Adriana Giret

List of Publications by Year
in descending order

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90 papers	2,214 citations	394421 19 h-index	233421 45 g-index
102 all docs	102 docs citations	102 times ranked	1679 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	Sustainability in manufacturing operations scheduling: A state of the art review. Journal of Manufacturing Systems, 2015, 37, 126-140.	13.9	199
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	Holons and agents. Journal of Intelligent Manufacturing, 2004, 15, 645-659.	7.3	145
6	A genetic algorithm for energy-efficiency in job-shop scheduling. International Journal of Advanced Manufacturing Technology, 2016, 85, 1303-1314.	3.0	113
7	An engineering framework for Service-Oriented Intelligent Manufacturing Systems. Computers in Industry, 2016, 81, 116-127.	9.9	91
8	Engineering Holonic Manufacturing Systems. Computers in Industry, 2009, 60, 428-440.	9.9	72
9	A New Optimization Algorithm Based on Search and Rescue Operations. Mathematical Problems in Engineering, 2019, 2019, 1-23.	1.1	69
10	Rescheduling in job-shop problems for sustainable manufacturing systems. Journal of Cleaner Production, 2017, 162, S121-S132.	9.3	61
11	An abstract architecture for virtual organizations: The THOMAS approach. Knowledge and Information Systems, 2011, 29, 379-403.	3.2	56
12	A holonic multi-agent methodology to design sustainable intelligent manufacturing control systems. Journal of Cleaner Production, 2017, 167, 1370-1386.	9.3	40
13	A Crowdsourcing Approach for Sustainable Last Mile Delivery. Sustainability, 2018, 10, 4563.	3.2	38
14	Go-green manufacturing holons: A step towards sustainable manufacturing operations control. Manufacturing Letters, 2015, 5, 29-33.	2.2	32
15	An intelligent simulation environment for manufacturing systems. Computers and Industrial Engineering, 2014, 76, 148-168.	6.3	30
16	Bi-objective optimization for low-carbon product family design. Robotics and Computer-Integrated Manufacturing, 2016, 41, 53-65.	9.9	28
17	An Optimization Approach for the Coordinated Low-Carbon Design of Product Family and Remanufactured Products. Sustainability, 2019, 11, 460.	3.2	24
18	From system requirements to holonic manufacturing system analysis. International Journal of Production Research, 2006, 44, 3917-3928.	7.5	21

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19	An Open Architecture for Service-Oriented Virtual Organizations. Lecture Notes in Computer Science, 2010, , 118-132.	1.3	21
20	Agent-supported simulation environment for intelligent manufacturing and warehouse management systems. International Journal of Production Research, 2011, 49, 1469-1482.	7.5	20
21	A metaheuristic technique for energy-efficiency in job-shop scheduling. Knowledge Engineering Review, 2016, 31, 475-485.	2.6	19
22	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
23	Towards an abstract recursive agent. Integrated Computer-Aided Engineering, 2004, 11, 165-177.	4.6	17
24	Assessment of mathematical programming and agent-based modelling for off-line scheduling: Application to energy aware manufacturing. CIRP Annals - Manufacturing Technology, 2016, 65, 405-408.	3.6	17
25	An Enhanced Estimation of Distribution Algorithm for Energy-Efficient Job-Shop Scheduling Problems with Transportation Constraints. Sustainability, 2019, 11, 3085.	3.2	16
26	A holonic architecture for the global road transportation system. Journal of Intelligent Manufacturing, 2010, 21, 133-144.	7.3	14
27	Dynamic shop floor re-scheduling approach inspired by a neuroendocrine regulation mechanism. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 121-134.	2.4	14
28	A multi agent methodology for holonic manufacturing systems. , 2005, , .		13
29	Norm Enforceability in Electronic Institutions?. Lecture Notes in Computer Science, 2011, , 250-267.	1.3	13
30	Evaluating software engineering techniques for developing complex systems with multiagent approaches. Information and Software Technology, 2011, 53, 494-506.	4.4	12
31	A Model-Driven CASE tool for developing and verifying regulated open MAS. Science of Computer Programming, 2013, 78, 695-704.	1.9	11
32	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
33	MAS Methodology for HMS. Lecture Notes in Computer Science, 2005, , 39-49.	1.3	11
34	Software Engineering for Service-Oriented MAS. Lecture Notes in Computer Science, 2008, , 86-100.	1.3	11
35	Feasible distributed CSP models for scheduling problems. Engineering Applications of Artificial Intelligence, 2008, 21, 723-732.	8.1	10
36	Software Engineering Methods for Intelligent Manufacturing Systems: A Comparative Survey. Lecture Notes in Computer Science, 2015, , 11-21.	1.3	9

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37	A hormone regulationâ€“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
38	A Multi Agent Architecture for Tourism Recommendation. Advances in Intelligent and Soft Computing, 2010, , 547-554.	0.2	9
39	Towards an Agent-based Simulation Tool for Manufacturing Systems. , 2006, , .		8
40	A Modeling Tool for Service-Oriented Open Multiagent Systems. Lecture Notes in Computer Science, 2009, , 345-360.	1.3	8
41	Towards a Persuasive Recommender for Bike Sharing Systems: A Defeasible Argumentation Approach. Energies, 2019, 12, 662.	3.1	8
42	Regulated Open Multi-Agent Systems Based on Contracts. , 2011, , 243-255.		8
43	A FAST Method to Achieve Flexible Production Programming Systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 242-252.	2.9	7
44	Application and evaluation of Lego NXT tool for Mobile Robot Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9805-9811.	0.4	7
45	A MAS-based infrastructure for negotiation and its application to a water-right market. Information Systems Frontiers, 2014, 16, 183-199.	6.4	6
46	Performance Evaluation of Bidding-Based Multi-Agent Scheduling Algorithms for Manufacturing Systems. Machines, 2014, 2, 233-254.	2.2	6
47	A holonic simulation environment for smart transportation systems. International Journal of Production Research, 2011, 49, 1425-1439.	7.5	5
48	Designing normative open virtual enterprises. Enterprise Information Systems, 2016, 10, 303-324.	4.7	5
49	Dynamic Rescheduling in Energy-Aware Unrelated Parallel Machine Problems. IFIP Advances in Information and Communication Technology, 2018, , 232-240.	0.7	5
50	Towards a Recursive Agent Oriented Methodology for Large-Scale MAS. Lecture Notes in Computer Science, 2004, , 25-35.	1.3	5
51	On the Road to an Abstract Architecture for Open Virtual Organizations. Lecture Notes in Computer Science, 2009, , 642-650.	1.3	5
52	Requirements for an Intelligent Maintenance System for Industry 4.0. Studies in Computational Intelligence, 2020, , 340-351.	0.9	5
53	Implementation Challenges for Supporting Coworking Virtual Enterprises. , 2013, , .		4
54	Production control strategy inspired by neuroendocrine regulation. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 67-77.	2.4	4

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55	Emerging Key Requirements for Future Energy-Aware Production Scheduling Systems: A Multi-agent and Holonic Perspective. Studies in Computational Intelligence, 2017, , 127-141.	0.9	4
56	ROMAS Methodology. , 2014, , 331-369.		4
57	mWater, a Case Study for Modeling Virtual Markets. , 2013, , 565-582.		4
58	The Role of MAS as a Decision Support Tool in a Water-Rights Market. Lecture Notes in Computer Science, 2012, , 35-49.	1.3	4
59	On Grievance Protocols for Conflict Resolution in Open Multi-Agent Systems. , 2011, , .		3
60	AGENT-BASED SIMULATION FOR BORDER CROSSING MODELING. Cybernetics and Systems, 2014, 45, 650-670.	2.5	3
61	Smart and sustainable urban logistic applications aided by intelligent techniques. Service Oriented Computing and Applications, 2019, 13, 185-186.	1.6	3
62	The Multi-agent Layer of CALMeD SURF. Lecture Notes in Computer Science, 2018, , 446-460.	1.3	3
63	Scientific Discussion: Open Reviews of â€œARTI Reference Architecture â€“ PROSA Revisitedâ€• Studies in Computational Intelligence, 2019, , 20-37.	0.9	3
64	On the Definition of Meta-models for Analysis of Large-Scale MAS. Lecture Notes in Computer Science, 2004, , 273-286.	1.3	3
65	Using THOMAS for Service Oriented Open MAS. Lecture Notes in Computer Science, 2009, , 56-70.	1.3	3
66	Constraint Satisfaction by Means of Dynamic Polyhedra. , 2002, , 405-412.		3
67	On the evaluation of MAS development tools. International Federation for Information Processing, 2008, , 35-44.	0.4	3
68	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
69	Station Status Forecasting Module for a Multi-agent Proposal to Improve Efficiency on Bike-Sharing Usage. Lecture Notes in Computer Science, 2018, , 476-489.	1.3	2
70	An Agent-Supported Simulation of Labour and Financial Markets for Migration Processes. Lecture Notes in Economics and Mathematical Systems, 2010, , 241-252.	0.3	2
71	A Non-binary Constraint Satisfaction Solver: the One-Face Hyperpolyhedron Heuristic. , 2002, , 313-324.		2
72	Identifying and specifying holons in manufacturing systems. , 2008, , .		1

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73	On the development of an Agent Supported e-Manufacturing environment. , 2009, , .		1
74	Analysis, Comparison and Selection of MAS Software Engineering Processes and Tools. Lecture Notes in Computer Science, 2009, , 361-375.	1.3	1
75	ROMAS-Magentix2. Law, Governance and Technology Series, 2016, , 153-171.	0.4	1
76	How to Choose the Greenest Delivery Plan: A Framework to Measure Key Performance Indicators for Sustainable Urban Logistics. IFIP Advances in Information and Communication Technology, 2018, , 181-189.	0.7	1
77	Recommender System of Walking or Public Transportation Routes for Disabled Users. Communications in Computer and Information Science, 2018, , 392-403.	0.5	1
78	Preprocessing Algorithms for non-binary Disjunctive Constraint Satisfaction. , 2002, , 123-133.		1
79	Holons and Agents. Do they differ?. , 2003, , 309-322.		1
80	Artefacts and Guidelines for Designing Sustainable Manufacturing Systems. Studies in Computational Intelligence, 2016, , 93-101.	0.9	1
81	Cooperation Between Smart Manufacturing Scheduling Systems and Energy Providers: A Multi-agent Perspective. Studies in Computational Intelligence, 2019, , 197-210.	0.9	1
82	An Intelligent Platform for Supporting Optimized Collaborative Urban Logistics. Studies in Computational Intelligence, 2020, , 3-14.	0.9	1
83	Early Requirement Guidelines for Multiagent System Modeling. , 0, , .		0
84	Extending ANEMONA with NDT Phases. Procedia CIRP, 2013, 11, 120-123.	1.9	0
85	Evaluating how agent methodologies support the specification of the normative environment through the development process. Autonomous Agents and Multi-Agent Systems, 2015, 29, 1041-1060.	2.1	0
86	A dynamic hybrid control architecture for sustainable manufacturing control. IFAC-PapersOnLine, 2016, 49, 114-119.	0.9	0
87	Using an Agent-Supported Simulation Environment for Intelligent Manufacturing Systems. Lecture Notes in Computer Science, 2009, , 124-134.	1.3	0
88	ROMAS Approach Evaluation. , 2015, , 121-127.		0
89	AnÃƒÂ¡lisis y DiseÃƒÂ±o de Sistemas Multiagente Normativos Abiertos. Inteligencia Artificial, 2014, 17, 17-20.	0.8	0
90	A Multi-agent Approach for Composing Negotiation Items in a Reverse Logistic Virtual Market. Lecture Notes in Computer Science, 2018, , 417-430.	1.3	0