

Gonzalo Mejía-a

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

414
citations

758635

12
h-index

752256

20
g-index

31
all docs

31
docs citations

31
times ranked

319
citing authors

#	ARTICLE	IF	CITATIONS
1	An approach using petri nets and improved heuristic search for manufacturing system scheduling. <i>Journal of Manufacturing Systems</i> , 2005, 24, 79-92.	7.6	51
2	A new Hybrid Filtered Beam Search algorithm for deadlock-free scheduling of flexible manufacturing systems using Petri Nets. <i>Computers and Industrial Engineering</i> , 2017, 108, 165-176.	3.4	36
3	A self-tuning variable neighborhood search algorithm and an effective decoding scheme for open shop scheduling problems with travel/setup times. <i>European Journal of Operational Research</i> , 2020, 285, 484-496.	3.5	30
4	Petri nets and genetic algorithms for complex manufacturing systems scheduling. <i>International Journal of Production Research</i> , 2012, 50, 791-803.	4.9	27
5	Petri Nets and Deadlock-Free Scheduling of Open Shop Manufacturing Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1017-1028.	5.9	27
6	An augmented Petri Net approach for error recovery in manufacturing systems control. <i>Robotics and Computer-Integrated Manufacturing</i> , 2005, 21, 346-354.	6.1	26
7	Big Data Analytics and Intelligent Transportation Systems. <i>IFAC-PapersOnLine</i> , 2021, 54, 216-220.	0.5	25
8	Scheduling manufacturing systems with blocking: a Petri net approach. <i>International Journal of Production Research</i> , 2009, 47, 6261-6277.	4.9	23
9	A Petri Net-based framework for realistic project management and scheduling: An application in animation and videogames. <i>Computers and Operations Research</i> , 2016, 66, 190-198.	2.4	23
10	Scheduling of complex manufacturing systems with Petri nets and genetic algorithms: a case on plastic injection moulds. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 2773-2786.	1.5	20
11	Robust scheduling of flexible manufacturing systems with unreliable operations and resources. <i>International Journal of Production Research</i> , 2020, 58, 6474-6492.	4.9	15
12	Mystery Shopping in Public Transport: The Case of Bus Station Design. <i>Lecture Notes in Computer Science</i> , 2020, , 527-542.	1.0	15
13	Multiobjective scheduling algorithm for flexible manufacturing systems with Petri nets. <i>Journal of Manufacturing Systems</i> , 2020, 54, 272-284.	7.6	14
14	Market-level effects of firm-level adaptation and intermediation in networked markets of fresh foods: A case study in Colombia. <i>Agricultural Systems</i> , 2018, 160, 132-142.	3.2	13
15	Robust scheduling in uncertain environment with Petri nets and beam search. <i>IFAC-PapersOnLine</i> , 2018, 51, 1077-1082.	0.5	11
16	A Petri Net based algorithm for minimizing total tardiness in flexible manufacturing systems. <i>Annals of Operations Research</i> , 2008, 164, 63-78.	2.6	9
17	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem. <i>Mathematics</i> , 2022, 10, 329.	1.1	9
18	Strategic Supply Chain Planning for Food Hubs in Central Colombia: An Approach for Sustainable Food Supply and Distribution. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1792.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Optimal Solutions for a Multi-Product, Multi-Echelon Production and Replenishment System. International Journal of Information Systems and Supply Chain Management, 2009, 2, 62-72.	0.6	6
20	Applications of resource assignment and scheduling with Petri Nets and heuristic search. Annals of Operations Research, 2010, 181, 795-812.	2.6	6
21	Job shop rescheduling with rework and reconditioning in Industry 4.0: an event-driven approach. International Journal of Advanced Manufacturing Technology, 2022, 119, 3729-3745.	1.5	6
22	Scheduling and buffer reduction algorithm for job shop production systems. International Journal of Industrial and Systems Engineering, 2013, 13, 345.	0.1	5
23	Modeling and development of an ARENA® interface for Petri Nets. A case study in a Colombian cosmetics company. , 2008, , .		2
24	A Multi-Objective Dedicated Local Search for Project Scheduling Problem. IFAC-PapersOnLine, 2016, 49, 875-880.	0.5	2
25	Delivery of Perishable Export Products in Smart Cities: A Case Study in Bogotá (Colombia). Procedia Manufacturing, 2019, 39, 1946-1952.	1.9	2
26	Flexibility of operations in developing countries with Industry 4.0. A systematic review of literature. Production, 0, 32, .	1.3	2
27	Consolidating a research community on production research and logistics in Latin America. Academia Revista Latinoamericana De Administracion, 2019, 32, 110-117.	0.6	1
28	Implementation of Lean Manufacturing Principles in a Colombian Machine Shop: Layout Redesign and Theory of Constrains. , 2012, , 257-273.		1
29	Scheduling Complex Manufacturing Systems Using a Genetic Algorithm. Operations Research/ Computer Science Interfaces Series, 2016, , 223-240.	0.3	0
30	A Multi-agent Optimization Approach to Determine Farmers' Market Locations in Bogotá City, Colombia. Studies in Computational Intelligence, 2021, , 343-355.	0.7	0
31	Strategies for Flexibility in Production Systems in Industry 4.0: A Framework for Characterization. Communications in Computer and Information Science, 2021, , 330-341.	0.4	0