Ender Ozcan

List of Publications by Year
in descending order

156 papers	5,196 citations	145106 33 h-index	124990 64 g-index
164 all docs	164 docs citations	164 times ranked	3119 citing authors

#	Article	IF	Citations
1	A Decision Support System for Assessing and Prioritizing Sustainable Urban Transportation in Metaverse. IEEE Transactions on Fuzzy Systems, 2023, 31, 475-484.	6.5	53
2	Metaheuristics â€œIn the Largeâ€• European Journal of Operational Research, 2022, 297, 393-406.	3.5	32
3	Interval type-2 hesitant fuzzy Entropy-based WASPAS approach for aircraft type selection. Applied Soft Computing Journal, 2022, 114, 108076.	4.1	34
4	A fusion spatial attention approach for few-shot learning. Information Fusion, 2022, 81, 187-202.	11.7	12
5	Many-objective test case generation for graphical user interface applications via search-based and model-based testing. Expert Systems With Applications, 2022, 208, 118075.	4.4	1
6	Many-objective Optimisation for an Integrated Supply Chain Management Problem. Studies in Fuzziness and Soft Computing, 2021, , 97-111.	0.6	0
7	Interval type-2 fuzzy sets improved by Simulated Annealing for locating the electric charging stations. Information Sciences, 2021, 547, 641-666.	4.0	65
8	Preface: The practice and theory of automated timetabling (2018). Annals of Operations Research, 2021, 302, 339-340.	2.6	0
9	L2AE-D: Learning to Aggregate Embeddings for Few-shot Learning with Meta-level Dropout. Neurocomputing, 2021, 442, 200-208.	3.5	8
10	Hyper-heuristic approach: automatically designing adaptive mutation operators for evolutionary programming. Complex & Intelligent Systems, 2021, 7, 3135-3163.	4.0	2
11	Offshore wind farm site selection using interval rough numbers based Best-Worst Method and MARCOS. Applied Soft Computing Journal, 2021, 109, 107532.	4.1	90
12	Comparative Analysis of Selection Hyper-Heuristics for Real-World Multi-Objective Optimization Problems. Applied Sciences (Switzerland), 2021, 11, 9153.	1.3	15
13	Evolutionary algorithms for multi-objective flexible job shop cell scheduling. Applied Soft Computing Journal, 2021, 113, 107890.	4.1	13
14	Comparison of heuristics and metaheuristics for topology optimisation in acoustic porous materials. Journal of the Acoustical Society of America, 2021, 150, 3164-3175.	0.5	6
15	Recent advances in selection hyper-heuristics. European Journal of Operational Research, 2020, 285, 405-428.	3.5	186
16	An experimental analysis of deepest bottom-left-fill packing methods for additive manufacturing. International Journal of Production Research, 2020, 58, 6917-6933.	4.9	15
17	Hyper-Heuristics based on Reinforcement Learning, Balanced Heuristic Selection and Group Decision Acceptance. Applied Soft Computing Journal, 2020, 97, 106760.	4.1	12
18	Exact and hyperâ€heuristic solutions for the distributionâ€installation problem from the VeRoLog 2019 challenge. Networks, 2020, 76, 294-319.	1.6	6

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19	Exploring Problem State Transformations to Enhance Hyper-heuristics for the Job-Shop Scheduling Problem. , 2020, , .		5
20	Offshore Wind Farms: A Fuzzy Approach to Site Selection in a Black Sea Region. , 2020, , .		10
21	A study on offshore wind farm siting criteria using a novel interval-valued fuzzy-rough based Delphi method. Journal of Environmental Management, 2020, 270, 110916.	3.8	85
22	A multimodal particle swarm optimization-based approach for image segmentation. Expert Systems With Applications, 2020, 149, 113233.	4.4	73
23	Hyperheuristics for explicit resource partitioning in simultaneous multithreadedprocessors. Turkish Journal of Electrical Engineering and Computer Sciences, 2020, 28, 821-835.	0.9	0
24	The practice and theory of automated timetabling (2016). Annals of Operations Research, 2019, 275, 1-2.	2.6	3
25	A review on the self and dual interactions between machine learning and optimisation. Progress in Artificial Intelligence, 2019, 8, 143-165.	1.5	57
26	A Study on the Interpretability of a Fuzzy System to Control an Inverted Pendulum. , 2019, , .		5
27	Fuzzy Hot Spot Identification for Big Data: An Initial Approach. , 2019, , .		0
28	Analysis of irregular three-dimensional packing problems in additive manufacturing: a new taxonomy and dataset. International Journal of Production Research, 2019, 57, 5920-5934.	4.9	59
29	A Classification of Hyper-Heuristic Approaches: Revisited. Profiles in Operations Research, 2019, , 453-477.	0.3	88
30	Automated generation of constructive ordering heuristics for educational timetabling. Annals of Operations Research, 2019, 275, 181-208.	2.6	23
31	A Learning Automata-Based Multiobjective Hyper-Heuristic. IEEE Transactions on Evolutionary Computation, 2019, 23, 59-73.	7.5	50
32	Evolutionary computation for wind farm layout optimization. Renewable Energy, 2018, 126, 681-691.	4.3	56
33	Interval type-2 hesitant fuzzy set method for improving the service quality of domestic airlines in Turkey. Journal of Air Transport Management, 2018, 69, 83-98.	2.4	36
34	To kit or not to kit: Analysing the value of model-based kitting for additive manufacturing. Computers in Industry, 2018, 98, 100-117.	5.7	25
35	A hyper-heuristic approach to automated generation of mutation operators for evolutionary programming. Applied Soft Computing Journal, 2018, 62, 162-175.	4.1	35
36	Late Acceptance Selection Hyper-heuristic for Wind Farm Layout Optimisation Problem. , 2018, , .		2

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37	Move acceptance in local search metaheuristics for cross-domain search. Expert Systems With Applications, 2018, 109, 131-151.	4.4	17
38	Summary of evolutionary computation for wind farm layout optimization. , 2018, , .		1
39	A Re-characterization of Hyper-Heuristics. Operations Research/ Computer Science Interfaces Series, 2018, , 75-89.	0.3	6
40	Data Clustering Using Grouping Hyper-heuristics. Lecture Notes in Computer Science, 2018, , 101-115.	1.0	4
41	Fairness in examination timetabling: Student preferences and extended formulations. Applied Soft Computing Journal, 2017, 55, 302-318.	4.1	28
42	Multi-objective optimisation in inventory planning with supplier selection. Expert Systems With Applications, 2017, 78, 51-63.	4.4	31
43	Multi-objective evolutionary algorithms and hyper-heuristics for wind farm layout optimisation. Renewable Energy, 2017, 105, 473-482.	4.3	70
44	Learning heuristic selection using a Time Delay Neural Network for Open Vehicle Routing. , 2017, , .		27
45	A modified indicator-based evolutionary algorithm (mIBEA). , 2017, , .		6
46	Tuning a Simulated Annealing metaheuristic for cross-domain search. , 2017, , .		6
47	Sparse, Continuous Policy Representations for Uniform Online Bin Packing via Regression of Interpolants. Lecture Notes in Computer Science, 2017, , 189-200.	1.0	5
48	Automatically Designing More General Mutation Operators of Evolutionary Programming for Groups of Function Classes Using a Hyper-Heuristic. , 2016, , .		3
49	An investigation of tuning a memetic algorithm for cross-domain search. , 2016, , .		2
50	A comparative study of fuzzy parameter control in a general purpose local search metaheuristic. , 2016, , .		0
51	A tensor based hyper-heuristic for nurse rostering. Knowledge-Based Systems, 2016, 98, 185-199.	4.0	34
52	A self-adaptive Multimeme Memetic Algorithm co-evolving utility scores to control genetic operators and their parameter settings. Applied Soft Computing Journal, 2016, 49, 81-93.	4.1	21
53	Combining Monte-Carlo and hyper-heuristic methods for the multi-mode resource-constrained multi-project scheduling problem. Information Sciences, 2016, 373, 476-498.	4.0	73
54	CHAMP: Creating heuristics via many parameters for online bin packing. Expert Systems With Applications, 2016, 63, 208-221.	4.4	23

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55	A multi-agent based cooperative approach to scheduling and routing. European Journal of Operational Research, 2016, 254, 169-178.	3.5	72
56	Iterated local search using an add and delete hyper-heuristic for university course timetabling. Applied Soft Computing Journal, 2016, 40, 581-593.	4.1	48
57	An iterated multi-stage selection hyper-heuristic. European Journal of Operational Research, 2016, 250, 77-90.	3.5	36
58	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
59	A stochastic local search algorithm with adaptive acceptance for high-school timetabling. Annals of Operations Research, 2016, 239, 135-151.	2.6	21
60	The Practice and Theory of Automated Timetabling (2012). Annals of Operations Research, 2016, 239, 1-2.	2.6	3
61	An Analysis of the Taguchi Method for Tuning a Memetic Algorithm with Reduced Computational Time Budget. Communications in Computer and Information Science, 2016, , 12-20.	0.4	6
62	Ensemble Move Acceptance in Selection Hyper-heuristics. Communications in Computer and Information Science, 2016, , 21-29.	0.4	0
63	Modified Choice Function Heuristic Selection for the Multidimensional Knapsack Problem. Advances in Intelligent Systems and Computing, 2015, , 225-234.	0.5	11
64	A modified choice function hyper-heuristic controlling unary and binary operators. , 2015, , .		15
65	A comparison of crossover control mechanisms within single-point selection hyper-heuristics using HyFlex. , 2015, , .		2
66	A simulated annealing approach to supplier selection aware inventory planning. , 2015, , .		4
67	A tensor-based selection hyper-heuristic for cross-domain heuristic search. Information Sciences, 2015, 299, 412-432.	4.0	35
68	A grouping hyper-heuristic framework: Application on graph colouring. Expert Systems With Applications, 2015, 42, 5491-5507.	4.4	14
69	Choice function based hyper-heuristics for multi-objective optimization. Applied Soft Computing Journal, 2015, 28, 312-326.	4.1	50
70	Detecting change and dealing with uncertainty in imperfect evolutionary environments. Information Sciences, 2015, 302, 33-49.	4.0	3
71	Solving high school timetabling problems worldwide using selection hyper-heuristics. Expert Systems With Applications, 2015, 42, 5463-5471.	4.4	34
72	Comments on: An overview of curriculum-based course timetabling. Top, 2015, 23, 355-358.	1.1	3

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73	A Tensor Analysis Improved Genetic Algorithm for Online Bin Packing. , 2015, , .		4
74	Fuzzy multi-criteria decision making for carbon dioxide geological storage in Turkey. Journal of Natural Gas Science and Engineering, 2015, 27, 692-705.	2.1	65
75	A Software Interface for Supporting the Application of Data Science to Optimisation. Lecture Notes in Computer Science, 2015, , 306-311.	1.0	3
76	A genetic programming hyper-heuristic for the multidimensional knapsack problem. Kybernetes, 2014, 43, 1500-1511.	1.2	39
77	An apprenticeship learning hyper-heuristic for vehicle routing in HyFlex. , 2014, , .		15
78	Interval type-2 fuzzy sets in supplier selection. , 2014, , .		18
79	Fuzzy adaptive parameter control of a late acceptance hyper-heuristic. , 2014, , .		7
80	Soft morphological filter optimization using a genetic algorithm for noise elimination. , 2014, , .		1
81	A step size based self-adaptive mutation operator for evolutionary programming. , 2014, , .		6
82	Hyperion2. , 2014, , .		6
83	Constructing Constrained-Version of Magic Squares Using Selection Hyper-heuristics. Computer Journal, 2014, 57, 469-479.	1.5	7
84	Heuristic generation via parameter tuning for online bin packing. , 2014, , .		8
85	Searching the Hyper-heuristic Design Space. Cognitive Computation, 2014, 6, 66-73.	3.6	35
86	A multi-objective hyper-heuristic based on choice function. Expert Systems With Applications, 2014, 41, 4475-4493.	4.4	87
87	A constructive approach to examination timetabling based on adaptive decomposition and ordering. Annals of Operations Research, 2014, 218, 3-21.	2.6	20
88	The practice and theory of automated timetabling. Annals of Operations Research, 2014, 218, 1-2.	2.6	29
89	Adaptive linear combination of heuristic orderings in constructing examination timetables. European Journal of Operational Research, 2014, 232, 287-297.	3.5	28
90	A greedy gradient-simulated annealing selection hyper-heuristic. Soft Computing, 2013, 17, 2279-2292.	2.1	33

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91	Cooperative search for fair nurse rosters. Expert Systems With Applications, 2013, 40, 6674-6683.	4.4	38
92	Hyper-heuristics: a survey of the state of the art. Journal of the Operational Research Society, 2013, 64, 1695-1724.	2.1	880
93	Dimension reduction in the search for online bin packing policies. , 2013, , .		2
94	Generalizing Hyper-heuristics via Apprenticeship Learning. Lecture Notes in Computer Science, 2013, , 169-178.	1.0	10
95	A hybrid multi-population framework for dynamic environments combining online and offline learning. Soft Computing, 2013, 17, 2327-2348.	2.1	19
96	Group decision making hyper-heuristics for function optimisation. , 2013, , .		5
97	A grouping hyper-heuristic framework based on linear linkage encoding for graph coloring. , 2013, , .		0
98	Bidirectional best-fit heuristic considering compound placement for two dimensional orthogonal rectangular strip packing. Expert Systems With Applications, 2013, 40, 4035-4043.	4.4	16
99	Special issue on maintenance scheduling: theory and applications. Journal of Scheduling, 2013, 16, 549-550.	1.3	3
100	Selection hyper-heuristics in dynamic environments. Journal of the Operational Research Society, 2013, 64, 1753-1769.	2.1	33
101	A runtime analysis of simple hyper-heuristics. , 2013, , .		36
102	Exploring heuristic interactions in constraint satisfaction problems: A closer look at the hyper-heuristic space. , 2013, , .		6
103	A genetic programming hyper-heuristic: Turning features into heuristics for constraint satisfaction. , 2013, , .		2
104	Late acceptance-based selection hyper-heuristics for cross-domain heuristic search. , 2013, , .		16
105	Memetic algorithms for Cross-domain Heuristic Search. , 2013, , .		4
106	Hyper-Heuristics for Performance Optimization of Simultaneous Multithreaded Processors. Lecture Notes in Electrical Engineering, 2013, , 97-106.	0.3	3
107	An Ant-Based Selection Hyper-heuristic for Dynamic Environments. Lecture Notes in Computer Science, 2013, , 626-635.	1.0	8
108	A Hyper-heuristic with a Round Robin Neighbourhood Selection. Lecture Notes in Computer Science, 2013, , 1-12.	1.0	6

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109	Generation of VNS Components with Grammatical Evolution for Vehicle Routing. Lecture Notes in Computer Science, 2013, , 25-36.	1.0	19
110	Automated Design of Probability Distributions as Mutation Operators for Evolutionary Programming Using Genetic Programming. Lecture Notes in Computer Science, 2013, , 85-96.	1.0	22
111	A Two Stage Approach for High School Timetabling. Lecture Notes in Computer Science, 2013, , 66-73.	1.0	5
112	Batched Mode Hyper-heuristics. Lecture Notes in Computer Science, 2013, , 404-409.	1.0	9
113	Heuristics for car setup optimisation in TORCS. , 2012, , .		5
114	Improving the performance of vector hyper-heuristics through local search. , 2012, , .		2
115	Heuristic selection in a multi-phase hybrid approach for dynamic environments. , 2012, , .		6
116	Characterization of dominant microbial populations in shalgam juice using 16S rRNA. New Biotechnology, 2012, 29, S118.	2.4	5
117	A greedy gradient-simulated annealing hyper-heuristic for a curriculum-based course timetabling problem. , 2012, , .		12
118	An Improved Choice Function Heuristic Selection for Cross Domain Heuristic Search. Lecture Notes in Computer Science, 2012, , 307-316.	1.0	35
119	Monte Carlo hyper-heuristics for examination timetabling. Annals of Operations Research, 2012, 196, 73-90.	2.6	49
120	The Interleaved Constructive Memetic Algorithm and its application to timetabling. Computers and Operations Research, 2012, 39, 2310-2322.	2.4	22
121	A Hyper-Heuristic Based on Random Gradient, Greedy and Dominance. , 2011, , 557-563.		7
122	On the idea of evolving decision matrix hyper-heuristics for solving constraint satisfaction problems. , 2011, , .		1
123	An Investigation of Selection Hyper-heuristics in Dynamic Environments. Lecture Notes in Computer Science, 2011, , 314-323.	1.0	9
124	Policy matrix evolution for generation of heuristics. , 2011, , .		14
125	Hyperion â€“ A Recursive Hyper-Heuristic Framework. Lecture Notes in Computer Science, 2011, , 616-630.	1.0	21
126	Variable and Value Ordering Decision Matrix Hyper-heuristics: A Local Improvement Approach. Lecture Notes in Computer Science, 2011, , 125-136.	1.0	0

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127	Special issue on hyper-heuristics in search andÂoptimization. Journal of Heuristics, 2010, 16, 745-748.	1.1	1
128	Mapping the performance of heuristics for Constraint Satisfaction. , 2010, , .		19
129	A Classification of Hyper-heuristic Approaches. Profiles in Operations Research, 2010, , 449-468.	0.3	339
130	Scheduling English Football Fixtures over the Holiday Period Using Hyper-heuristics. , 2010, , 496-505.		4
131	A Reinforcement Learning - Great-Deluge Hyper-Heuristic for Examination Timetabling. International Journal of Applied Metaheuristic Computing, 2010, 1, 39-59.	0.5	85
132	Examination timetabling using late acceptance hyper-heuristics. , 2009, , .		37
133	A greedy hyper-heuristic in dynamic environments. , 2009, , .		11
134	A case study of memetic algorithms for constraint optimization. Soft Computing, 2009, 13, 871-882.	2.1	32
135	Bidirectional best-fit heuristic for orthogonal rectangular strip packing. Annals of Operations Research, 2009, 172, 405-427.	2.6	29
136	Exploring Hyper-heuristic Methodologies with Genetic Programming. Intelligent Systems Reference Library, 2009, , 177-201.	1.0	175
137	Construction of examination timetables based on ordering heuristics. , 2009, , .		11
138	A multi-level search framework for asynchronous cooperation of multiple hyper-heuristics. , 2009, , .		3
139	A comprehensive analysis of hyper-heuristics. Intelligent Data Analysis, 2008, 12, 3-23.	0.4	212
140	A Grouping Genetic Algorithm Using Linear Linkage Encoding for Bin Packing. Lecture Notes in Computer Science, 2008, , 1140-1149.	1.0	8
141	A Recognizer for Free-Hand Graph Drawings. , 2007, , .		1
142	Memetic Algorithms for Parallel Code Optimization. International Journal of Parallel Programming, 2007, 35, 33-61.	1.1	24
143	Particle Swarms for Multimodal Optimization. Lecture Notes in Computer Science, 2007, , 366-375.	1.0	24
144	A Genetic Algorithm for Generating Improvised Music. , 2007, , 266-277.		9

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145	Memes, Self-generation and Nurse Rostering. , 2006, , 85-104.		9
146	Hill Climbers and Mutational Heuristics in Hyperheuristics. Lecture Notes in Computer Science, 2006, , 202-211.	1.0	35
147	Linear Linkage Encoding in Grouping Problems: Applications on Graph Coloring and Timetabling. , 2006, , 347-363.		19
148	An Experimental Study on Hyper-heuristics and Exam Timetabling. , 2006, , 394-412.		46
149	Memetic Algorithms for Nurse Rostering. Lecture Notes in Computer Science, 2005, , 482-492.	1.0	32
150	Towards an XML-Based Standard for Timetabling Problems: TTML. , 2005, , 163-185.		9
151	Partial shape matching using genetic algorithms. Pattern Recognition Letters, 1997, 18, 987-992.	2.6	53
152	Particle swarm optimization: surfing the waves. , 0, , .		224
153	Memetic algorithms for timetabling. , 0, , .		36
154	Genetic algorithms for parallel code optimization. , 0, , .		5
155	Final Exam Scheduler - FES. , 0, , .		14
156	A Reinforcement Learning. , 0, , 34-55.		13