Ramiro Varela

List of Publications by Year
in descending order

60	788	471509 17	552781 26
papers	citations	h-index	g-index

66	66	66	537
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A knowledge-based evolutionary strategy for scheduling problems with bottlenecks. European Journal of Operational Research, 2003, 145, 57-71.	5.7	72
2	Scatter search with path relinking for the flexible job shop scheduling problem. European Journal of Operational Research, 2015, 245, 35-45.	5.7	63
3	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
4	Memetic algorithms for the job shop scheduling problem with operators. Applied Soft Computing Journal, 2015, 34, 94-105.	7.2	42
5	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
6	Electric vehicle charging under power and balance constraints as dynamic scheduling. Computers and Industrial Engineering, 2015, 85, 306-315.	6.3	36
7	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
8	Electric Vehicle Charging Scheduling by an Enhanced Artificial Bee Colony Algorithm. Energies, 2018, 11, 2752.	3.1	32
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	Genetic algorithms for the scheduling problem with arbitrary precedence relations and skilled operators. Integrated Computer-Aided Engineering, 2016, 23, 269-285.	4.6	28
11	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
12	Learning ensembles of priority rules for online scheduling by hybrid evolutionary algorithms. Integrated Computer-Aided Engineering, 2020, 28, 65-80.	4.6	26
13	An efficient hybrid evolutionary algorithm for scheduling with setup times and weighted tardiness minimization. Soft Computing, 2012, 16, 2097-2113.	3.6	21
14	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
15	New Codification Schemas for Scheduling with Genetic Algorithms. Lecture Notes in Computer Science, 2005, , 11-20.	1.3	19
16	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
17	Depth-first heuristic search for the job shop scheduling problem. Annals of Operations Research, 2013, 206, 265-296.	4.1	19
18	New schedule generation schemes for the job-shop problem with operators. Journal of Intelligent Manufacturing, 2015, 26, 511-525.	7.3	15

#	Article	IF	Citations
19	Self-adaptive SVDD integrated with AP clustering for one-class classification. Pattern Recognition Letters, 2016, 84, 232-238.	4.2	15
20	An efficient hybrid search algorithm for job shop scheduling with operators. International Journal of Production Research, 2013, 51, 5221-5237.	7.5	14
21	Evolutionary one-machine scheduling in the context of electric vehicles charging. Integrated Computer-Aided Engineering, 2018, 26, 49-63.	4.6	13
22	A competent memetic algorithm for complex scheduling. Natural Computing, 2012, 11, 151-160.	3.0	12
23	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
24	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
25	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
26	Combining hyper-heuristics to evolve ensembles of priority rules for on-line scheduling. Natural Computing, 2022, 21, 553-563.	3.0	10
27	An effective solution for a real cutting stock problem inÂmanufacturing plastic rolls. Annals of Operations Research, 2009, 166, 125-146.	4.1	9
28	Intensified iterative deepening A* with application to job shop scheduling. Journal of Intelligent Manufacturing, 2014, 25, 1245-1255.	7.3	9
29	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
30	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
31	Genetic Algorithm for Job-Shop Scheduling with Operators. Lecture Notes in Computer Science, 2011, , 305-314.	1.3	7
32	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
33	Heuristic Rules and Genetic Algorithms for Open Shop Scheduling Problem. Lecture Notes in Computer Science, 2004, , 394-403.	1.3	3
34	Scheduling with Memetic Algorithms over the Spaces of Semi-active and Active Schedules. Lecture Notes in Computer Science, 2006, , 370-379.	1.3	3
35	A memetic algorithm for restoring feasibility in scheduling with limited makespan. Natural Computing, 2020, , 1.	3.0	3
36	The optimal filtering set problem with application to surrogate evaluation in genetic programming. , 2021, , .		3

#	Article	IF	Citations
37	Scheduling as Heuristic Search with State Space Reduction. Lecture Notes in Computer Science, 2002, , 815-824.	1.3	3
38	Electric Vehicle Charging Scheduling Using an Artificial Bee Colony Algorithm. Lecture Notes in Computer Science, 2017, , 115-124.	1.3	3
39	A genetic approach to computing Independent And Parallelism in logic programs. Lecture Notes in Computer Science, 1997, , 566-575.	1.3	2
40	Solving Fuzzy Job-Shop Scheduling Problems with a Multiobjective Optimizer. Advances in Intelligent Systems and Computing, 2014, , 197-209.	0.6	2
41	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
42	Bio-inspired population-based meta-heuristics for problem solving. Natural Computing, 2017, 16, 187-188.	3.0	2
43	Efficient repairs of infeasible job shop problems by evolutionary algorithms. Engineering Applications of Artificial Intelligence, 2021, 104, 104368.	8.1	2
44	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
45	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
46	Ordered structures for parallel rule-based computations. International Journal of Computer Mathematics, 2001, 78, 499-520.	1.8	1
47	Solving problems with natural computing. Natural Computing, 2012, 11, 129-130.	3.0	1
48	Repairing Infeasibility in Scheduling via Genetic Algorithms. Lecture Notes in Computer Science, 2019, , 254-263.	1.3	1
49	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
50	Weighted Tardiness Minimization in Job Shops with Setup Times by Hybrid Genetic Algorithm. Lecture Notes in Computer Science, 2011, , 363-372.	1.3	1
51	Solving Job-Shop Scheduling Problems by Means of Genetic Algorithms. , 2000, , .		1
52	Initialization in Genetic Algorithms for Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2001, , 693-700.	1.3	1
53	A Tabu Search Algorithm to Minimize Lateness in Scheduling Problems with Setup Times. Lecture Notes in Computer Science, 2010, , 212-221.	1.3	1
54	Improving Cutting-Stock Plans with Multi-objective Genetic Algorithms. Lecture Notes in Computer Science, 2007, , 528-537.	1.3	1

#	Article	IF	Citations
55	Building Heuristics andÂEnsembles forÂtheÂTravel Salesman Problem. Lecture Notes in Computer Science, 2022, , 130-139.	1.3	1
56	Non conventional computing and constraint optimization. Natural Computing, 2014, 13, 129-130.	3.0	0
57	Hybridizing a Genetic Algorithm with Local Search and Heuristic Seeding. Lecture Notes in Computer Science, 2003, , 329-336.	1.3	0
58	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
59	Improving Cutting-Stock Plans with Multi-objective Genetic Algorithm. Communications in Computer and Information Science, 2008, , 332-344.	0.5	0
60	A New Chromosome Codification for Scheduling Problems. , 2005, , 74-82.		0