

Luca Maria Gambardella

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

6,211
citations

411340

20
h-index

445137

33
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42
all docs

42
docs citations

42
times ranked

5532
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Visual Localization of a Quadrotor Using Its Noise as Self-Supervision. IEEE Robotics and Automation Letters, 2022, 7, 2218-2225.	3.3	5
2	A Tabu Search algorithm for the Probabilistic Orienteering Problem. Computers and Operations Research, 2021, 126, 105107.	2.4	27
3	3-opt Metaheuristics for the Probabilistic Orienteering Problem. , 2021, , .		0
4	Machine Learning Approaches for the Traveling Salesman Problem: A Survey. , 2021, , .		2
5	Re-Initialising Solutions in a Random Restart Local Search for the Probabilistic Orienteering Problem. , 2021, , .		1
6	State-Consistency Loss for Learning Spatial Perception Tasks From Partial Labels. IEEE Robotics and Automation Letters, 2021, 6, 1112-1119.	3.3	2
7	A New Constructive Heuristic Driven by Machine Learning for the Traveling Salesman Problem. Algorithms, 2021, 14, 267.	1.2	9
8	Uncertainty-Aware Self-Supervised Learning of Spatial Perception Tasks. IEEE Robotics and Automation Letters, 2021, 6, 6693-6700.	3.3	9
9	Monte Carlo sampling for the tourist trip design problem. Millenium, 2019, , 83-90.	0.2	2
10	A Metaheuristic Algorithm for the Probabilistic Orienteering Problem. , 2019, , .		1
11	Machine Learning and Monte Carlo Sampling for the Probabilistic Orienteering Problem. , 2018, , .		6
12	Monte Carlo Sampling for the Probabilistic Orienteering Problem. AIRO Springer Series, 2018, , 169-177.	0.4	8
13	Swarmanoid: A Novel Concept for the Study of Heterogeneous Robotic Swarms. IEEE Robotics and Automation Magazine, 2013, 20, 60-71.	2.2	254
14	Heuristics for the probabilistic traveling salesman problem with deadlines based on quasi-parallel Monte Carlo sampling. Computers and Operations Research, 2013, 40, 1661-1670.	2.4	26
15	Statistical modelling of delays in a rail freight transportation network. , 2012, , .		16
16	Deep Big Multilayer Perceptrons for Digit Recognition. Lecture Notes in Computer Science, 2012, , 581-598.	1.0	24
17	ARGoS: a modular, parallel, multi-engine simulator for multi-robot systems. Swarm Intelligence, 2012, 6, 271-295.	1.3	399
18	Hardness Results for the Probabilistic Traveling Salesman Problem with Deadlines. Lecture Notes in Computer Science, 2012, , 392-403.	1.0	12

#	ARTICLE	IF	CITATIONS
19	Better Digit Recognition with a Committee of Simple Neural Nets. , 2011, , .		44
20	Convolutional Neural Network Committees for Handwritten Character Classification. , 2011, , .		331
21	A hybrid particle swarm optimization approach for the sequential ordering problem. Computers and Operations Research, 2011, 38, 1076-1085.	2.4	36
22	ARGoS: A modular, multi-engine simulator for heterogeneous swarm robotics. , 2011, , .		82
23	A new approach for heuristics-guided search in the In-Core Fuel Management Optimization. Progress in Nuclear Energy, 2010, 52, 339-351.	1.3	18
24	A class-based search for the in-core fuel management optimization of a pressurized water reactor. Annals of Nuclear Energy, 2010, 37, 1554-1560.	0.9	6
25	Deep, Big, Simple Neural Nets for Handwritten Digit Recognition. Neural Computation, 2010, 22, 3207-3220.	1.3	783
26	A survey on metaheuristics for stochastic combinatorial optimization. Natural Computing, 2009, 8, 239-287.	1.8	543
27	New Approximation-Based Local Search Algorithms for the Probabilistic Traveling Salesman Problem. Lecture Notes in Computer Science, 2009, , 681-688.	1.0	10
28	Algorithms for Failure Protection in Large IP-over-fiber and Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2006, , 231-259.	1.0	4
29	Maximum satisfiability: How good are tabu search and plateau moves in the worst-case?. European Journal of Operational Research, 2005, 166, 63-76.	3.5	15
30	AnthocNet: an adaptive nature-inspired algorithm for routing in mobile ad hoc networks. European Transactions on Telecommunications, 2005, 16, 443-455.	1.2	401
31	The SWARM-BOTS Project. Lecture Notes in Computer Science, 2005, , 31-44.	1.0	49
32	Ant Colony Optimization. Studies in Fuzziness and Soft Computing, 2004, , 101-121.	0.6	80
33	Swarm-Bot: A New Distributed Robotic Concept. Autonomous Robots, 2004, 17, 193-221.	3.2	277
34	An Ant Colony Optimization Approach to the Probabilistic Traveling Salesman Problem. Lecture Notes in Computer Science, 2002, , 883-892.	1.0	76
35	Solving the Homogeneous Probabilistic Traveling Salesman Problem by the ACO Metaheuristic. Lecture Notes in Computer Science, 2002, , 176-187.	1.0	33
36	A simulation tool for combined rail/road transport in intermodal terminals. Mathematics and Computers in Simulation, 2002, 59, 57-71.	2.4	86

#	ARTICLE	IF	CITATIONS
37	Effective neighbourhood functions for the flexible job shop problem. Journal of Scheduling, 2000, 3, 3-20.	1.3	398
38	An Ant Colony System Hybridized with a New Local Search for the Sequential Ordering Problem. INFORMS Journal on Computing, 2000, 12, 237-255.	1.0	298
39	Ant colonies for the travelling salesman problem. BioSystems, 1997, 43, 73-81.	0.9	1,595
40	A study of some properties of Ant-Q. Lecture Notes in Computer Science, 1996, , 656-665.	1.0	106