Ramiro Varela

List of Publications by Year in descending order

60 papers	**788** citations	471509 **17** h-index	552781 **26** g-index
66 all docs	**66** docs citations	**66** times ranked	**537** citing authors

#	ARTICLE	IF	CITATIONS
1	Combining hyper-heuristics to evolve ensembles of priority rules for on-line scheduling. Natural Computing, 2022, 21, 553-563.	3.0	10
2	Quantum circuit compilation by genetic algorithm for quantum approximate optimization algorithm applied to MaxCut problem. Swarm and Evolutionary Computation, 2022, 69, 101030.	8.1	11
3	Building Heuristics andÂEnsembles forÂtheÂTravel Salesman Problem. Lecture Notes in Computer Science, 2022, , 130-139.	1.3	1
4	The optimal filtering set problem with application to surrogate evaluation in genetic programming. , 2021, , .		3
5	Efficient repairs of infeasible job shop problems by evolutionary algorithms. Engineering Applications of Artificial Intelligence, 2021, 104, 104368.	8.1	2
6	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
7	A memetic algorithm for restoring feasibility in scheduling with limited makespan. Natural Computing, 2020, , 1.	3.0	3
8	Learning ensembles of priority rules for online scheduling by hybrid evolutionary algorithms. Integrated Computer-Aided Engineering, 2020, 28, 65-80.	4.6	26
9	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
10	Repairing Infeasibility in Scheduling via Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 254-263.	1.3	1
11	Genetic Algorithm to Evolve Ensembles of Rules for On-Line Scheduling on Single Machine with Variable Capacity. Lecture Notes in Computer Science, 2019, , 223-233.	1.3	6
12	Evolutionary one-machine scheduling in the context of electric vehicles charging. Integrated Computer-Aided Engineering, 2018, 26, 49-63.	4.6	13
13	Electric Vehicle Charging Scheduling by an Enhanced Artificial Bee Colony Algorithm. Energies, 2018, 11, 2752.	3.1	32
14	Bio-inspired population-based meta-heuristics for problem solving. Natural Computing, 2017, 16, 187-188.	3.0	2
15	Electric Vehicle Charging Scheduling Using an Artificial Bee Colony Algorithm. Lecture Notes in Computer Science, 2017, , 115-124.	1.3	3
16	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
17	Genetic algorithms for the scheduling problem with arbitrary precedence relations and skilled operators. Integrated Computer-Aided Engineering, 2016, 23, 269-285.	4.6	28
18	Self-adaptive SVDD integrated with AP clustering for one-class classification. Pattern Recognition Letters, 2016, 84, 232-238.	4.2	15

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19	Scatter search with path relinking for the job shop with time lags and setup times. Computers and Operations Research, 2015, 60, 37-54.	4.0	21
20	Scatter search with path relinking for the flexible job shop scheduling problem. European Journal of Operational Research, 2015, 245, 35-45.	5.7	63
21	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
22	An advanced scatter search algorithm for solving job shops with sequence dependent and non-anticipatory setups. AI Communications, 2015, 28, 179-193.	1.2	7
23	Electric vehicle charging under power and balance constraints as dynamic scheduling. Computers and Industrial Engineering, 2015, 85, 306-315.	6.3	36
24	Memetic algorithms for the job shop scheduling problem with operators. Applied Soft Computing Journal, 2015, 34, 94-105.	7.2	42
25	New schedule generation schemes for the job-shop problem with operators. Journal of Intelligent Manufacturing, 2015, 26, 511-525.	7.3	15
26	Solving Fuzzy Job-Shop Scheduling Problems with a Multiobjective Optimizer. Advances in Intelligent Systems and Computing, 2014, , 197-209.	0.6	2
27	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
28	Intensified iterative deepening A* with application to job shop scheduling. Journal of Intelligent Manufacturing, 2014, 25, 1245-1255.	7.3	9
29	Non conventional computing and constraint optimization. Natural Computing, 2014, 13, 129-130.	3.0	0
30	Lateness minimization with Tabu search for job shop scheduling problem with sequence dependent setup times. Journal of Intelligent Manufacturing, 2013, 24, 741-754.	7.3	33
31	Depth-first heuristic search for the job shop scheduling problem. Annals of Operations Research, 2013, 206, 265-296.	4.1	19
32	An efficient hybrid search algorithm for job shop scheduling with operators. International Journal of Production Research, 2013, 51, 5221-5237.	7.5	14
33	An efficient hybrid evolutionary algorithm for scheduling with setup times and weighted tardiness minimization. Soft Computing, 2012, 16, 2097-2113.	3.6	21
34	A competent memetic algorithm for complex scheduling. Natural Computing, 2012, 11, 151-160.	3.0	12
35	Solving problems with natural computing. Natural Computing, 2012, 11, 129-130.	3.0	1
36	Genetic Algorithm for Job-Shop Scheduling with Operators. Lecture Notes in Computer Science, 2011, , 305-314.	1.3	7

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37	Weighted Tardiness Minimization in Job Shops with Setup Times by Hybrid Genetic Algorithm. Lecture Notes in Computer Science, 2011, , 363-372.	1.3	1
38	Pruning by dominance in best-first search for the job shop Scheduling problem with total flow time. Journal of Intelligent Manufacturing, 2010, 21, 111-119.	7.3	19
39	Local search and genetic algorithm for the job shop scheduling problem with sequence dependent setup times. Journal of Heuristics, 2010, 16, 139-165.	1.4	50
40	A Tabu Search Algorithm to Minimize Lateness in Scheduling Problems with Setup Times. Lecture Notes in Computer Science, 2010, , 212-221.	1.3	1
41	An effective solution for a real cutting stock problem inÂmanufacturing plastic rolls. Annals of Operations Research, 2009, 166, 125-146.	4.1	9
42	Genetic Algorithm Combined with Tabu Search for the Job Shop Scheduling Problem with Setup Times. Lecture Notes in Computer Science, 2009, , 265-274.	1.3	11
43	Semantics of Schedules for the Fuzzy Job-Shop Problem. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 655-666.	2.9	38
44	Improving Cutting-Stock Plans with Multi-objective Genetic Algorithm. Communications in Computer and Information Science, 2008, , 332-344.	0.5	0
45	Improving Cutting-Stock Plans with Multi-objective Genetic Algorithms. Lecture Notes in Computer Science, 2007, , 528-537.	1.3	1
46	Scheduling with Memetic Algorithms over the Spaces of Semi-active and Active Schedules. Lecture Notes in Computer Science, 2006, , 370-379.	1.3	3
47	Genetic Algorithms Hybridized with Greedy Algorithms and Local Search over the Spaces of Active and Semi-active Schedules. Lecture Notes in Computer Science, 2006, , 231-240.	1.3	7
48	Combining Metaheuristics for the Job Shop Scheduling Problem with Sequence Dependent Setup Times. Communications in Computer and Information Science, 2006, , 348-360.	0.5	1
49	Comparing Schedule Generation Schemes in Memetic Algorithms for the Job Shop Scheduling Problem with Sequence Dependent Setup Times. Lecture Notes in Computer Science, 2006, , 472-482.	1.3	0
50	New Codification Schemas for Scheduling with Genetic Algorithms. Lecture Notes in Computer Science, 2005, , 11-20.	1.3	19
51	A New Chromosome Codification for Scheduling Problems. , 2005, , 74-82.		0
52	Heuristic Rules and Genetic Algorithms for Open Shop Scheduling Problem. Lecture Notes in Computer Science, 2004, , 394-403.	1.3	3
53	A knowledge-based evolutionary strategy for scheduling problems with bottlenecks. European Journal of Operational Research, 2003, 145, 57-71.	5.7	72
54	Hybridizing a Genetic Algorithm with Local Search and Heuristic Seeding. Lecture Notes in Computer Science, 2003, , 329-336.	1.3	0

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55	Scheduling as Heuristic Search with State Space Reduction. Lecture Notes in Computer Science, 2002, , 815-824.	1.3	3
56	Ordered structures for parallel rule-based computations. International Journal of Computer Mathematics, 2001, 78, 499-520.	1.8	1
57	Initialization in Genetic Algorithms for Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2001, , 693-700.	1.3	1
58	Solving Job-Shop Scheduling Problems by Means of Genetic Algorithms. , 2000, , .		1
59	Heuristic generation of the initial population in solving job shop problems by evolutionary strategies. Lecture Notes in Computer Science, 1999, , 690-699.	1.3	1
60	A genetic approach to computing Independent And Parallelism in logic programs. Lecture Notes in Computer Science, 1997, , 566-575.	1.3	2