

Mehmet E Aydin

List of Publications by Citations

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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.

75
papers

812
citations

15
h-index

26
g-index

90
ext. papers

988
ext. citations

2.8
avg, IF

4.62
L-index

#	Paper	IF	Citations
75	Dynamic job-shop scheduling using reinforcement learning agents. <i>Robotics and Autonomous Systems</i> , 2000 , 33, 169-178	3.5	140
74	A Distributed Evolutionary Simulated Annealing Algorithm for Combinatorial Optimisation Problems. <i>Journal of Heuristics</i> , 2004 , 10, 269-292	1.9	70
73	Towards 5G: A Reinforcement Learning-Based Scheduling Solution for Data Traffic Management. <i>IEEE Transactions on Network and Service Management</i> , 2018 , 15, 1661-1675	4.8	47
72	A simulated annealing algorithm for multi-agent systems: a job-shop scheduling application. <i>Journal of Intelligent Manufacturing</i> , 2004 , 15, 805-814	6.7	38
71	Coordinating metaheuristic agents with swarm intelligence. <i>Journal of Intelligent Manufacturing</i> , 2012 , 23, 991-999	6.7	37
70	UMTS base station location planning: a mathematical model and heuristic optimisation algorithms. <i>IET Communications</i> , 2007 , 1, 1007	1.3	31
69	Teams of autonomous agents for job-shop scheduling problems: An experimental study. <i>Journal of Intelligent Manufacturing</i> , 2004 , 15, 455-462	6.7	28
68	Threats on the horizon: understanding security threats in the era of cyber-physical systems. <i>Journal of Supercomputing</i> , 2020 , 76, 2643-2664	2.5	25
67	Solving large-scale uncapacitated facility location problems with evolutionary simulated annealing. <i>International Journal of Production Research</i> , 2006 , 44, 4773-4791	7.8	23
66	A new orthogonal array based crossover, with analysis of gene interactions, for evolutionary algorithms and its application to car door design. <i>Expert Systems With Applications</i> , 2010 , 37, 3853-3862	7.8	21
65	Parallel variable neighbourhood search algorithms for job shop scheduling problems. <i>IMA Journal of Management Mathematics</i> , 2007 , 18, 117-133	1.4	20
64	A Variable Neighbourhood Search Algorithm for Job Shop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2006 , 261-271	0.9	19
63	Heuristic-based neural networks for stochastic dynamic lot sizing problem. <i>Applied Soft Computing Journal</i> , 2013 , 13, 1332-1339	7.5	18
62	Multiuser scheduling on the LTE downlink with meta-heuristic approaches. <i>Physical Communication</i> , 2013 , 9, 257-265	2.2	15
61	A quantitative approach for measuring process innovation: a case study in a manufacturing company. <i>International Journal of Production Research</i> , 2013 , 51, 3463-3475	7.8	15
60	Creep modelling of polypropylenes using artificial neural networks trained with Bee algorithms. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 45, 71-79	7.2	14
59	A multi-agent based approach for change management in manufacturing enterprises. <i>Journal of Intelligent Manufacturing</i> , 2015 , 26, 975-988	6.7	14

58	Main Effect Fine-tuning of the Mutation Operator and the Neighbourhood Function for Uncapacitated Facility Location Problems. <i>Soft Computing</i> , 2006 , 10, 1075-1090	3.5	14
57	QoE-Based Mobility-Aware Collaborative Video Streaming on the Edge of 5G. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 7115-7125	11.9	13
56	Scheduling policies based on dynamic throughput and fairness tradeoff control in LTE-A networks 2014 ,		10
55	Multiuser Scheduling on the LTE Downlink with Simulated Annealing 2011 ,		10
54	Multiuser scheduling in high speed downlink packet access. <i>IET Communications</i> , 2009 , 3, 1363	1.3	10
53	A statistics-based genetic algorithm for quality improvements of power supplies. <i>European Journal of Industrial Engineering</i> , 2009 , 3, 468	1.1	10
52	Variable Neighbourhood Search for Job Shop Scheduling Problems. <i>Journal of Software</i> , 2006 , 1,	3	9
51	Adaptive binary artificial bee colony algorithm. <i>Applied Soft Computing Journal</i> , 2021 , 101, 107054	7.5	9
50	Metaheuristic Agent Teams for Job Shop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2007 , 185-194	0.9	8
49	An analytical framework for high-speed hardware particle swarm optimization. <i>Microprocessors and Microsystems</i> , 2020 , 72, 102949	2.4	8
48	Adaptive proportional fair parameterization based LTE scheduling using continuous actor-critic reinforcement learning 2014 ,		7
47	Multi Objective Resource Scheduling in LTE Networks Using Reinforcement Learning. <i>International Journal of Distributed Systems and Technologies</i> , 2012 , 3, 39-57	0.3	7
46	Monitoring the Performance of Petrochemical Organizations in Saudi Arabia Using Data Envelopment Analysis. <i>Mathematics</i> , 2019 , 7, 519	2.3	6
45	An orthogonal array based genetic algorithm for developing neural network based process models of fluid dispensing. <i>International Journal of Production Research</i> , 2006 , 44, 4815-4836	7.8	6
44	A Novel Programming Model and Optimisation Algorithms for WCDMA Networks. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	6
43	Building Collaboration in Multi-agent Systems Using Reinforcement Learning. <i>Lecture Notes in Computer Science</i> , 2018 , 201-212	0.9	6
42	Sequential and Parallel Variable Neighborhood Search Algorithms for Job Shop Scheduling. <i>Studies in Computational Intelligence</i> , 2008 , 125-144	0.8	6
41	A hybrid swarm intelligence algorithm for multiuser scheduling in HSDPA. <i>Applied Soft Computing Journal</i> , 2013 , 13, 2990-2996	7.5	5

40	Scanning Environments with Swarms of Learning Birds: A Computational Intelligence Approach for Managing Disasters 2011 ,		5
39	Swarms of Metaheuristic Agents: A Model for Collective intelligence 2010 ,		5
38	An exploration of the literature on the use of 'swarm intelligence-based techniques' for public service problems. <i>European Journal of Industrial Engineering</i> , 2009 , 3, 379	1.1	5
37	Multiuser Scheduling in HSDPA using Simulated Annealing 2008 ,		5
36	GENETIC ALGORITHMS WITH DYNAMIC MUTATION RATES AND THEIR INDUSTRIAL APPLICATIONS. <i>International Journal of Computational Intelligence and Applications</i> , 2008 , 07, 103-128	1.2	5
35	Mathematical Modelling and Comparisons of Four Heuristic Optimization Algorithms for WCDMA Radio Network Planning 2006 ,		5
34	Utilizing Next Generation Emerging Technologies for Enabling Collective Computational Intelligence in Disaster Management. <i>Studies in Computational Intelligence</i> , 2011 , 503-526	0.8	4
33	A Comparison of Reinforcement Learning Algorithms in Fairness-Oriented OFDMA Schedulers. <i>Information (Switzerland)</i> , 2019 , 10, 315	2.6	3
32	A Novel Learning-Based Spectrum Sensing Technique for Cognitive Radio Networks 2013 ,		3
31	Collaboration of heterogenous metaheuristic agents 2010 ,		3
30	A Comparative Investigation on Heuristic Optimization of WCDMA Radio Networks 2007 , 111-120		3
29	Multiuser Scheduling in HSDPA with Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2009 , 71-80	0.9	3
28	Feature Selection with Artificial Bee Colony Algorithms for Classifying Parkinson Diseases. <i>Proceedings of the International Neural Networks Society</i> , 2020 , 338-351	0.5	2
27	Editorial Message: Special Issue on Efficient Fuzzy Systems for Mining Large Scale, Imprecise, Uncertain and Vague Data. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 1203-1204	3.6	2
26	Selecting Display Products for Furniture Stores Using Fuzzy Multi-criteria Decision Making Techniques. <i>Communications in Computer and Information Science</i> , 2018 , 181-193	0.3	2
25	Stochastic model of TCP and UDP traffic in IEEE 802.11b/g 2014 ,		2
24	A novel dynamic Q-learning-based scheduler technique for LTE-advanced technologies using neural networks 2012 ,		2
23	Transfer Learning for Operator Selection: A Reinforcement Learning Approach. <i>Algorithms</i> , 2022 , 15, 24	1.8	2

22	Machine Learning in Radio Resource Scheduling. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2019 , 24-56	0.2	2
21	Agentification of Individuals: A Multi-Agent Approach to Metaheuristics. <i>Journal of Computer Science and Systems Biology</i> , 2013 , 06,	0	2
20	A honeybees-inspired heuristic algorithm for numerical optimisation. <i>Neural Computing and Applications</i> , 2020 , 32, 12311-12325	4.8	2
19	A multi agent-based approach for energy efficient water resource management. <i>Computers and Industrial Engineering</i> , 2021 , 151, 106679	6.4	2
18	Max-gain relay selection scheme for wireless networks 2021 , 24, 183-191		2
17	An adaptive opportunistic routing scheme for reliable data delivery in WSNs 2018 ,		2
16	A Parametric Study for Congestion Control in Queuing Networks 2017 ,		1
15	Enhancing User Fairness in OFDMA Radio Access Networks Through Machine Learning 2019 ,		1
14	Guaranteeing User Rates With Reinforcement Learning in 5G Radio Access Networks. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2019 , 163-198	0.2	1
13	Adaptive operator selection with reinforcement learning. <i>Information Sciences</i> , 2021 , 581, 773-790	7.7	1
12	Elicitation of the Factors Affecting Electricity Distribution Efficiency Using the Fuzzy AHP Method. <i>Mathematics</i> , 2021 , 9, 82	2.3	1
11	Multi-Agent Path Planning Approach Using Assignment Strategy Variations in Pursuit of Moving Targets. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 451-463	0.5	1
10	A Strategic Search Algorithm in Multi-agent and Multiple Target Environment. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 195-204	0.4	1
9	Smartness and Strategic Priority Assessment in Transition to Mobility 4.0 for Smart Cities. <i>Journal of Intelligent Systems Theory and Applications</i> , 2021 , 4, 113-126	0.1	1
8	A Stream X-Machine Tool for Modelling and Generating Test Cases for Chronic Diseases Based on State-Counting Approach. <i>Programming and Computer Software</i> , 2021 , 47, 765-777	0.8	1
7	Managing Congestion in Vehicular Networks Using Tabu Search. <i>Communications in Computer and Information Science</i> , 2018 , 118-129	0.3	
6	A Particle Swarm Optimization Algorithm for Multiuser Scheduling in HSDPA. <i>Lecture Notes in Computer Science</i> , 2008 , 395-396	0.9	
5	Solving Set Union Knapsack Problems with Adaptive Binary Artificial Bee Colony. <i>Journal of Intelligent Systems Theory and Applications</i> , 43-54	0.1	

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3 Reinforcement Learning-Based Adaptive Operator Selection. *Communications in Computer and Information Science*, **2021**, 29-41 0.3

2 Pandemic Management With Social Media Analytics. *Advances in Data Mining and Database Management Book Series*, **2021**, 78-107 0.6

1 Diversifying Search in Bee Algorithms for Numerical Optimisation. *Lecture Notes in Computer Science*, **2018**, 132-144 0.9