

# Michalis Mavrovouniotis

## 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.

41  
papers

1,257  
citations

15  
h-index

35  
g-index

44  
ext. papers

1,566  
ext. citations

3.8  
avg. IF

5.42  
L-index

#	Paper	IF	Citations
41	A survey of swarm intelligence for dynamic optimization: Algorithms and applications. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 33, 1-17	9.8	300
40	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2019</b> , 49, 1448-1458	7.3	160
39	Ant Colony Optimization With Local Search for Dynamic Traveling Salesman Problems. <i>IEEE Transactions on Cybernetics</i> , <b>2017</b> , 47, 1743-1756	10.2	108
38	Ant colony optimization with immigrants schemes for the dynamic travelling salesman problem with traffic factors. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 4023-4037	7.5	99
37	A memetic ant colony optimization algorithm for the dynamic travelling salesman problem. <i>Soft Computing</i> , <b>2011</b> , 15, 1405-1425	3.5	67
36	Ant algorithms with immigrants schemes for the dynamic vehicle routing problem. <i>Information Sciences</i> , <b>2015</b> , 294, 456-477	7.7	64
35	Training neural networks with ant colony optimization algorithms for pattern classification. <i>Soft Computing</i> , <b>2015</b> , 19, 1511-1522	3.5	54
34	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2016</b> , 20, 590-605	15.6	52
33	Route Optimization of Electric Vehicles Based on Dynamic Wireless Charging. <i>IEEE Access</i> , <b>2018</b> , 6, 42551-42565	3.4	52
32	Self-tuning fuzzy PID-nonsingular fast terminal sliding mode control for robust fault tolerant control of robot manipulators. <i>ISA Transactions</i> , <b>2020</b> , 96, 60-68	5.5	46
31	Ant Colony Optimization with Immigrants Schemes in Dynamic Environments <b>2010</b> , 371-380		24
30	Memory-Based Immigrants for Ant Colony Optimization in Changing Environments. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 324-333	0.9	21
29	Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem <b>2012</b> ,		18
28	Multi-colony ant algorithms for the dynamic travelling salesman problem <b>2014</b> ,		16
27	A Benchmark Generator for Dynamic Permutation-Encoded Problems. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 508-517	0.9	16
26	Adapting the Pheromone Evaporation Rate in Dynamic Routing Problems. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 606-615	0.9	15
25	. <i>IEEE Computational Intelligence Magazine</i> , <b>2020</b> , 15, 52-63	5.6	14

24	Ant colony optimization with immigrants schemes for the dynamic railway junction rescheduling problem with multiple delays. <i>Soft Computing</i> , <b>2016</b> , 20, 2951-2966	3.5	13
23	An Ant Colony Optimization Based Memetic Algorithm for the Dynamic Travelling Salesman Problem <b>2015</b> ,		12
22	Ant colony optimization with self-adaptive evaporation rate in dynamic environments <b>2014</b> ,		11
21	Evolving neural networks using ant colony optimization with pheromone trail limits <b>2013</b> ,		10
20	An adaptive local search algorithm for real-valued dynamic optimization <b>2015</b> ,		10
19	Ant Colony Optimization with Immigrants Schemes for the Dynamic Vehicle Routing Problem. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 519-528	0.9	9
18	Ant Colony optimization for the Electric Vehicle Routing Problem <b>2018</b> ,		9
17	Genetic algorithms with adaptive immigrants for dynamic environments <b>2013</b> ,		8
16	Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments <b>2014</b> ,		7
15	An Immigrants Scheme Based on Environmental Information for Ant Colony Optimization for the Dynamic Travelling Salesman Problem. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 1-12	0.9	6
14	Ant Colony Optimization Algorithms with Immigrants Schemes for the Dynamic Travelling Salesman Problem. <i>Studies in Computational Intelligence</i> , <b>2013</b> , 317-341	0.8	6
13	Parallel Ant Colony Optimization for the Electric Vehicle Routing Problem <b>2019</b> ,		5
12	Population-Based Incremental Learning with Immigrants Schemes in Changing Environments <b>2015</b> ,		4
11	Ant colony optimization with direct communication for the traveling salesman problem <b>2010</b> ,		3
10	Dynamic Vehicle Routing: A Memetic Ant Colony Optimization Approach. <i>Studies in Computational Intelligence</i> , <b>2013</b> , 283-301	0.8	3
9	<b>2016</b> ,		3
8	Effective ACO-Based Memetic Algorithms for Symmetric and Asymmetric Dynamic Changes <b>2019</b> ,		2
7	Applying Ant Colony Optimization to Dynamic Binary-Encoded Problems. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 845-856	0.9	2

6	Direct Memory Schemes for Population-Based Incremental Learning in Cyclically Changing Environments. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 233-247	0.9	2
5	Pheromone modification strategy for the dynamic travelling salesman problem with weight changes <b>2017</b> ,		1
4	Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate <b>2014</b> ,		1
3	Scheduling a Fleet of Drones for Monitoring Missions With Spatial, Temporal, and Energy Constraints. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-13	6.1	1
2	Adaptive Multipopulation Evolutionary Algorithm for Contamination Source Identification in Water Distribution Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2021</b> , 147, 04021014 <sup>2.8</sup>		1
1	Pre-scheduled Colony Size Variation in Dynamic Environments. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 128-139	0.9	