

# Michalis Mavrovouniotis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4924304/publications.pdf>

Version: 2024-02-01

42  
papers

1,867  
citations

566801

15  
h-index

642321

23  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1803  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey of swarm intelligence for dynamic optimization: Algorithms and applications. <i>Swarm and Evolutionary Computation</i> , 2017, 33, 1-17.	4.5	409
2	An Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Robust Fault Tolerant Control of Robot Manipulators. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1448-1458.	5.9	288
3	Ant Colony Optimization With Local Search for Dynamic Traveling Salesman Problems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1743-1756.	6.2	166
4	Ant colony optimization with immigrants schemes for the dynamic travelling salesman problem with traffic factors. <i>Applied Soft Computing Journal</i> , 2013, 13, 4023-4037.	4.1	129
5	Self-tuning fuzzy PID-nonsingular fast terminal sliding mode control for robust fault tolerant control of robot manipulators. <i>ISA Transactions</i> , 2020, 96, 60-68.	3.1	98
6	Ant algorithms with immigrants schemes for the dynamic vehicle routing problem. <i>Information Sciences</i> , 2015, 294, 456-477.	4.0	88
7	A memetic ant colony optimization algorithm for the dynamic travelling salesman problem. <i>Soft Computing</i> , 2011, 15, 1405-1425.	2.1	82
8	Route Optimization of Electric Vehicles Based on Dynamic Wireless Charging. <i>IEEE Access</i> , 2018, 6, 42551-42565.	2.6	82
9	Training neural networks with ant colony optimization algorithms for pattern classification. <i>Soft Computing</i> , 2015, 19, 1511-1522.	2.1	78
10	An Adaptive Multipopulation Framework for Locating and Tracking Multiple Optima. <i>IEEE Transactions on Evolutionary Computation</i> , 2016, 20, 590-605.	7.5	65
11	Ant Colony Optimization Algorithms for Dynamic Optimization: A Case Study of the Dynamic Travelling Salesperson Problem [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2020, 15, 52-63.	3.4	32
12	Ant Colony Optimization with Immigrants Schemes in Dynamic Environments. , 2010, , 371-380.		29
13	Ant colony optimization with memory-based immigrants for the dynamic vehicle routing problem. , 2012, , .		26
14	Ant colony optimization with immigrants schemes for the dynamic railway junction rescheduling problem with multiple delays. <i>Soft Computing</i> , 2016, 20, 2951-2966.	2.1	24
15	Multi-colony ant algorithms for the dynamic travelling salesman problem. , 2014, , .		22
16	A Benchmark Generator for Dynamic Permutation-Encoded Problems. <i>Lecture Notes in Computer Science</i> , 2012, , 508-517.	1.0	22
17	Ant Colony optimization for the Electric Vehicle Routing Problem. , 2018, , .		20
18	Adapting the Pheromone Evaporation Rate in Dynamic Routing Problems. <i>Lecture Notes in Computer Science</i> , 2013, , 606-615.	1.0	20

#	ARTICLE	IF	CITATIONS
19	An Ant Colony Optimization Based Memetic Algorithm for the Dynamic Travelling Salesman Problem. , 2015, , .		17
20	Evolving neural networks using ant colony optimization with pheromone trail limits. , 2013, , .		16
21	An adaptive local search algorithm for real-valued dynamic optimization. , 2015, , .		14
22	Ant colony optimization with self-adaptive evaporation rate in dynamic environments. , 2014, , .		13
23	Parallel Ant Colony Optimization for the Electric Vehicle Routing Problem. , 2019, , .		12
24	Ant Colony Optimization with Immigrants Schemes for the Dynamic Vehicle Routing Problem. Lecture Notes in Computer Science, 2012, , 519-528.	1.0	10
25	Genetic algorithms with adaptive immigrants for dynamic environments. , 2013, , .		9
26	An Immigrants Scheme Based on Environmental Information for Ant Colony Optimization for the Dynamic Travelling Salesman Problem. Lecture Notes in Computer Science, 2012, , 1-12.	1.0	8
27	Interactive and non-interactive hybrid immigrants schemes for ant algorithms in dynamic environments. , 2014, , .		8
28	Ant Colony Optimization Algorithms with Immigrants Schemes for the Dynamic Travelling Salesman Problem. Studies in Computational Intelligence, 2013, , 317-341.	0.7	8
29	Population-Based Incremental Learning with Immigrants Schemes in Changing Environments. , 2015, , .		6
30	Dynamic Vehicle Routing: A Memetic Ant Colony Optimization Approach. Studies in Computational Intelligence, 2013, , 283-301.	0.7	6
31	Ant colony optimization with direct communication for the traveling salesman problem. , 2010, , .		4
32	Empirical study on the effect of population size on MAX-MIN ant system in dynamic environments. , 2016, , .		4
33	Pheromone modification strategy for the dynamic travelling salesman problem with weight changes. , 2017, , .		4
34	Memory-based multi-population genetic learning for dynamic shortest path problems. , 2019, , .		4
35	Adaptive Multipopulation Evolutionary Algorithm for Contamination Source Identification in Water Distribution Systems. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	4
36	Ant Colony optimization with Heuristic Repair for the Dynamic Vehicle Routing Problem. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
37	Effective ACO-Based Memetic Algorithms for Symmetric and Asymmetric Dynamic Changes. , 2019, , .		3
38	Elitism-based immigrants for ant colony optimization in dynamic environments: Adapting the replacement rate. , 2014, , .		2
39	Applying Ant Colony Optimization to Dynamic Binary-Encoded Problems. Lecture Notes in Computer Science, 2015, , 845-856.	1.0	2
40	Scheduling a Fleet of Drones for Monitoring Missions With Spatial, Temporal, and Energy Constraints. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15133-15145.	4.7	2
41	An Adaptive Evolutionary Algorithm for Bi-Level Multi-objective VRPs with Real-Time Traffic Conditions. , 2021, , .		1
42	Pre-scheduled Colony Size Variation in Dynamic Environments. Lecture Notes in Computer Science, 2017, , 128-139.	1.0	0