Maria Lr Varela

List of Publications by Year
in descending order

137	1,186	516710 16	501196 28
papers	citations	h-index	g-index

160	160	160	910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Firefly and Cuckoo Search Algorithm for Scheduling Problems: A Performance Analysis. Lecture Notes in Mechanical Engineering, 2023, , 75-88.	0.4	2
2	A Novel Integrated Framework Approach for TEBC Technologies in Distributed Manufacturing Systems: A Systematic Review and Opportunities. Lecture Notes in Mechanical Engineering, 2022, , 101-112.	0.4	0
3	Sustainable Criteria to the self-decision making of the partners regarding its integration in collaborative networks. Procedia Computer Science, 2022, 196, 371-380.	2.0	2
4	Manufacturing and Management Paradigms, Methods and Tools for Sustainable Industry 4.0-Oriented Manufacturing Systems. Sustainability, 2022, 14, 1574.	3.2	9
5	A Self-Parametrization Framework for Meta-Heuristics. Mathematics, 2022, 10, 475.	2.2	3
6	An innovative approach for resource sharing and scheduling in a sustainable distributed manufacturing system. Advanced Engineering Informatics, 2022, 52, 101620.	8.0	11
7	A Statistical Comparison of Metaheuristics for Unrelated Parallel Machine Scheduling Problems with Setup Times. Mathematics, 2022, 10, 2431.	2.2	4
8	Integrated process planning and scheduling in networked manufacturing systems for I4.0: a review and framework proposal. Wireless Networks, 2021, 27, 1587-1599.	3.0	34
9	Semi-Double-loop machine learning based CPS approach for predictive maintenance in manufacturing system based on machine status indications. CIRP Annals - Manufacturing Technology, 2021, 70, 365-368.	3.6	15
10	Framework for a risk assessment model to apply in Virtual / Collaborative Enterprises. Procedia Computer Science, 2021, 181, 612-618.	2.0	8
11	A Production Scheduling Support Framework. Advances in Intelligent Systems and Computing, 2021, , 869-879.	0.6	0
12	An Integrated Fuzzy MCDM Approach to Supplier Selectionâ€"Indian Automotive Industry Case. Modeling and Optimization in Science and Technologies, 2021, , 473-484.	0.7	1
13	Investigation of Degradation and Upgradation Models for Flexible Unit Systems: A Systematic Literature Review. Future Internet, 2021, 13, 57.	3.8	4
14	Job Adjustment Strategy for Predictive Maintenance in Semi-Fully Flexible Systems Based on Machine Health Status. Sustainability, 2021, 13, 5295.	3.2	1
15	A Hybrid Multi-Objective Evolutionary Algorithm-Based Semantic Foundation for Sustainable Distributed Manufacturing Systems. Applied Sciences (Switzerland), 2021, 11, 6314.	2.5	10
16	Analysing Critical Success Factors for Supporting Online Shopping. , 2021, , 473-491.		0
17	Modelling, Analysis and Simulation of a Patient Admission Problem: A Social Network Approach. Advances in Intelligent Systems and Computing, 2021, , 41-51.	0.6	0
18	Interoperable Decision Support System Based on Multivariate Time Series for Setup Data Processing and Visualization. Advances in Intelligent Systems and Computing, 2021, , 550-560.	0.6	1

#	Article	IF	Citations
19	How environment dynamics affects production scheduling: Requirements for development of CPPS models. FME Transactions, 2021, 49, 827-834.	1.4	5
20	Literature review and discussion on collaborative decision making approaches in Industry 4.0. FME Transactions, 2021, 49, 817-826.	1.4	2
21	Development of a System for Supporting Industrial Management. Lecture Notes in Mechanical Engineering, 2020, , 209-215.	0.4	4
22	Ontology-Based Meta-model for Hybrid Collaborative Scheduling. Advances in Intelligent Systems and Computing, 2020, , 408-417.	0.6	0
23	Comparative study of autonomous production control methods using simulation. Simulation Modelling Practice and Theory, 2020, 104, 102142.	3.8	1
24	Literature review on autonomous production control methods. Enterprise Information Systems, 2020, 14, 1219-1231.	4.7	16
25	Using social network analysis for industrial plant layout analysis in the context of industry 4.0. International Journal of Industrial and Systems Engineering, 2020, 34, 1.	0.2	2
26	Performance Evaluation of Different Mechanisms of Production Activity Control in the Context of Industry 4.0. Lecture Notes in Networks and Systems, 2020, , 82-103.	0.7	4
27	Development of cyber physical system based manufacturing system design for process optimization. IOP Conference Series: Materials Science and Engineering, 2020, 997, 012048.	0.6	10
28	Energy Efficient Network Manufacturing System Using Controlled Elitist Non-dominated Sorting Genetic Algorithm. Lecture Notes in Networks and Systems, 2020, , 188-206.	0.7	0
29	Simulation of Vertical and Horizontal Integration of Cyber-Physical Systems. , 2020, , .		2
30	Using social network analysis for industrial plant layout analysis in the context of industry 4.0. International Journal of Industrial and Systems Engineering, 2020, 34, 1.	0.2	0
31	Production Planning and Setup Time Optimization: An Industrial Case Study. Lecture Notes in Mechanical Engineering, 2020, , 220-230.	0.4	1
32	RAPID PROTOTYPING BOOST IN RESEARCH AND DEVELOPMENT. International Journal of Mechatronics and Applied Mechanics, 2020, 1, .	0.2	0
33	Investigation of Copper and Zinc Contamination on the Work Piece Surface with WEDM. Lecture Notes in Electrical Engineering, 2019, , 608-615.	0.4	1
34	Impact of UTAUT Predictors on the Intention and Usage of Electronic Health Records and Telemedicine from the Perspective of Clinical Staffs. Lecture Notes in Electrical Engineering, 2019, , 172-177.	0.4	10
35	Application of value stream mapping for cycle time reduction in production of link and roller assembly. International Journal of Services and Operations Management, 2019, 33, 135.	0.2	2
36	Estimation of manufacturing systems degradation rate for residual life prediction through dynamic workload adjustment. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	4

#	Article	IF	Citations
37	Model Proposal to Evaluate the Quality of a Production Planning and Control Software in an Industrial Context. Lecture Notes in Mechanical Engineering, 2019, , 38-47.	0.4	1
38	Tools Implementation in Management of Continuous Improvement Processes. Lecture Notes in Mechanical Engineering, 2019, , 348-357.	0.4	1
39	Evaluation of the Relation between Lean Manufacturing, Industry 4.0, and Sustainability. Sustainability, 2019, 11, 1439.	3.2	133
40	A Dynamic Selection of Dispatching Rules Based on the Kano Model Satisfaction Scheduling Tool. Lecture Notes in Electrical Engineering, 2019, , 339-346.	0.4	2
41	Integration of Process Planning and Scheduling in an Energy-Efficient Flexible Job Shop: A Hybrid Moth Flame Evolutionary Algorithm. , 2019, , 115-134.		2
42	DECISION SUPPORT VISUALIZATION APPROACH IN TEXTILE MANUFACTURING A CASE STUDY FROM OPERATIONAL CONTROL IN TEXTILE INDUSTRY. International Journal for Quality Research, 2019, 13, 987-1004.	1.0	4
43	A human centered hybrid MAS and meta-heuristics based system for simultaneously supporting scheduling and plant layout adjustment. FME Transactions, 2019, 47, 699-710.	1.4	11
44	An Industry 4.0 oriented tool for supporting dynamic selection of dispatching rules based on Kano model satisfaction scheduling. FME Transactions, 2019, 47, 757-764.	1.4	10
45	Analysis of lot-sizing methodsâ€™ suitability for different manufacturing application scenarios oriented to MRP and JIT/Kanban environments. Brazilian Journal of Operations and Production Management, 2019, 16, 638-649.	1.4	0
46	THE POTENTIAL OF VALUE ANALYSIS APPLICATION IN THE FURNITURE INDUSTRY â€“ A CASE STUDY AT IKEA. International Journal for Quality Research, 2019, 13, 863-874.	1.0	0
47	Collaborative framework for virtual organisation synthesis based on a dynamic multi-criteria decision model. International Journal of Computer Integrated Manufacturing, 2018, 31, 857-868.	4.6	33
48	Production Flow Improvement in a Textile Industry. Advances in Intelligent Systems and Computing, 2018, , 224-233.	0.6	4
49	Ranked sequence positional weight heuristic for simultaneous balancing and scheduling jobs in a distributed manufacturing environment. Procedia CIRP, 2018, 67, 3-7.	1.9	2
50	A Text Mining Based Supervised Learning Algorithm for Classification of Manufacturing Suppliers. Advances in Intelligent Systems and Computing, 2018, , 236-244.	0.6	1
51	Automatic Assist in Estimating the Production Capacity of Final Machining for Cast Iron Machine Parts. Advances in Intelligent Systems and Computing, 2018, , 254-263.	0.6	2
52	Manufacturing Services Classification in a Decentralized Supply Chain Using Text Mining. Advances in Intelligent Systems and Computing, 2018, , 186-193.	0.6	2
53	A Methodology of Improvement of Manufacturing Productivity Through Increasing Operational Efficiency of the Production Process. Lecture Notes in Mechanical Engineering, 2018, , 23-32.	0.4	38
54	Development of an Intelligent and Automated System for Lean Industrial Production, AddingÂMaximum Productivity and Efficiency inÂtheÂProduction Process. Lecture Notes in Mechanical Engineering, 2018, , 131-140.	0.4	16

#	Article	IF	Citations
55	Simulation of cyber physical systems behaviour using timed plant models. Mechatronics, 2018, 54, 175-185.	3.3	19
56	A data fusion approach for business partners selection. International Journal of Information and Decision Sciences, 2018, 10, 311.	0.1	0
57	A comparison of generalised maximum entropy and ordinary least square. International Journal of Information and Decision Sciences, 2018, 10, 297.	0.1	0
58	The Influence of Problem Specific Neighborhood Structures in Metaheuristics Performance. Journal of Mathematics, 2018, 2018, 1-14.	1.0	0
59	Mechanical Design of a Standing Frame adapted for Children with mental deficiency. Procedia CIRP, 2018, 70, 278-283.	1.9	0
60	FHIRbox, a cloud integration system for clinical observations. Procedia Computer Science, 2018, 138, 303-309.	2.0	7
61	Intelligent Collaborative Decision-Making Models, Methods, and Tools. Mathematical Problems in Engineering, 2018, 2018, 1-2.	1.1	3
62	Disruptive data visualization towards zero-defects diagnostics. Procedia CIRP, 2018, 67, 374-379.	1.9	7
63	A Collaborative Multiplicative Holt-Winters Forecasting Approach with Dynamic Fuzzy-Level Component. Applied Sciences (Switzerland), 2018, 8, 530.	2.5	16
64	A multi-criteria decision making approach for the urban renewal in Southern India. Sustainable Cities and Society, 2018, 42, 471-481.	10.4	68
65	THE USE OF THEORY OF CONSTRAINTS TO IMPROVE PRODUCTION EFFICIENCY â€“ INDUSTRIAL PRACTICE AND RESEARCH RESULTS. DEStech Transactions on Engineering and Technology Research, 2018, , .	0.0	5
66	Web-Based Decision System for Distributed Process Planning in a Networked Manufacturing Environment. Studies in Computational Intelligence, 2018, , 111-118.	0.9	0
67	Intelligent Platform for Supervision and Production Activity Control in Real Time. Lecture Notes in Mechanical Engineering, 2018, , 151-159.	0.4	3
68	A data fusion approach for business partners selection. International Journal of Information and Decision Sciences, 2018, 10, 311.	0.1	0
69	Integrated Process Planning and Scheduling in Networked Manufacturing Systems for Industry 4.0: A Review and Framework Proposal. , 2018, , .		0
70	A hybrid multi-objective evolutionary algorithm approach for handling sequence- and machine-dependent set-up times in unrelated parallel machine scheduling problem. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 391-403.	1.3	10
71	Investigation of reconfiguration effect on makespan with social network method for flexible job shop scheduling problem. Computers and Industrial Engineering, 2017, 110, 231-241.	6.3	26
72	The Tool Supporting Decision Making Process in Area of Job-Shop Scheduling. Advances in Intelligent Systems and Computing, 2017, , 490-498.	0.6	25

#	Article	IF	Citations
73	Cycle Time Reduction in Deck Roller Assembly Production Unit with Value Stream Mapping Analysis. Advances in Intelligent Systems and Computing, 2017, , 509-518.	0.6	17
74	Comparative Simulation Study of Production Scheduling in the Hybrid and the Parallel Flow. Management and Production Engineering Review, 2017, 8, 69-80.	1.4	14
75	A comparison of production control systems in a flexible flow shop. Procedia Manufacturing, 2017, 13, 1090-1095.	1.9	6
76	Virtual Reality Based Ecodesign. Ecoproduction, 2017, , 119-135.	0.8	11
77	A Simulation Platform Prototype for Evaluating Alternative Scenarios of Members Integration in Virtual Organizations. Lecture Notes in Electrical Engineering, 2017, , 521-531.	0.4	0
78	Methods time measurement on the optimization of a productive process: A case study. , 2017, , .		3
79	Virtual Enterprise integration management based on a Meta-enterprise â€“ a PMBoK approach. Procedia Computer Science, 2017, 121, 1112-1118.	2.0	6
80	Job shop schedules analysis in the context of industry 4.0. , 2017, , .		16
81	Telefacturing Based Distributed Manufacturing Environment for Optimal Manufacturing Service by Enhancing the Interoperability in the Hubs. Journal of Engineering (United States), 2017, 2017, 1-15.	1.0	4
82	Evaluation of the Simulated Annealing and the Discrete Artificial Bee Colony in the Weight Tardiness Problem with Taguchi Experiments Parameterization. Advances in Intelligent Systems and Computing, 2017, , 718-727.	0.6	2
83	Industrial Plant Layout Analyzing Based on SNA. Advances in Intelligent Systems and Computing, 2017, , 728-737.	0.6	2
84	Integrated Framework based on Critical Success Factors for E-Commerce. Journal of Information Systems Engineering and Management, 2017, 2, .	0.7	12
85	Analysing Critical Success Factors for Supporting Online Shopping. International Journal of Web Portals, 2017, 9, 1-19.	1.1	3
86	Study on the impact of the NS in the performance of meta-heuristics in the TSP. , 2016, , .		2
87	A Knowledge Based System for Supporting Sustainable Industrial Management in a Clothes Manufacturing Company Based on a Data Fusion Model. Lecture Notes in Business Information Processing, 2016, , 113-126.	1.0	2
88	A multi-perspective integrated framework of critical success factors for supporting on-line shopping. , 2016, , .		4
89	Web-based decision system for effective process planning in network manufacturing environment. , 2016, , .		3
90	Definition of a collaborative working model to the logistics area using design for Six Sigma. International Journal of Quality and Reliability Management, 2016, 33, 465-475.	2.0	8

#	Article	IF	Citations
91	Analysing the correlation between social network analysis measures and performance of students in social network-based engineering education. International Journal of Technology and Design Education, 2016, 26, 413-437.	2.6	51
92	Balancing and scheduling in extended manufacturing environment. Journal of Information Systems Engineering and Management, 2016, 1, .	0.7	1
93	INTEGRATED PLATFORM FOR REAL-TIME CONTROL AND PRODUCTION AND PRODUCTIVITY MONITORING AND ANALYSIS. Romanian Review Precision Mechanics, Optics and Mechatronics, 2016, , .	0.0	3
94	Collaborative Negotiation Platform using a Dynamic Multi-Criteria Decision Model. International Journal of Decision Support System Technology, 2015, 7, 1-14.	0.7	30
95	An ordered heuristic for the allocation of resources in unrelated parallel-machines. International Journal of Industrial Engineering Computations, 2015, 6, 145-156.	0.7	3
96	Simulation study of large production network robustness in uncertain environment. CIRP Annals - Manufacturing Technology, 2015, 64, 439-442.	3.6	11
97	Shortening changeover time — An industrial study. , 2015, , .		25
98	Scheduling single-machine problem oriented by Just-in-Time principles — A case study. , 2015, , .		0
99	Scheduling and batching in multi-site flexible flow shop environments. , 2015, , .		0
100	An integer programming approach for balancing and scheduling in extended manufacturing environment. , 2015, , .		1
101	Condition based maintenance optimization for multi-state wind power generation systems under periodic inspection. FME Transactions, 2015, 43, 319-327.	1.4	8
102	Spatial-temporal business partnership selection in uncertain environments. FME Transactions, 2015, 43, 353-361.	1.4	4
103	Parallel machines scheduling with fuzzy simulated annealing. , 2014, , .		0
104	Scheduling single-machine problem based on just-in-time principles. , 2014, , .		3
105	A Web-Based Decision Support System for Supply Chain Operations Management Towards an Integrated Framework. Lecture Notes in Business Information Processing, 2014, , 104-117.	1.0	13
106	A hybrid framework for supporting scheduling in extended manufacturing environments. , 2014, , .		2
107	Scheduling in product oriented manufacturing systems. , 2014, , .		2
108	Alternative approaches analysis for scheduling in an Extended Manufacturing Environment. , 2014, , .		7

#	Article	IF	Citations
109	Comparative analysis of scheduling rules through arena for parallel machines. , 2014, , .		0
110	An ordered approach to Minimum Completion Time in unrelated parallel-machines for the makespan optimization. , 2014, , .		0
111	Dynamic MCDM with future knowledge for supplier selection. Journal of Decision Systems, 2014, 23, 232-248.	3.2	45
112	Distributed Manufacturing Scheduling Based on a Dynamic Multi-criteria Decision Model. Studies in Fuzziness and Soft Computing, 2014, , 81-93.	0.8	18
113	A Manufacturing Scheduling Approach by Combining Simulation Technique with the Hodgsonâ€™s Algorithm. , 2014, , 247-257.		0
114	Collaborative Framework for Dynamic Scheduling Supporting in Networked Manufacturing Environments. International Journal of Web Portals, 2014, 6, 33-51.	1.1	1
115	Cloudlet Architecture for Dashboard in Cloud and Ubiquitous Manufacturing. Procedia CIRP, 2013, 12, 366-371.	1.9	32
116	P2P Web Service Based System for Supporting Decision-Making in Cellular Manufacturing Scheduling. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 155-165.	0.5	1
117	Web-Based Decision Support System for Orders Planning. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 167-177.	0.5	0
118	Product Documentation Management Through REST-Based Web Service. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 179-189.	0.5	0
119	Web System for Supporting Project Management. Intelligent Systems, Control and Automation: Science and Engineering, 2013, , 203-214.	0.5	2
120	Collaborative Network Platform for Multi-site Production. Lecture Notes in Business Information Processing, 2012, , 1-13.	1.0	10
121	A Fuzzy Simulated Annealing approach for project time-cost tradeoff. Journal of Intelligent and Fuzzy Systems, 2012, 23, 203-215.	1.4	9
122	Web-based Technologies Integration for Distributed Manufacturing Scheduling in a Virtual Enterprise. International Journal of Web Portals, 2012, 4, 19-34.	1.1	30
123	Experimental Platform for Collaborative Inter and Intra Cellular Fuzzy Scheduling in an Ubiquitous Manufacturing System. Communications in Computer and Information Science, 2012, , 220-229.	0.5	10
124	Collaborative Dynamic Decision Making: A Case Study from B2B Supplier Selection. Lecture Notes in Business Information Processing, 2012, , 88-102.	1.0	18
125	Effective Service Dynamic Packages for Ubiquitous Manufacturing System. Communications in Computer and Information Science, 2012, , 207-219.	0.5	0
126	P2P Decision Support System for Cooperative Electrical Energy Distribution Network Management. Communications in Computer and Information Science, 2012, , 230-240.	0.5	0

#	Article	IF	Citations
127	A Model for B2B Supplier Selection. Advances in Intelligent and Soft Computing, 2011, , 221-228.	0.2	14
128	Electrical Energy Losses Determination In Low Voltage â€“ A Case Study. Sistemas & GestÃ£o, 2011, 6, 91-116.	0.1	2
129	An Architecture for a Web Service Based Product Configuration Information System. Communications in Computer and Information Science, 2010, , 20-31.	0.5	0
130	KANBAN SHARING AND OPTIMIZATION IN BOSCH PRODUCTION SYSTEM. , 2010, , .		0
131	Communication over IP Based on Web Services. , 2008, , .		1
132	An Ontology For A Model Of Manufacturing Scheduling Problems To Be Solved On The Web. , 2008, , 197-204.		18
133	A Scheduling Web Service. , 2005, , 187-201.		0
134	A Web Interface for Accessing Scheduling Methods in a Distributed Knowledge Base. , 2004, , 469-478.		1
135	A Distributed Knowledge Base for Manufacturing Scheduling. , 2004, , 323-330.		1
136	Fuzzy Optimization using Simulated Annealing: An Example Set. Studies in Fuzziness and Soft Computing, 2003, , 159-180.	0.8	8
137	Developing a Web Scheduling System Based on XML Modeling. , 2002, , 61-70.		3