

# Masri Ayob

## List of Publications by Year in descending order

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77  
papers

1,287  
citations

430442

18  
h-index

414034

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. | 2.7 | 5         |
| 2  | Unified Graph-Based Missing Label Propagation Method for Multilabel Text Classification. Symmetry, 2022, 14, 286.   | 1.1 | 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.      | 1.6 | 0         |
| 4  | Speech emotion recognition using optimized genetic algorithm-extreme learning machine. Multimedia Tools and Applications, 2022, 81, 23963-23989.  | 2.6 | 12        |
| 5  | Hybrid Bird Mating Optimizer With Single-Based Algorithms for Combinatorial Optimization Problems. IEEE Access, 2021, 9, 115972-115989.   | 2.6 | 6         |
| 6  | Enhancing web search result clustering model based on multiview multirepresentation consensus cluster ensemble (mmcc) approach. PLoS ONE, 2021, 16, e0245264.   | 1.1 | 19        |
| 7  | An IoT-Based Prediction Technique for Efficient Energy Consumption in Buildings. IEEE Transactions on Green Communications and Networking, 2021, 5, 2076-2088.  | 3.5 | 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.                     | 3.6 | 17        |
| 10 | A self-adaptation algorithm for quay crane scheduling at a container terminal. IAES International Journal of Artificial Intelligence, 2021, 10, 919.  | 0.6 | 0         |
| 11 | Hybrid Cuckoo Search for the Capacitated Vehicle Routing Problem. Symmetry, 2020, 12, 2088.   | 1.1 | 6         |
| 12 | Smart Root Search (SRS): A Novel Nature-Inspired Search Algorithm. Symmetry, 2020, 12, 2025.  | 1.1 | 3         |
| 13 | Genetic Algorithm Based on Natural Selection Theory for Optimization Problems. Symmetry, 2020, 12, 1758.  | 1.1 | 74        |
| 14 | Bird Mating Optimizer for Combinatorial Optimization Problems. IEEE Access, 2020, 8, 96845-96858.   | 2.6 | 16        |
| 15 | Solving text clustering problem using a memetic differential evolution algorithm. PLoS ONE, 2020, 15, e0232816.   | 1.1 | 17        |
| 16 | Smoothing Secant Line Slope Using Aggregation Fischer Burmeister Function. IEEE Access, 2020, 8, 100521-100532.   | 2.6 | 0         |
| 17 | Optimised genetic algorithm-extreme learning machine approach for automatic COVID-19 detection. PLoS ONE, 2020, 15, e0242899.   | 1.1 | 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, .                | 0.5 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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€œextreme learning machine approach. International Journal of Speech Technology, 2019, 22, 711-727.                     | 1.4 | 44        |
| 26 | An improved adaptive memetic differential evolution optimization algorithms for data clustering problems. PLoS ONE, 2019, 14, e0216906.   | 1.1 | 14        |
| 27 | A novel multi-parent order crossover in genetic algorithm for combinatorial optimization problems. Computers and Industrial Engineering, 2019, 133, 267-274.                                | 3.4 | 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.                   | 5.4 | 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. | 0.3 | 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.  | 0.5 | 18        |
| 33 | Feature ranking for enhancing boosting-based multi-label text categorization. Expert Systems With Applications, 2018, 113, 531-543.   | 4.4 | 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.                   | 2.1 | 15        |
| 35 | An adaptive hybrid algorithm for vehicle routing problems with time windows. Computers and Industrial Engineering, 2017, 113, 382-391.  | 3.4 | 28        |
| 36 | Feature selection based on supervised topic modeling for boosting-based multi-label text categorization. , 2017, , .  |     | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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.                       | 4.1 | 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.                                 | 0.7 | 3         |
| 41 | Meta-harmony search algorithm for the vehicle routing problem with time windows. Information Sciences, 2015, 325, 140-158.  | 4.0 | 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. | 7.5 | 97        |
| 43 | On the performance of Scatter Search for post-enrolment course timetabling problems. Journal of Combinatorial Optimization, 2014, 27, 417-439.  | 0.8 | 12        |
| 44 | Population based Local Search for university course timetabling problems. Applied Intelligence, 2014, 40, 44-53.  | 3.3 | 31        |
| 45 | An Exponential Monte-Carlo algorithm for feature selection problems. Computers and Industrial Engineering, 2014, 67, 160-167.   | 3.4 | 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.  | 0.1 | 2         |
| 48 | Grammatical Evolution Hyper-Heuristic for Combinatorial Optimization Problems. IEEE Transactions on Evolutionary Computation, 2013, 17, 840-861.  | 7.5 | 94        |
| 49 | Adaptive Neighbourhoods Structure Selection Mechanism in Simulated Annealing for Solving University Course Timetabling Problems. Journal of Applied Sciences, 2013, 13, 1087-1093.          | 0.1 | 6         |
| 50 | A Hybrid Simulated Annealing with Solutions Memory for Curriculum-based Course Timetabling Problem. Journal of Applied Sciences, 2013, 13, 262-269.   | 0.1 | 14        |
| 51 | Enhanced Harmony Search Algorithm for Nurse Rostering Problems. Journal of Applied Sciences, 2013, 13, 846-853.   | 0.1 | 10        |
| 52 | Adaptive Guided Variable Neighborhood Search. Journal of Applied Sciences, 2013, 13, 883-888.   | 0.1 | 4         |
| 53 | Local Search Heuristics for the One Dimensional Bin Packing Problems. Journal of Applied Sciences, 2013, 13, 919-923.   | 0.1 | 3         |
| 54 | Constructive Heuristics for Team Orienteering Problems. Journal of Applied Sciences, 2013, 13, 876-882.   | 0.1 | 0         |

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|----|--|-----|-----------|
| 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.  | 3.3 | 86        |
| 58 | A honey-bee mating optimization algorithm for educational timetabling problems. European Journal of Operational Research, 2012, 216, 533-543.  | 3.5 | 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.      | 3.7 | 21        |

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|----|---|-----|-----------|
| 73 | Hybridization Multi-Neighbourhood Particle 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.  | 3.5 | 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. | 3.5 | 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.            | 0.9 | 11        |