

Edmund K Burke

List of Publications by Year in descending order

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212
papers

13,472
citations

28736

57
h-index

32181

105
g-index

229
all docs

229
docs citations

229
times ranked

6674
citing authors

#	ARTICLE	IF	CITATIONS
1	A hyper-heuristic approach based upon a hidden Markov model for the multi-stage nurse rostering problem. <i>Computers and Operations Research</i> , 2021, 130, 105221.	2.4	14
2	Multiobjective evolutionary algorithms for strategic deployment of resources in operational units. <i>European Journal of Operational Research</i> , 2020, 282, 729-740.	3.5	7
3	Recent advances in selection hyper-heuristics. <i>European Journal of Operational Research</i> , 2020, 285, 405-428.	3.5	186
4	Multi-objective routing and scheduling for airport ground movement. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 119, 102734.	3.9	23
5	A cutoff time strategy based on the coupon collector's problem. <i>European Journal of Operational Research</i> , 2020, 286, 101-114.	3.5	2
6	A constructive framework for the preventive signalling maintenance crew scheduling problem in the Danish railway system. <i>Journal of the Operational Research Society</i> , 2019, 70, 1965-1982.	2.1	6
7	A Classification of Hyper-Heuristic Approaches: Revisited. <i>Profiles in Operations Research</i> , 2019, , 453-477.	0.3	88
8	Late Acceptance Hill Climbing for Constrained Covering Arrays. <i>Lecture Notes in Computer Science</i> , 2018, , 778-793.	1.0	5
9	Journal of Scheduling (2018). <i>Journal of Scheduling</i> , 2018, 21, 1-1.	1.3	1
10	A choice function hyper-heuristic framework for the allocation of maintenance tasks in Danish railways. <i>Computers and Operations Research</i> , 2018, 93, 15-26.	2.4	18
11	Pruning Rules for Optimal Runway Sequencing. <i>Transportation Science</i> , 2018, 52, 898-916.	2.6	16
12	Hyper-heuristics. , 2018, , 489-545.		3
13	An online speed profile generation approach for efficient airport ground movement. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 93, 256-272.	3.9	17
14	A fuzzy approach to addressing uncertainty in Airport Ground Movement optimisation. <i>Transportation Research Part C: Emerging Technologies</i> , 2018, 92, 150-175.	3.9	43
15	Hyper-heuristics. , 2018, , 1-57.		2
16	A hybrid breakout local search and reinforcement learning approach to the vertex separator problem. <i>European Journal of Operational Research</i> , 2017, 261, 803-818.	3.5	14
17	A methodology for determining an effective subset of heuristics in selection hyper-heuristics. <i>European Journal of Operational Research</i> , 2017, 260, 972-983.	3.5	40
18	An Iterated Local Search Framework with Adaptive Operator Selection for Nurse Rostering. <i>Lecture Notes in Computer Science</i> , 2017, , 93-108.	1.0	5

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19	Journal of Scheduling (2017). Journal of Scheduling, 2017, 20, 1-1.	1.3	5
20	The late acceptance Hill-Climbing heuristic. European Journal of Operational Research, 2017, 258, 70-78.	3.5	124
21	Breakout local search for the multi-objective gate allocation problem. Computers and Operations Research, 2017, 78, 80-93.	2.4	36
22	The Multi-Funnel Structure of TSP Fitness Landscapes: A Visual Exploration. Lecture Notes in Computer Science, 2016, , 1-13.	1.0	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.	4.7	36
24	Heuristic search for the coupled runway sequencing and taxiway routing problem. Transportation Research Part C: Emerging Technologies, 2016, 71, 333-355.	3.9	32
25	An Adaptive Flex-Deluge Approach to University Exam Timetabling. INFORMS Journal on Computing, 2016, 28, 781-794.	1.0	18
26	Journal of Scheduling (2016). Journal of Scheduling, 2016, 19, 1-1.	1.3	8
27	A multi-agent based cooperative approach to scheduling and routing. European Journal of Operational Research, 2016, 254, 169-178.	3.5	72
28	Modelling and solving generalised operational surgery scheduling problems. Computers and Operations Research, 2016, 66, 1-11.	2.4	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.	2.3	33
30	The Practice and Theory of Automated Timetabling (2012). Annals of Operations Research, 2016, 239, 1-2.	2.6	3
31	Modified Choice Function Heuristic Selection for the Multidimensional Knapsack Problem. Advances in Intelligent Systems and Computing, 2015, , 225-234.	0.5	11
32	An Integer Linear Programming approach to the single and bi-objective Next Release Problem. Information and Software Technology, 2015, 65, 1-13.	3.0	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.	1.3	5
36	Comments on: An overview of curriculum-based course timetabling. Top, 2015, 23, 355-358.	1.1	3

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37	Surgical scheduling with simultaneous employment of specialised human resources. European Journal of Operational Research, 2015, 245, 719-730.	3.5	40
38	On parallel local search for permutations. Journal of the Operational Research Society, 2015, 66, 822-831.	2.1	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.	3.5	69
42	A more realistic approach for airport ground movement optimisation with stand holding. Journal of Scheduling, 2014, 17, 507-520.	1.3	52
43	Searching the Hyper-heuristic Design Space. Cognitive Computation, 2014, 6, 66-73.	3.6	35
44	An analysis of constructive algorithms for the airport baggage sorting station assignment problem. Journal of Scheduling, 2014, 17, 601-619.	1.3	11
45	Unified encoding for hyper-heuristics with application to bioinformatics. Central European Journal of Operations Research, 2014, 22, 567-589.	1.1	11
46	Aircraft taxi time prediction: Comparisons and insights. Applied Soft Computing Journal, 2014, 14, 397-406.	4.1	47
47	A constructive approach to examination timetabling based on adaptive decomposition and ordering. Annals of Operations Research, 2014, 218, 3-21.	2.6	20
48	Adaptive selection of heuristics for improving exam timetables. Annals of Operations Research, 2014, 218, 129-145.	2.6	26
49	The practice and theory of automated timetabling. Annals of Operations Research, 2014, 218, 1-2.	2.6	29
50	Adaptive linear combination of heuristic orderings in constructing examination timetables. European Journal of Operational Research, 2014, 232, 287-297.	3.5	28
51	New approaches to nurse rostering benchmark instances. European Journal of Operational Research, 2014, 237, 71-81.	3.5	76
52	Journal of Scheduling (2013). Journal of Scheduling, 2013, 16, 1-2.	1.3	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.	1.7	94

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55	A greedy gradient-simulated annealing selection hyper-heuristic. <i>Soft Computing</i> , 2013, 17, 2279-2292.	2.1	33
56	An effective heuristic for the two-dimensional irregular bin packing problem. <i>Annals of Operations Research</i> , 2013, 206, 241-264.	2.6	42
57	A hyper-heuristic approach to sequencing by hybridization of DNA sequences. <i>Annals of Operations Research</i> , 2013, 207, 27-41.	2.6	16
58	Hyper-heuristics: a survey of the state of the art. <i>Journal of the Operational Research Society</i> , 2013, 64, 1695-1724.	2.1	880
59	MLP accompanied beam search for the resonance assignment problem. <i>Journal of Heuristics</i> , 2013, 19, 443-464.	1.1	6
60	An orchestrated survey of methodologies for automated software test case generation. <i>Journal of Systems and Software</i> , 2013, 86, 1978-2001.	3.3	493
61	A new model and a hyper-heuristic approach for two-dimensional shelf space allocation. <i>4or</i> , 2013, 11, 31-55.	1.0	37
62	A combined statistical approach and ground movement model for improving taxi time estimations at airports. <i>Journal of the Operational Research Society</i> , 2013, 64, 1347-1360.	2.1	48
63	Addressing the Pushback Time Allocation Problem at Heathrow Airport. <i>Transportation Science</i> , 2013, 47, 584-602.	2.6	33
64	A Time Predefined Variable Depth Search for Nurse Rostering. <i>INFORMS Journal on Computing</i> , 2013, 25, 411-419.	1.0	27
65	Applications to Timetabling. <i>Discrete Mathematics and Its Applications</i> , 2013, , 530-562.	0.1	1
66	Automating the Packing Heuristic Design Process with Genetic Programming. <i>Evolutionary Computation</i> , 2012, 20, 63-89.	2.3	78
67	Data Structures for Higher-Dimensional Rectilinear Packing. <i>INFORMS Journal on Computing</i> , 2012, 24, 457-470.	1.0	0
68	Grammatical Evolution of Local Search Heuristics. <i>IEEE Transactions on Evolutionary Computation</i> , 2012, 16, 406-417.	7.5	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. <i>Discrete Applied Mathematics</i> , 2012, 160, 1924-1935.	0.5	20
72	A branch and bound algorithm for the cyclic job-shop problem with transportation. <i>Computers and Operations Research</i> , 2012, 39, 3200-3214.	2.4	20

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73	HyFlex: A Benchmark Framework for Cross-Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 136-147.	1.0	110
74	An Improved Choice Function Heuristic Selection for Cross Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 307-316.	1.0	35
75	Editorial: new branches, old roots. Journal of Scheduling, 2012, 15, 399-401.	1.3	0
76	A simulated annealing hyper-heuristic methodology for flexible decision support. 4or, 2012, 10, 43-66.	1.0	57
77	A Pareto-based search methodology for multi-objective nurse scheduling. Annals of Operations Research, 2012, 196, 91-109.	2.6	30
78	Monte Carlo hyper-heuristics for examination timetabling. Annals of Operations Research, 2012, 196, 73-90.	2.6	49
79	The falling tide algorithm: A new multi-objective approach for complex workforce scheduling. Omega, 2012, 40, 283-293.	3.6	49
80	A space-indexed formulation of packing boxes into a larger box. Operations Research Letters, 2012, 40, 20-24.	0.5	15
81	The efficiency of indicator-based local search for multi-objective combinatorial optimisation problems. Journal of Heuristics, 2012, 18, 263-296.	1.1	32
82	A branch-and-cut procedure for the Udine Course Timetabling problem. Annals of Operations Research, 2012, 194, 71-87.	2.6	40
83	Linear combinations of heuristics for examination timetabling. Annals of Operations Research, 2012, 194, 89-109.	2.6	17
84	A new model for automated examination timetabling. Annals of Operations Research, 2012, 194, 291-315.	2.6	43
85	A pattern recognition based intelligent search method and two assignment problem case studies. Applied Intelligence, 2012, 36, 442-453.	3.3	10
86	Vehicle Routing and Adaptive Iterated Local Search within the HyFlex Hyper-heuristic Framework. Lecture Notes in Computer Science, 2012, , 265-276.	1.0	25
87	An Evolutionary Algorithm for the Over-constrained Airport Baggage Sorting Station Assignment Problem. Lecture Notes in Computer Science, 2012, , 32-41.	1.0	8
88	Progress control in iterated local search for nurse rostering. Journal of the Operational Research Society, 2011, 62, 360-367.	2.1	16
89	Local search for the surgery admission planning problem. Journal of Heuristics, 2011, 17, 389-414.	1.1	60
90	A comparison of two methods for reducing take-off delay at London Heathrow airport. Journal of Scheduling, 2011, 14, 409-421.	1.3	20

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91	Integrating neural networks and logistic regression to underpin hyper-heuristic search. Knowledge-Based Systems, 2011, 24, 322-330.	4.0	20
92	A squeaky wheel optimisation methodology for two-dimensional strip packing. Computers and Operations Research, 2011, 38, 1035-1044.	2.4	26
93	A hybrid placement strategy for the three-dimensional strip packing problem. European Journal of Operational Research, 2011, 209, 219-227.	3.5	39
94	The simplified partial digest problem: Approximation and a graph-theoretic model. European Journal of Operational Research, 2011, 208, 142-152.	3.5	4
95	Personnel scheduling: Models and complexity. European Journal of Operational Research, 2011, 210, 467-473.	3.5	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.	2.3	6
99	A Parallel Branch-and-Bound Approach to the Rectangular Guillotine Strip Cutting Problem. INFORMS Journal on Computing, 2011, 23, 15-25.	1.0	7
100	Fuzzy Logic-Based Production Scheduling and Rescheduling in the Presence of Uncertainty. Profiles in Operations Research, 2011, , 531-562.	0.3	4
101	The Cross-Domain Heuristic Search Challenge " An International Research Competition. Lecture Notes in Computer Science, 2011, , 631-634.	1.0	23
102	A multi-objective approach for robust airline scheduling. Computers and Operations Research, 2010, 37, 822-832.	2.4	89
103	Preface for the special volume on Computational Intelligence in Scheduling. Annals of Operations Research, 2010, 180, 1-2.	2.6	2
104	A supernodal formulation of vertex colouring with applications in course timetabling. Annals of Operations Research, 2010, 179, 105-130.	2.6	61
105	TSAT allocation at London Heathrow: the relationship between slot compliance, throughput and equity. Public Transport, 2010, 2, 173-198.	1.7	21
106	University space planning and space-type profiles. Journal of Scheduling, 2010, 13, 363-374.	1.3	5
107	A shift sequence based approach for nurse scheduling and a new benchmark dataset. Journal of Heuristics, 2010, 16, 559-573.	1.1	72
108	A Hybrid Evolutionary Approach to the Nurse Rostering Problem. IEEE Transactions on Evolutionary Computation, 2010, 14, 580-590.	7.5	75

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109	A Genetic Programming Hyper-Heuristic Approach for Evolving 2-D Strip Packing Heuristics. IEEE Transactions on Evolutionary Computation, 2010, 14, 942-958.	7.5	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.	1.2	130
111	Hybrid variable neighbourhood approaches to university exam timetabling. European Journal of Operational Research, 2010, 206, 46-53.	3.5	103
112	Decomposition, reformulation, and diving in university course timetabling. Computers and Operations Research, 2010, 37, 582-597.	2.4	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.	3.5	132
114	A scatter search methodology for the nurse rostering problem. Journal of the Operational Research Society, 2010, 61, 1667-1679.	2.1	77
115	Setting the Research Agenda in Automated Timetabling: The Second International Timetabling Competition. INFORMS Journal on Computing, 2010, 22, 120-130.	1.0	171
116	Irregular Packing Using the Line and Arc No-Fit Polygon. Operations Research, 2010, 58, 948-970.	1.2	41
117	A Classification of Hyper-heuristic Approaches. Profiles in Operations Research, 2010, , 449-468.	0.3	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.	0.5	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.	2.1	96
126	Towards the decathlon challenge of search heuristics. , 2009, , .		8

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127	An investigation of fuzzy multiple heuristic orderings in the construction of university examination timetables. <i>Computers and Operations Research</i> , 2009, 36, 981-1001.	2.4	42
128	A survey of search methodologies and automated system development for examination timetabling. <i>Journal of Scheduling</i> , 2009, 12, 55-89.	1.3	285
129	Improving the scalability of rule-based evolutionary learning. <i>Memetic Computing</i> , 2009, 1, 55-67.	2.7	84
130	An examination of take-off scheduling constraints at London Heathrow airport. <i>Public Transport</i> , 2009, 1, 169-187.	1.7	17
131	Mathematical justification of a heuristic for statistical correlation of real-life time series. <i>European Journal of Operational Research</i> , 2009, 198, 275-286.	3.5	116
132	Adaptive automated construction of hybrid heuristics for exam timetabling and graph colouring problems. <i>European Journal of Operational Research</i> , 2009, 198, 392-404.	3.5	76
133	Shared Potential Fields and their place in a multi-robot co-ordination taxonomy. <i>Robotics and Autonomous Systems</i> , 2009, 57, 1048-1055.	3.0	19
134	On the approximability of the Simplified Partial Digest Problem. <i>Discrete Applied Mathematics</i> , 2009, 157, 3586-3592.	0.5	2
135	Exploring Hyper-heuristic Methodologies with Genetic Programming. <i>Intelligent Systems Reference Library</i> , 2009, , 177-201.	1.0	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. <i>INFORMS Journal on Computing</i> , 2009, 21, 505-516.	1.0	101
139	A Component-Based Heuristic Search Method with Evolutionary Eliminations for Hospital Personnel Scheduling. <i>INFORMS Journal on Computing</i> , 2009, 21, 468-479.	1.0	11
140	Towards improving the utilization of university teaching space. <i>Journal of the Operational Research Society</i> , 2009, 60, 130-143.	2.1	30
141	Machine Learning in Virtual Screening. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 332-343.	0.6	169
142	On-line decision support for take-off runway scheduling with uncertain taxi times at London Heathrow Airport. <i>Journal of Scheduling</i> , 2008, 11, 323-346.	1.3	129
143	Fuzzy job shop scheduling with lot-sizing. <i>Annals of Operations Research</i> , 2008, 159, 275-292.	2.6	53
144	Scheduling malleable tasks with interdependent processing rates: Comments and observations. <i>Discrete Applied Mathematics</i> , 2008, 156, 620-626.	0.5	4

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145	A hybrid heuristic ordering and variable neighbourhood search for the nurse rostering problem. European Journal of Operational Research, 2008, 188, 330-341.	3.5	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.	2.1	58
147	Search Strategies in Structural Bioinformatics. Current Protein and Peptide Science, 2008, 9, 260-274.	0.7	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.	1.0	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.	2.1	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.	2.1	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.	2.6	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.	1.9	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.	3.5	118
160	A graph-based hyper-heuristic for educational timetabling problems. European Journal of Operational Research, 2007, 176, 177-192.	3.5	393
161	ProCKSI: a decision support system for Protein (Structure) Comparison, Knowledge, Similarity and Information. BMC Bioinformatics, 2007, 8, 416.	1.2	48
162	Investigating Ahuja's "Orlin's" large neighbourhood search approach for examination timetabling. OR Spectrum, 2007, 29, 351-372.	2.1	72

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163	An evolutionary approach to cancer chemotherapy scheduling. Genetic Programming and Evolvable Machines, 2007, 8, 301-318.	1.5	19
164	Selected papers from the Dagstuhl workshop. Journal of Scheduling, 2007, 10, 85-86.	1.3	0
165	Complete and robust no-fit polygon generation for the irregular stock cutting problem. European Journal of Operational Research, 2007, 179, 27-49.	3.5	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.	1.2	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.	3.5	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.	3.5	39
172	The Speciating Island Model: An alternative parallel evolutionary algorithm. Journal of Parallel and Distributed Computing, 2006, 66, 1025-1036.	2.7	43
173	Case-based heuristic selection for timetabling problems. Journal of Scheduling, 2006, 9, 115-132.	1.3	169
174	Multiple-retrieval case-based reasoning for course timetabling problems. Journal of the Operational Research Society, 2006, 57, 148-162.	2.1	45
175	METAHEURISTICS FOR HANDLING TIME INTERVAL COVERAGE CONSTRAINTS IN NURSE SCHEDULING. Applied Artificial Intelligence, 2006, 20, 743-766.	2.0	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.	1.6	19
179	The Tree-String Problem: An Artificial Domain for Structure and Content Search. Lecture Notes in Computer Science, 2005, , 215-226.	1.0	9
180	Fuzzy Multiple Heuristic Orderings for Examination Timetabling. Lecture Notes in Computer Science, 2005, , 334-353.	1.0	50

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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.	1.5	47
183	The State of the Art of Nurse Rostering. Journal of Scheduling, 2004, 7, 441-499.	1.3	666
184	A New Placement Heuristic for the Orthogonal Stock-Cutting Problem. Operations Research, 2004, 52, 655-671.	1.2	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.	7.5	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.	1.1	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.	0.5	50
192	Recent research directions in automated timetabling. European Journal of Operational Research, 2002, 140, 266-280.	3.5	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.	3.3	149
195	Case-Based Reasoning in Course Timetabling: An Attribute Graph Approach. Lecture Notes in Computer Science, 2001, , 90-104.	1.0	19
196	A Multicriteria Approach to Examination Timetabling. Lecture Notes in Computer Science, 2001, , 118-131.	1.0	28
197	Effective Local and Guided Variable Neighbourhood Search Methods for the Asymmetric Travelling Salesman Problem. Lecture Notes in Computer Science, 2001, , 203-212.	1.0	29
198	Structured cases in case-based reasoningâ€”re-using and adapting cases for time-tabling problems. Knowledge-Based Systems, 2000, 13, 159-165.	4.0	46

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199	Hybrid evolutionary techniques for the maintenance scheduling problem. IEEE Transactions on Power Systems, 2000, 15, 122-128.	4.6	114
200	A Hybrid Tabu Search Algorithm for the Nurse Rostering Problem. Lecture Notes in Computer Science, 1999, , 187-194.	1.0	77
201	Comparison of meta-heuristic algorithms for clustering rectangles. Computers and Industrial Engineering, 1999, 37, 383-386.	3.4	8
202	The automatic assessment of formal specification coursework. Journal of Computing in Higher Education, 1999, 11, 86-119.	3.9	39
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