Carlos MencÃ-a

List of Publications by Year
in descending order

33 papers	400 citations	759233 12 h-index	794594 19 g-index
34 all docs	34 docs citations	34 times ranked	220 citing authors

#	Article	IF	Citations
1	Memetic algorithms for the job shop scheduling problem with operators. Applied Soft Computing Journal, 2015, 34, 94-105.	7.2	42
2	Evolving priority rules for on-line scheduling of jobs on a single machine with variable capacity over time. Applied Soft Computing Journal, 2019, 85, 105782.	7.2	29
3	Genetic algorithms for the scheduling problem with arbitrary precedence relations and skilled operators. Integrated Computer-Aided Engineering, 2016, 23, 269-285.	4.6	28
4	Genetic programming with local search to evolve priority rules for scheduling jobs on a machine with time-varying capacity. Swarm and Evolutionary Computation, 2021, 66, 100944.	8.1	27
5	Learning ensembles of priority rules for online scheduling by hybrid evolutionary algorithms. Integrated Computer-Aided Engineering, 2020, 28, 65-80.	4.6	26
6	BEACON: An Efficient SAT-Based Tool for Debugging $\mathcal{EL}^{+}$ Ontologies. Lecture Notes in Computer Science, 2016, , 521-530.	1.3	21
7	Minimal sets on propositional formulae. Problems and reductions. Artificial Intelligence, 2017, 252, 22-50.	5.8	21
8	Depth-first heuristic search for the job shop scheduling problem. Annals of Operations Research, 2013, 206, 265-296.	4.1	19
9	Efficient MUS Enumeration of Horn Formulae with Applications to Axiom Pinpointing. Lecture Notes in Computer Science, 2015, , 324-342.	1.3	15
10	New schedule generation schemes for the job-shop problem with operators. Journal of Intelligent Manufacturing, 2015, 26, 511-525.	7.3	15
11	An efficient hybrid search algorithm for job shop scheduling with operators. International Journal of Production Research, 2013, 51, 5221-5237.	7.5	14
12	MCS Extraction with Sublinear Oracle Queries. Lecture Notes in Computer Science, 2016, , 342-360.	1.3	13
13	Evolutionary one-machine scheduling in the context of electric vehicles charging. Integrated Computer-Aided Engineering, 2018, 26, 49-63.	4.6	13
14	A genetic algorithm for job-shop scheduling with operators enhanced by weak Lamarckian evolution and search space narrowing. Natural Computing, 2014, 13, 179-192.	3.0	11
15	On Computing the Union of MUSes. Lecture Notes in Computer Science, 2019, , 211-221.	1.3	11
16	Combining hyper-heuristics to evolve ensembles of priority rules for on-line scheduling. Natural Computing, 2022, 21, 553-563.	3.0	10
17	Lean Kernels in Description Logics. Lecture Notes in Computer Science, 2017, , 518-533.	1.3	10
18	Intensified iterative deepening A* with application to job shop scheduling. Journal of Intelligent Manufacturing, 2014, 25, 1245-1255.	7.3	9

#	Article	IF	Citations
19	Improving MCS Enumeration via Caching. Lecture Notes in Computer Science, 2017, , 184-194.	1.3	9
20	Efficient Axiom Pinpointing with EL2MCS. Lecture Notes in Computer Science, 2015, , 225-233.	1.3	9
21	Efficient Relaxations of Over-constrained CSPs. , 2014, , .		7
22	Genetic Algorithm for Job-Shop Scheduling with Operators. Lecture Notes in Computer Science, 2011, , 305-314.	1.3	7
23	Reasoning About Inconsistent Formulas. , 2020, , .		6
24	Efficient Reasoning for Inconsistent Horn Formulae. Lecture Notes in Computer Science, 2016, , 336-352.	1.3	5
25	A memetic algorithm for restoring feasibility in scheduling with limited makespan. Natural Computing, 2020, , 1.	3.0	3
26	The optimal filtering set problem with application to surrogate evaluation in genetic programming. , 2021, , .		3
27	Solving the job shop scheduling problem with operators by depth-first heuristic search enhanced with global pruning rules. AI Communications, 2015, 28, 365-381.	1.2	2
28	Efficient repairs of infeasible job shop problems by evolutionary algorithms. Engineering Applications of Artificial Intelligence, 2021, 104, 104368.	8.1	2
29	Genetic Algorithm for Scheduling Charging Times of Electric Vehicles Subject to Time Dependent Power Availability. Lecture Notes in Computer Science, 2017, , 160-169.	1.3	2
30	Robust Solutions to Job-Shop Scheduling Problems with Operators. , 2012, , .		1
31	Repairing Infeasibility in Scheduling via Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 254-263.	1.3	1
32	One-Machine Scheduling with Time-Dependent Capacity via Efficient Memetic Algorithms. Mathematics, 2021, 9, 3030.	2.2	1
33	SAT-Based Horn Least Upper Bounds. Lecture Notes in Computer Science, 2015, , 423-433.	1.3	0