Michele Lombardi

List of Publications by Year
in descending order

43	673	623734	610901
papers	citations	14	24
		h-index	g-index

45	45	45	627
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Injecting Domain Knowledge in Neural Networks: A Controlled Experiment on a Constrained Problem. Lecture Notes in Computer Science, 2021, , 266-282.	1.3	3
2	Combining learning and optimization for transprecision computing. , 2020, , .		3
3	A semisupervised autoencoder-based approach for anomaly detection in high performance computing systems. Engineering Applications of Artificial Intelligence, 2019, 85, 634-644.	8.1	70
4	Anomaly Detection Using Autoencoders in High Performance Computing Systems. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9428-9433.	4.9	105
5	How to Tame Your Anticipatory Algorithm. , 2019, , .		4
6	How efficient is a global constraint in practice?. Constraints, 2018, 23, 87-122.	0.7	2
7	Model Agnostic Solution of CSPs via Deep Learning: A Preliminary Study. Lecture Notes in Computer Science, 2018, , 254-262.	1.3	11
8	Methods for off-line/on-line optimization under uncertainty. , 2018, , .		6
9	Empirical decision model learning. Artificial Intelligence, 2017, 244, 343-367.	5.8	56
10	User-Aware Electricity Price Optimization for the Competitive Market. Energies, 2017, 10, 1378.	3.1	14
11	The Multirate Resource Constraint. Lecture Notes in Computer Science, 2016, , 113-129.	1.3	0
12	A lagrangian propagator for artificial neural networks in constraint programming. Constraints, 2016, 21, 435-462.	0.7	9
13	Predictive Modeling for Job Power Consumption in HPC Systems. Lecture Notes in Computer Science, 2016, , 181-199.	1.3	31
14	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 2781-2794.	5.6	19
15	DARDIS: Distributed And Randomized DIspatching and Scheduling. Lecture Notes in Computer Science, 2016, , 493-507.	1.3	0
16	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty. Lecture Notes in Computer Science, 2015, , 279-294.	1.3	0
17	Power Capping in High Performance Computing Systems. Lecture Notes in Computer Science, 2015, , 524-540.	1.3	21
18	Embedding Decision Trees and Random Forests in Constraint Programming. Lecture Notes in Computer Science, 2015, , 74-90.	1.3	15

#	Article	IF	Citations
19	Strategic decision making on complex systems. Constraints, 2014, 19, 174-185.	0.7	3
20	CROSS cyclic resource-constrained scheduling solver. Artificial Intelligence, 2014, 206, 25-52.	5.8	9
21	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!. Lecture Notes in Computer Science, 2014, , 210-225.	1.3	5
22	Proactive Workload Dispatching on the EURORA Supercomputer. Lecture Notes in Computer Science, 2014, , 765-780.	1.3	13
23	Maximum-throughput mapping of SDFGs on multi-core SoC platforms. Journal of Parallel and Distributed Computing, 2013, 73, 1337-1350.	4.1	9
24	Robust Scheduling of Task Graphs under Execution Time Uncertainty. IEEE Transactions on Computers, 2013, 62, 98-111.	3.4	33
25	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling. Artificial Intelligence, 2012, 182-183, 58-67.	5.8	8
26	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey. Constraints, 2012, 17, 51-85.	0.7	45
27	The Weighted Average Constraint. Lecture Notes in Computer Science, 2012, , 191-206.	1.3	4
28	Global Cyclic Cumulative Constraint. Lecture Notes in Computer Science, 2012, , 81-96.	1.3	3
29	Optimal resource allocation and scheduling forÂtheÂCELL BE platform. Annals of Operations Research, 2011, 184, 51-77.	4.1	17
30	A Constraint Based Approach to Cyclic RCPSP. Lecture Notes in Computer Science, 2011, , 130-144.	1.3	3
31	Neuron Constraints to Model Complex Real-World Problems. Lecture Notes in Computer Science, 2011, , 115-129.	1.3	17
32	Precedence Constraint Posting for Cyclic Scheduling Problems. Lecture Notes in Computer Science, 2011, , 137-153.	1.3	2
33	Stochastic allocation and scheduling for conditional task graphs inÂmulti-processor systems-on-chip. Journal of Scheduling, 2010, 13, 315-345.	1.9	30
34	Allocation and scheduling of Conditional Task Graphs. Artificial Intelligence, 2010, 174, 500-529.	5.8	10
35	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution. Lecture Notes in Computer Science, 2010, , 383-397.	1.3	1
36	Robust non-preemptive hard real-time scheduling for clustered multicore platforms. , 2009, , .		6

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37	Throughput Constraint for Synchronous Data Flow Graphs. Lecture Notes in Computer Science, 2009, , 26-40.	1.3	22
38	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations. Lecture Notes in Computer Science, 2009, , 569-583.	1.3	11
39	Multi-stage Benders Decomposition for Optimizing Multicore Architectures. , 2008, , 36-50.		12
40	A Constraint Programming Approach for Allocation and Scheduling on the CELL Broadband Engine. Lecture Notes in Computer Science, 2008, , 21-35.	1.3	7
41	Communication-aware stochastic allocation and scheduling framework for conditional task graphs in multi-processor systems-on-chip. , 2007, , .		7
42	Scheduling Conditional Task Graphs. , 2007, , 468-482.		2
43	Stochastic Allocation and Scheduling for Conditional Task Graphs in MPSoCs. Lecture Notes in Computer Science, 2006, , 299-313.	1.3	11