Miguel A Salido

List of Publications by Year
in descending order

85 papers	2,240 citations	304743 22 h-index	233421 45 g-index
93 all docs	93 docs citations	93 times ranked	1713 citing authors

#	Article	IF	Citations
1	Energy-efficient scheduling for a flexible flow shop using an improved genetic-simulated annealing algorithm. Robotics and Computer-Integrated Manufacturing, 2013, 29, 418-429.	9.9	383
2	An assessment of railway capacity. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 774-806.	7.4	261
3	Energy-efficient dynamic scheduling for a flexible flow shop using an improved particle swarm optimization. Computers in Industry, 2016, 81, 82-95.	9.9	187
4	Multi-objective optimization for energy-efficient flexible job shop scheduling problem with transportation constraints. Robotics and Computer-Integrated Manufacturing, 2019, 59, 143-157.	9.9	177
5	A genetic algorithm for energy-efficiency in job-shop scheduling. International Journal of Advanced Manufacturing Technology, 2016, 85, 1303-1314.	3.0	113
6	Search and rescue optimization algorithm: A new optimization method for solving constrained engineering optimization problems. Expert Systems With Applications, 2020, 161, 113698.	7.6	113
7	Constraint satisfaction techniques in planning and scheduling. Journal of Intelligent Manufacturing, 2010, 21, 5-15.	7.3	74
8	A New Optimization Algorithm Based on Search and Rescue Operations. Mathematical Problems in Engineering, 2019, 2019, 1-23.	1.1	69
9	Rescheduling in job-shop problems for sustainable manufacturing systems. Journal of Cleaner Production, 2017, 162, S121-S132.	9.3	61
10	A Genetic Algorithm for Railway Scheduling Problems. Studies in Computational Intelligence, 2008, , 255-276.	0.9	42
11	A holonic multi-agent methodology to design sustainable intelligent manufacturing control systems. Journal of Cleaner Production, 2017, 167, 1370-1386.	9.3	40
12	A genetic algorithm for robust berth allocation and quay crane assignment. Progress in Artificial Intelligence, 2014, 2, 177-192.	2.4	37
13	New trends in constraint satisfaction, planning, and scheduling: a survey. Knowledge Engineering Review, 2010, 25, 249-279.	2.6	36
14	A decision support system for managing combinatorial problems in container terminals. Knowledge-Based Systems, 2012, 29, 63-74.	7.1	36
15	Robustness for a single railway line: Analytical and simulation methods. Expert Systems With Applications, 2012, 39, 13305-13327.	7.6	35
16	A GRASP-based metaheuristic for the Berth Allocation Problem and the Quay Crane Assignment Problem by managing vessel cargo holds. Applied Intelligence, 2014, 40, 273-290.	5.3	35
17	Introduction to planning, scheduling and constraint satisfaction. Journal of Intelligent Manufacturing, 2010, 21, 1-4.	7.3	28
18	Bi-objective optimization for low-carbon product family design. Robotics and Computer-Integrated Manufacturing, 2016, 41, 53-65.	9.9	28

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19	Domain-dependent distributed models for railway scheduling. Knowledge-Based Systems, 2007, 20, 186-194.	7.1	27
20	Distributed search in railway scheduling problems. Engineering Applications of Artificial Intelligence, 2008, 21, 744-755.	8.1	26
21	Intelligent planning for allocating containers in maritime terminals. Expert Systems With Applications, 2012, 39, 978-989.	7.6	25
22	An Optimization Approach for the Coordinated Low-Carbon Design of Product Family and Remanufactured Products. Sustainability, 2019, 11, 460.	3.2	24
23	Robustness in railway transportation scheduling. , 2008, , .		23
24	Distributed CSPs by graph partitioning. Applied Mathematics and Computation, 2006, 183, 491-498.	2.2	22
25	Integrated intelligent techniques for remarshaling and berthing in maritime terminals. Advanced Engineering Informatics, 2011, 25, 435-451.	8.0	22
26	Constraint satisfaction for planning and scheduling problems. Constraints, 2011, 16, 223-227.	0.7	20
27	A metaheuristic technique for energy-efficiency in job-shop scheduling. Knowledge Engineering Review, 2016, 31, 475-485.	2.6	19
28	Energy efficiency, robustness, and makespan optimality in job-shop scheduling problems. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2016, 30, 300-312.	1.1	19
29	Robust Scheduling for Berth Allocation and Quay Crane Assignment Problem. Mathematical Problems in Engineering, 2014, 2014, 1-17.	1.1	17
30	An Enhanced Estimation of Distribution Algorithm for Energy-Efficient Job-Shop Scheduling Problems with Transportation Constraints. Sustainability, 2019, 11, 3085.	3.2	16
31	Introduction: Special issue on constraint satisfaction techniques for planning and scheduling problems. Engineering Applications of Artificial Intelligence, 2008, 21, 679-682.	8.1	14
32	A holonic architecture for the global road transportation system. Journal of Intelligent Manufacturing, 2010, 21, 133-144.	7.3	14
33	Mathematical Solutions for Solving Periodic Railway Transportation. Mathematical Problems in Engineering, 2009, 2009, 1-19.	1.1	13
34	An Optimization Method for Coordinating Supplier Selection and Low-Carbon Design of Product Family. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1715-1726.	2.2	11
35	Feasible distributed CSP models for scheduling problems. Engineering Applications of Artificial Intelligence, 2008, 21, 723-732.	8.1	10
36	A Planning Tool for Minimizing Reshuffles in Container Terminals. , 2009, , .		10

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37	A non-binary constraint ordering heuristic for constraint satisfaction problems. Applied Mathematics and Computation, 2008, 198, 280-295.	2.2	9
38	Robustness, stability, recoverability, and reliability in constraint satisfaction problems. Knowledge and Information Systems, 2015, 44, 719-734.	3.2	9
39	A hormone regulation–based approach for distributed and on-line scheduling of machines and automated guided vehicles. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 99-113.	2.4	9
40	A new model and metaheuristic approach for the energy-based resource-constrained scheduling problem. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 293-305.	2.4	9
41	A polynomial algorithm for continuous non-binary disjunctive CSPs: extended DLRs. Knowledge-Based Systems, 2003, 16, 277-285.	7.1	7
42	A holonic simulation environment for smart transportation systems. International Journal of Production Research, 2011, 49, 1425-1439.	7.5	5
43	A dual scheduling model for optimizing robustness and energy consumption in manufacturing systems. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 5-16.	2.4	5
44	Dynamic Rescheduling in Energy-Aware Unrelated Parallel Machine Problems. IFIP Advances in Information and Communication Technology, 2018, , 232-240.	0.7	5
45	Intelligent Train Scheduling on a High-Loaded Railway Network. , 2007, , 219-232.		5
46	FSM merging and reduction for IP cores watermarking using Genetic Algorithms. , 2014, , .		4
47	An Incremental and Non-binary CSP Solver: The Hyperpolyhedron Search Algorithm. Lecture Notes in Computer Science, 2001, , 779-780.	1.3	4
48	A Decision Support System for railway timetabling (MOM): the Spanish case. WIT Transactions on the Built Environment, 2006, , .	0.0	4
49	Experimental analysis of optimization techniques on the road passenger transportation problem. Engineering Applications of Artificial Intelligence, 2009, 22, 374-388.	8.1	3
50	An artificial intelligence planning tool for the container stacking problem. , 2009, , .		3
51	A fine-grained arc-consistency algorithm for non-normalized constraint satisfaction problems. International Journal of Applied Mathematics and Computer Science, 2011, 21, 733-744.	1.5	3
52	Finding robust solutions for constraint satisfaction problems with discrete and ordered domains by coverings. Artificial Intelligence Review, 2015, 44, 131-156.	15.7	3
53	Mode-Based versus Activity-Based Search for a Nonredundant Resolution of the Multimode Resource-Constrained Project Scheduling Problem. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	3
54	How to Classify Hard and Soft Constraints in Non-binary Constraint Satisfaction Problems. , 2004, , 213-226.		3

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55	Distributed CSPs: Why It Is Assumed a Variable per Agent?. , 2007, , 407-408.		3
56	Constraint Satisfaction by Means of Dynamic Polyhedra. , 2002, , 405-412.		3
57	Distributed constraint satisfaction problems to model railway scheduling problems. WIT Transactions on the Built Environment, 2006, , .	0.0	3
58	Nogood-FC for solving partitionable constraint satisfaction problems. Journal of Intelligent Manufacturing, 2010, 21, 101-110.	7.3	2
59	An Algorithm for Finding Robust and Stable Solutions for Constraint Satisfaction Problems with Discrete and Ordered Domains. , 2012, , .		2
60	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
61	A Multi-agent Approach to Implement aÂReverse Production Virtual Market in Green Supply Chains. IFIP Advances in Information and Communication Technology, 2017, , 399-407.	0.7	2
62	DFS-Tree Based Heuristic Search. , 2007, , 5-19.		2
63	Meta-heuristic and Constraint-Based Approaches for Single-Line Railway Timetabling. Lecture Notes in Computer Science, 2009, , 145-181.	1.3	2
64	A Genetic Algorithm for Berth Allocation and Quay Crane Assignment. Lecture Notes in Computer Science, 2012, , 601-610.	1.3	2
65	Modeling Robustness in CSPs as Weighted CSPs. Lecture Notes in Computer Science, 2013, , 44-60.	1.3	2
66	A Non-binary Constraint Satisfaction Solver: the One-Face Hyperpolyhedron Heuristic. , 2002, , 313-324.		2
67	Robust Solutions to Job-Shop Scheduling Problems with Operators. , 2012, , .		1
68	Uncertainty in dynamic constraint satisfaction problems. AI Communications, 2015, 29, 239-241.	1.2	1
69	IP-cores watermarking scheme at behavioral level using genetic algorithms. Engineering Applications of Artificial Intelligence, 2021, 104, 104386.	8.1	1
70	Exploiting the Constrainedness in Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2004, , 126-136.	1.3	1
71	Domain-Dependent Planning Heuristics for Locating Containers in Maritime Terminals. Lecture Notes in Computer Science, 2010, , 742-751.	1.3	1
72	Preprocessing Algorithms for non-binary Disjunctive Constraint Satisfaction. , 2002, , 123-133.		1

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73	Constrainedness and Redundancy by Constraint Ordering. Lecture Notes in Computer Science, 2004, , 124-133.	1.3	1
74	Robust Solutions in Changing Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2010, , 752-761.	1.3	1
75	Robustness and Stability in Constraint Programming under Dynamism and Uncertainty. Lecture Notes in Computer Science, 2014, , 923-927.	1.3	1
76	Cooperation Between Smart Manufacturing Scheduling Systems and Energy Providers: A Multi-agent Perspective. Studies in Computational Intelligence, 2019, , 197-210.	0.9	1
77	2-C3OP: An Improved Version of 2-Consistency. , 2009, , .		0
78	Preface to special issue on planning and scheduling. Knowledge Engineering Review, 2010, 25, 247-248.	2.6	0
79	Extending ANEMONA with NDT Phases. Procedia CIRP, 2013, 11, 120-123.	1.9	0
80	2-C6: An fine-grained algorithm to achieve 2-consistency. , 2013, , .		0
81	Introduction to the special issue on constraint satisfaction for planning and scheduling. Knowledge Engineering Review, 2016, 31, 415-416.	2.6	0
82	A Metaheuristic Search Technique for Solving the Warehouse Stock Management Problem and the Routing Problem in a Real Company. Lecture Notes in Computer Science, 2020, , 187-201.	1.3	0
83	Disjunction of Non-binary and Numeric Constraint Satisfaction Problems. Lecture Notes in Computer Science, 2002, , 159-172.	1.3	0
84	Distributed Non-binary Constraints. Lecture Notes in Computer Science, 2004, , 271-280.	1.3	0
85	A Non-Binary Constraint Ordering Approach to Scheduling Problems. , 2004, , 81-94.		0