papers from the Dagstuhl workshop. Journal of Scheduling, 2007, 10, 85-86.	1.9	0
165	Complete and robust no-fit polygon generation for the irregular stock cutting problem. European Journal of Operational Research, 2007, 179, 27-49.	5.7	118
166	Using a Randomised Iterative Improvement Algorithm with Composite Neighbourhood Structures for the University Course Timetabling Problem. , 2007, , 153-169.		41
167	Investigating a Hybrid Metaheuristic for Job Shop Rescheduling. , 2007, , 357-368.		0
168	A New Bottom-Left-Fill Heuristic Algorithm for the Two-Dimensional Irregular Packing Problem. Operations Research, 2006, 54, 587-601.	1.9	133
169	A Multi Agent System to Control Complexity in Multi Modal Transport. , 2006, , .		7
170	The influence of the fitness evaluation method on the performance of multiobjective search algorithms. European Journal of Operational Research, 2006, 169, 875-897.	5.7	37
171	Using tree search bounds to enhance a genetic algorithm approach to two rectangle packing problems. European Journal of Operational Research, 2006, 168, 390-402.	5.7	39
172	The Speciating Island Model: An alternative parallel evolutionary algorithm. Journal of Parallel and Distributed Computing, 2006, 66, 1025-1036.	4.1	43
173	Case-based heuristic selection for timetabling problems. Journal of Scheduling, 2006, 9, 115-132.	1.9	169
174	Multiple-retrieval case-based reasoning for course timetabling problems. Journal of the Operational Research Society, 2006, 57, 148-162.	3.4	45
175	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. Applied Artificial Intelligence, 2006, 20, 743-766.	3.2	62
176	A Novel Fuzzy Approach to Evaluate the Quality of Examination Timetabling. , 2006, , 327-346.		6
177	The Teaching Space Allocation Problem with Splitting. , 2006, , 228-247.		5
178	A fuzzy sets based generalization of contact maps for the overlap of protein structures. Fuzzy Sets and Systems, 2005, 152, 103-123.	2.7	19
179	The Tree-String Problem: An Artificial Domain for Structure and Content Search. Lecture Notes in Computer Science, 2005, , 215-226.	1.3	9
180	Fuzzy Multiple Heuristic Orderings for Examination Timetabling. Lecture Notes in Computer Science, 2005, , 334-353.	1.3	50

#	Article	IF	Citations
181	Hybrid Graph Heuristics within a Hyper-Heuristic Approach to Exam Timetabling Problems. Operations Research/ Computer Science Interfaces Series, 2005, , 79-91.	0.3	30
182	Problem Difficulty and Code Growth in Genetic Programming. Genetic Programming and Evolvable Machines, 2004, 5, 271-290.	2.2	47
183	The State of the Art of Nurse Rostering. Journal of Scheduling, 2004, 7, 441-499.	1.9	666
184	A New Placement Heuristic for the Orthogonal Stock-Cutting Problem. Operations Research, 2004, 52, 655-671.	1.9	285
185	A time-predefined local search approach to exam timetabling problems. IIE Transactions, 2004, 36, 509-528.	2.1	148
186	Diversity in Genetic Programming: An Analysis of Measures and Correlation With Fitness. IEEE Transactions on Evolutionary Computation, 2004, 8, 47-62.	10.0	248
187	An Introduction to Multiobjective Metaheuristics for Scheduling and Timetabling. Lecture Notes in Economics and Mathematical Systems, 2004, , 91-129.	0.3	64
188	A Tabu-Search Hyperheuristic for Timetabling and Rostering. Journal of Heuristics, 2003, 9, 451-470.	1.4	403
189	Hyper-Heuristics: An Emerging Direction in Modern Search Technology. , 2003, , 457-474.		426
190	Variable Neighborhood Search for Nurse Rostering Problems. Applied Optimization, 2003, , 153-172.	0.4	29
191	A time-predefined approach to course timetabling. Yugoslav Journal of Operations Research, 2003, 13, 139-151.	0.8	50
192	Recent research directions in automated timetabling. European Journal of Operational Research, 2002, 140, 266-280.	5.7	306
193	A New Approach to Packing Non-Convex Polygons Using the No Fit Polygon and Meta-Heuristic and Evolutionary Algorithms. , 2002, , 193-204.		2
194	A Memetic Approach to the Nurse Rostering Problem. Applied Intelligence, 2001, 15, 199-214.	5.3	149
195	Case-Based Reasoning in Course Timetabling: An Attribute Graph Approach. Lecture Notes in Computer Science, 2001, , 90-104.	1.3	19
196	A Multicriteria Approach to Examination Timetabling. Lecture Notes in Computer Science, 2001, , 118-131.	1.3	28
197	Effective Local and Guided Variable Neighbourhood Search Methods for the Asymmetric Travelling Salesman Problem. Lecture Notes in Computer Science, 2001, , 203-212.	1.3	29
198	Structured cases in case-based reasoningâ€"re-using and adapting cases for time-tabling problems. Knowledge-Based Systems, 2000, 13, 159-165.	7.1	46

#	Article	IF	Citations
199	Hybrid evolutionary techniques for the maintenance scheduling problem. IEEE Transactions on Power Systems, 2000, 15, 122-128.	6.5	114
200	A Hybrid Tabu Search Algorithm for the Nurse Rostering Problem. Lecture Notes in Computer Science, 1999, , 187-194.	1.3	77
201	Comparison of meta-heuristic algorithms for clustering rectangles. Computers and Industrial Engineering, 1999, 37, 383-386.	6.3	8
202	The automatic assessment of formal specification coursework. Journal of Computing in Higher Education, 1999, 11, 86-119.	6.1	39
203	A multistage evolutionary algorithm for the timetable problem. IEEE Transactions on Evolutionary Computation, 1999, 3, 63-74.	10.0	137
204	Applying Ant Algorithms and the No Fit Polygon to the Nesting Problem. Lecture Notes in Computer Science, 1999, , 453-464.	1.3	11
205	Initialization Strategies and Diversity in Evolutionary Timetabling. Evolutionary Computation, 1998, 6, 81-103.	3.0	77
206	Examination timetabling in British Universities: A survey. Lecture Notes in Computer Science, 1996, , 76-90.	1.3	73
207	Specialised recombinative operators for timetabling problems. Lecture Notes in Computer Science, 1995, , 75-85.	1.3	24
208	A University Timetabling System Based on Graph Colouring and Constraint Manipulation. Journal of Research on Technology in Education, 1994, 27, 1-18.	0.9	58
209	Learning to construct quality software with the Ceilidh system. Software Quality Journal, 1993, 2, 177-197.	2.2	18
210	An Estimation of Distribution Algorithm with Intelligent Local Search for Rule-based Nurse Rostering. SSRN Electronic Journal, 0, , .	0.4	2
211	A Reinforcement Learning. , 0, , 34-55.		13
212	Investigating a Hybrid Metaheuristic for Job Shop Rescheduling. SSRN Electronic Journal, 0, , .	0.4	0