

# Masri Ayob

## List of Publications by Year in descending order

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77  
papers

1,287  
citations

430874  
18  
h-index

414414  
32  
g-index

77  
all docs

77  
docs citations

77  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced clustering models with wiki-based k-nearest neighbors-based representation for web search result clustering. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 840-850.	3.9	5
2	Unified Graph-Based Missing Label Propagation Method for Multilabel Text Classification. Symmetry, 2022, 14, 286.	2.2	3
3	Enhanced Connectivity Validity Measure Based on Outlier Detection for Multi-Objective Metaheuristic Data Clustering Algorithms. Applied Computational Intelligence and Soft Computing, 2022, 2022, 1-10.	2.3	0
4	Speech emotion recognition using optimized genetic algorithm-extreme learning machine. Multimedia Tools and Applications, 2022, 81, 23963-23989.	3.9	12
5	Hybrid Bird Mating Optimizer With Single-Based Algorithms for Combinatorial Optimization Problems. IEEE Access, 2021, 9, 115972-115989.	4.2	6
6	Enhancing web search result clustering model based on multiview multirepresentation consensus cluster ensemble (mmcc) approach. PLoS ONE, 2021, 16, e0245264.	2.5	19
7	An IoT-Based Prediction Technique for Efficient Energy Consumption in Buildings. IEEE Transactions on Green Communications and Networking, 2021, 5, 2076-2088.	5.5	10
8	Extreme Learning Machine for Automatic Language Identification Utilizing Emotion Speech Data. , 2021, , .		4
9	Mel-Frequency Cepstral Coefficient Features Based on Standard Deviation and Principal Component Analysis for Language Identification Systems. Cognitive Computation, 2021, 13, 1136-1153.	5.2	17
10	A self-adaptation algorithm for quay crane scheduling at a container terminal. IAES International Journal of Artificial Intelligence, 2021, 10, 919.	0.8	0
11	Hybrid Cuckoo Search for the Capacitated Vehicle Routing Problem. Symmetry, 2020, 12, 2088.	2.2	6
12	Smart Root Search (SRS): A Novel Nature-Inspired Search Algorithm. Symmetry, 2020, 12, 2025.	2.2	3
13	Genetic Algorithm Based on Natural Selection Theory for Optimization Problems. Symmetry, 2020, 12, 1758.	2.2	74
14	Bird Mating Optimizer for Combinatorial Optimization Problems. IEEE Access, 2020, 8, 96845-96858.	4.2	16
15	Solving text clustering problem using a memetic differential evolution algorithm. PLoS ONE, 2020, 15, e0232816.	2.5	17
16	Smoothing Secant Line Slope Using Aggregation Fischer Burmeister Function. IEEE Access, 2020, 8, 100521-100532.	4.2	0
17	Optimised genetic algorithm-extreme learning machine approach for automatic COVID-19 detection. PLoS ONE, 2020, 15, e0242899.	2.5	38
18	A Dynamic Two-Layers MI and Clustering-based Ensemble Feature Selection for Multi-Labels Text Classification. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	1

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19	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
20	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
21	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
22	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
23	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
24	Solving text clustering problem using a memetic differential evolution algorithm. , 2020, 15, e0232816.		0
25	Spoken language identification based on optimised genetic algorithmâ€“extreme learning machine approach. International Journal of Speech Technology, 2019, 22, 711-727.	2.2	44
26	An improved adaptive memetic differential evolution optimization algorithms for data clustering problems. PLoS ONE, 2019, 14, e0216906.	2.5	14
27	A novel multi-parent order crossover in genetic algorithm for combinatorial optimization problems. Computers and Industrial Engineering, 2019, 133, 267-274.	6.3	36
28	Deluge Harmony Search Algorithm For Nurse Rostering Problems. , 2019, , .		8
29	Multi-label Arabic text categorization: A benchmark and baseline comparison of multi-label learning algorithms. Information Processing and Management, 2019, 56, 212-227.	8.6	42
30	MULTI-OBJECTIVES MEMETIC DISCRETE DIFFERENTIAL EVOLUTION ALGORITHM FOR SOLVING THE CONTAINER PRE-MARSHALLING PROBLEM. Journal of Information and Communication Technology, 2019, 18, 77-96.	0.4	3
31	Optimized Data Hiding in Complemented or Non-Complemented Form in Video Steganography. , 2018, , .		5
32	An Elite Pool-Based Big Bang-Big Crunch Metaheuristic for Data Clustering. Journal of Computer Science, 2018, 14, 1611-1626.	0.6	18
33	Feature ranking for enhancing boosting-based multi-label text categorization. Expert Systems With Applications, 2018, 113, 531-543.	7.6	32
34	An adaptive guided variable neighborhood search based on honey-bee mating optimization algorithm for the course timetabling problem. Soft Computing, 2017, 21, 6755-6765.	3.6	15
35	An adaptive hybrid algorithm for vehicle routing problems with time windows. Computers and Industrial Engineering, 2017, 113, 382-391.	6.3	28
36	Feature selection based on supervised topic modeling for boosting-based multi-label text categorization. , 2017, , .		2

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37	The effect of elite pool in hybrid population-based meta-heuristics for solving combinatorial optimization problems. Applied Soft Computing Journal, 2016, 44, 45-56.	7.2	20
38	Smart Root Search (SRS): A New Search Algorithm to Investigate Combinatorial Problems. , 2015, , .		1
39	Bird mating optimizer for discrete berth allocation problem. , 2015, , .		6
40	A Hybrid Meta-Heuristic Algorithm for Vehicle Routing Problem with Time Windows. International Journal on Artificial Intelligence Tools, 2015, 24, 1550021.	1.0	3
41	Meta-harmony search algorithm for the vehicle routing problem with time windows. Information Sciences, 2015, 325, 140-158.	6.9	59
42	Automatic Design of a Hyper-Heuristic Framework With Gene Expression Programming for Combinatorial Optimization Problems. IEEE Transactions on Evolutionary Computation, 2015, 19, 309-325.	10.0	97
43	On the performance of Scatter Search for post-enrolment course timetabling problems. Journal of Combinatorial Optimization, 2014, 27, 417-439.	1.3	12
44	Population based Local Search for university course timetabling problems. Applied Intelligence, 2014, 40, 44-53.	5.3	31
45	An Exponential Monte-Carlo algorithm for feature selection problems. Computers and Industrial Engineering, 2014, 67, 160-167.	6.3	25
46	Comparative Study of Meta-Heuristic Approaches for Solving Traveling Salesman Problems. Asian Journal of Applied Sciences, 2014, 7, 662-670.	0.4	7
47	Reduction Operators for Magnetic Optimization Algorithm. Journal of Applied Sciences, 2014, 14, 3446-3454.	0.3	2
48	Grammatical Evolution Hyper-Heuristic for Combinatorial Optimization Problems. IEEE Transactions on Evolutionary Computation, 2013, 17, 840-861.	10.0	94
49	Adaptive Neighbourhoods Structure Selection Mechanism in Simulated Annealing for Solving University Course Timetabling Problems. Journal of Applied Sciences, 2013, 13, 1087-1093.	0.3	6
50	A Hybrid Simulated Annealing with Solutions Memory for Curriculum-based Course Timetabling Problem. Journal of Applied Sciences, 2013, 13, 262-269.	0.3	14
51	Enhanced Harmony Search Algorithm for Nurse Rostering Problems. Journal of Applied Sciences, 2013, 13, 846-853.	0.3	10
52	Adaptive Guided Variable Neighborhood Search. Journal of Applied Sciences, 2013, 13, 883-888.	0.3	4
53	Local Search Heuristics for the One Dimensional Bin Packing Problems. Journal of Applied Sciences, 2013, 13, 919-923.	0.3	3
54	Constructive Heuristics for Team Orienteering Problems. Journal of Applied Sciences, 2013, 13, 876-882.	0.3	0

#	ARTICLE	IF	CITATIONS
55	The effect of learning mechanism in Variables Neighborhood Search. , 2012, , .		1
56	Multi-parent insertion crossover for vehicle routing problem with time windows. , 2012, , .		2
57	A graph coloring constructive hyper-heuristic for examination timetabling problems. Applied Intelligence, 2012, 37, 1-11.	5.3	86
58	A honey-bee mating optimization algorithm for educational timetabling problems. European Journal of Operational Research, 2012, 216, 533-543.	5.7	77
59	MPCA-ARDA for solving course timetabling problems. , 2011, , .		4
60	Hybridization of heuristic approach with variable neighborhood descent search to solve nurse Rostering problem at Universiti Kebangsaan Malaysia Medical Centre (UKMMC). , 2011, , .		6
61	Using Tabu search with multi-neighborhood structures to solve University Course Timetable UKM case study (faculty of engineering). , 2011, , .		5
62	Greedy constructive heuristic and local search algorithm for solving Nurse Rostering Problems. , 2011, , .		11
63	A constructive shift patterns approach with simulated annealing for nurse rostering problem. , 2010, , .		14
64	Big Bang-Big Crunch optimization algorithm to solve the course timetabling problem. , 2010, , .		15
65	Average late acceptance randomized descent algorithm for solving course timetabling problems. , 2010, , .		2
66	Stratified random sampling technique for integrated two-stage multi-neighbourhood tabu search for examination timetabling problem. , 2010, , .		2
67	Vehicle and driver scheduling modelling: A case study in UKM. , 2009, , .		2
68	Iterated two-stage multi-neighbourhood tabu search approach for examination timetabling problem. , 2009, , .		4
69	An exploration study of nurse rostering practice at Hospital Universiti Kebangsaan Malaysia. , 2009, , .		14
70	Multi-Neighbourhood Particle Collision Algorithm for solving course timetabling problems. , 2009, , .		12
71	Examination timetabling using scatter search hyper-heuristic. , 2009, , .		18
72	The optimisation of the single surface mount device placement machine in printed circuit board assembly: a survey. International Journal of Systems Science, 2009, 40, 553-569.	5.5	21

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73	Hybridization Multi-NeighbourhoodParticle Collision Algorithm and Great Deluge for solving course timetabling problems. , 2009, , .		10
74	A survey of surface mount device placement machine optimisation: Machine classification. European Journal of Operational Research, 2008, 186, 893-914.	5.7	71
75	A new model for examination room assignment problem: Case study at University Kebangsaan Malaysia. , 2008, , .		2
76	A triple objective function with a Chebychev dynamic pick-and-place point specification approach to optimise the surface mount placement machine. European Journal of Operational Research, 2005, 164, 609-626.	5.7	25
77	Gender Differences In Computer Literacy Level Among Undergraduate Students In Universiti Kebangsaan Malaysia (UKM). Electronic Journal of Information Systems in Developing Countries, 2000, 1, 1-8.	1.4	11