Jorge Arinez

List of Publications by Year
in descending order

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67	1,338	279798	361022
papers	citations	23 h-index	35 g-index

71	71	71	745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Process monitoring for qualityâ€“a feature selection method for highly unbalanced binary data. International Journal on Interactive Design and Manufacturing, 2022, 16, 557-572.	2.2	3
2	Explaining Learning Models in Manufacturing Processes. Procedia Computer Science, 2021, 180, 259-268.	2.0	14
3	Biometric applications in education. International Journal on Interactive Design and Manufacturing, 2021, 15, 365-380.	2.2	14
4	Modeling and Dynamic Assignment of the Adaptive Buffer Spaces in Serial Production Lines. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	6
5	Analysis of Downtime Transient Impact for Energy Efficient Manufacturing Systems. IEEE Access, 2020, 8, 124020-124031.	4.2	0
6	Data-Enabled Modeling and Analysis of Multistage Manufacturing Systems with Quality Rework Loops. Journal of Manufacturing Systems, 2020, 56, 573-584.	13.9	17
7	Distributed Production Scheduling for Multi-Product Flexible Production Lines. , 2020, , .		1
8	Deep reinforcement learning based preventive maintenance policy for serial production lines. Expert Systems With Applications, 2020, 160, 113701.	7.6	82
9	Product Completion Time Prediction Using A Hybrid Approach Combining Deep Learning and System Model. Journal of Manufacturing Systems, 2020, 57, 311-322.	13.9	20
10	Learning with Missing Data. , 2020, , .		2
11	A Maintenance and Energy Saving Joint Control Scheme for Sustainable Manufacturing Systems. Procedia CIRP, 2019, 80, 263-268.	1.9	19
12	Improved Production Performance Through Manufacturing System Learning. , 2019, , .		2
13	Resilient adaptive control based on renewal particle swarm optimization to improve production system energy efficiency. Journal of Manufacturing Systems, 2019, 50, 135-145.	13.9	16
14	Gantry Work Cell Scheduling through Reinforcement Learning with Knowledge-guided Reward Setting. IEEE Access, 2018, 6, 14699-14709.	4.2	17
15	Production System Performance Identification Using Sensor Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 255-264.	9.3	38
16	Analysis of End-of-State Impact on Manufacturing System Production Performance. , 2018, , .		1
17	A Real-Time Maintenance Policy for Multi-Stage Manufacturing Systems Considering Imperfect Maintenance Effects. IEEE Access, 2018, 6, 62174-62183.	4.2	27
18	Real-time Control of Maintenance on Deteriorating Manufacturing System. , 2018, , .		1

#	Article	IF	Citations
19	Analysis of Production System Real-Time Dynamics and Downtime Transient Impact on System Future Production. , 2018, , .		0
20	Analysis and Evaluation of Control Action End-State Impact on Manufacturing System Future Production. IEEE Access, 2018, 6, 60187-60197.	4.2	1
21	Production performance prognostics through model-based analytical method and recency-weighted stochastic approximation method. Journal of Manufacturing Systems, 2018, 47, 107-114.	13.9	6
22	Modeling and Performance Diagnostics of Composite Work Cells With Gantries. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1230-1242.	5.2	4
23	Event-Based Modeling and Analysis of Sensor Enabled Networked Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2018, 15, 1930-1945.	5.2	10
24	Data-driven modeling and real-time distributed control for energy efficient manufacturing systems. Energy, 2017, 127, 247-257.	8.8	47
25	Dynamic production system diagnosis and prognosis using model-based data-driven method. Expert Systems With Applications, 2017, 80, 200-209.	7.6	49
26	Real-Time Resilient Control for Stochastic Production System Energy Efficiency. , 2017, , .		0
27	Gantry Scheduling for Two-Machine One-Buffer Composite Work Cell by Reinforcement Learning. , 2017, , .		3
28	The Changing Landscape of Energy Management in Manufacturing. , 2016, , .		1
29	Opportunity Window for Energy Saving and Maintenance in Stochastic Production Systems. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	2.2	29
30	Performance analysis for serial production lines with Bernoulli Machines and Real-time WIP-based Machine switch-on/off control. International Journal of Production Research, 2016, 54, 6285-6301.	7.5	67
31	Sustainable Manufacturing Performance Indicators for a Serial Production Line. IEEE Transactions on Automation Science and Engineering, 2016, 13, 676-687.	5.2	27
32	Finite Production Run-Based Serial Lines With Bernoulli Machines: Performance Analysis, Bottleneck, and Case Study. IEEE Transactions on Automation Science and Engineering, 2016, 13, 134-148.	5.2	46
33	Implementing a Real-Time, Energy-Efficient Control Methodology to Maximize Manufacturing Profits. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 855-866.	9.3	25
34	Performance Analysis of Assembly Systems With Bernoulli Machines and Finite Buffers During Transients. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1018-1032.	5.2	36
35	Transient Performance Analysis of Serial Production Lines With Geometric Machines. IEEE Transactions on Automatic Control, 2016, 61, 877-891.	5.7	54
36	Performance analysis of Bernoulli serial production lines with switch-on/off machine control. , 2015, , .		12

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37	Data-Driven Analysis of Downtime Impacts in Parallel Production Systems. IEEE Transactions on Automation Science and Engineering, 2015, 12, 1541-1547.	5.2	13
38	Transient Performance Evaluation of Assembly Systems with Bernoulli MachinesÃ•. IFAC-PapersOnLine, 2015, 48, 88-93.	0.9	3
39	Modeling, analysis, and improvement of integrated productivity and quality system in battery manufacturing. IIE Transactions, 2015, 47, 1313-1328.	2.1	27
40	Distributed solar renewable generation: Option contracts with renewable energy credit uncertainty. Energy Economics, 2015, 48, 295-305.	12.1	27
41	Evaluating and reducing production impact on HVAC cooling load. , 2015, , .		1
42	Energy economics in the manufacturing industry: A return on investment strategy. Energy, 2015, 93, 1426-1435.	8.8	18
43	Market Demand Oriented Data-Driven Modeling for Dynamic Manufacturing System Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 109-121.	9.3	24
44	Energy Efficiency Management of an Integrated Serial Production Line and HVAC System. IEEE Transactions on Automation Science and Engineering, 2014, 11, 789-797.	5.2	45
45	Analysis and improvement of batch-based production lines with Bernoulli machines. , 2014, , .		1
46	Quality flow model in automotive paint shops. International Journal of Production Research, 2013, 51, 6470-6483.	7.5	21
47	Transient analysis of Bernoulli serial lines: performance evaluation and system-theoretic properties. IIE Transactions, 2013, 45, 528-543.	2.1	80
48	Analysis of production completion time in Bernoulli serial lines with finite buffers. , 2013, , .		3
49	Energy-Efficient Production Systems Through Schedule-Based Operations. IEEE Transactions on Automation Science and Engineering, 2013, 10, 27-37.	5.2	130
50	Quality bottleneck transitions in flexible manufacturing systems with batch productions. IIE Transactions, 2013, 45, 190-205.	2.1	25
51	Modeling Quality Propagation in Automotive Paint Shops: An Application Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1890-1895.	0.4	4
52	Indicators for quality improvability and bottleneck sequence in flexible manufacturing systems with batch production. International Journal of Production Research, 2012, 50, 6388-6402.	7.5	26
53	Feedback control of machine startup for energy-efficient manufacturing in Bernoulli serial lines. , 2011, , .		17
54	Decision-Guided Self-Architecting Framework for integrated distribution and Energy Management. , 2011, , .		2

#	Article	IF	Citations
55	Production system design to achieve energy savings in an automotive paint shop. International Journal of Production Research, 2011, 49, 6769-6785.	7.5	34
56	Improving Quality in Flexible Manufacturing Systems: A Systems Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3992-3997.	0.4	0
57	Optimization of on-site renewable energy generation for industrial sites. , 2011, , .		10
58	Quality Analysis in Flexible Manufacturing Systems With Batch Productions: Performance Evaluation and Nonmonotonic Properties. IEEE Transactions on Automation Science and Engineering, 2010, 7, 671-676.	5.2	20
59	Improving quality in flexible manufacturing systems: A bottleneck transition approach. , 2010, , .		0
60	Quality/Quantity Improvement in an Automotive Paint Shop: A Case Study. IEEE Transactions on Automation Science and Engineering, 2010, 7, 755-761.	5.2	56
61	Quality bottleneck transitions in flexible manufacturing systems. , 2010, , .		0
62	Product Sequencing With Respect to Quality in Flexible Manufacturing Systems With Batch Operations. IEEE Transactions on Automation Science and Engineering, 2010, 7, 776-790.	5.2	25
63	Integration requirements for manufacturing-based Energy Management Systems. , 2010, , .		10
64	Stochastic flow modeling for control of manufacturing system quality. , 2008, , .		0
65	Quality analysis in flexible manufacturing systems with batch productions. , 2008, , .		4
66	Improving Production Performance Through Multi-Plant Cross Learning. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 0, , 1-17.	2.2	0
67	Process-Monitoring-for-Quality - A Step Forward in the Zero Defects Vision. , 0, , .		10