Feng Ju

List of Publications by Year
in descending order

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42 papers	541 citations	759233 12 h-index	713466 21 g-index
45 all docs	45 docs citations	45 times ranked	483 citing authors

#	Article	IF	Citations
1	Resident Rotation Scheduling for Categorical Internal Medicine Residency Program. IEEE Robotics and Automation Letters, 2022, 7, 4142-4148.	5.1	1
2	A dynamic sequential decision-making model on MRI real-time scheduling with simulation-based optimization. Health Care Management Science, 2022, , .	2.6	1
3	Dynamic material deposition control for large-scale additive manufacturing. IISE Transactions, 2022, 54, 817-831.	2.4	2
4	Transient and Steady-State Analysis of Multistage Production Lines With Residence Time Limits. IEEE Transactions on Automation Science and Engineering, 2021, 18, 122-134.	5.2	7
5	Print Surface Thermal Modeling and Layer Time Control for Large-Scale Additive Manufacturing. IEEE Transactions on Automation Science and Engineering, 2021, 18, 244-254.	5.2	16
6	Decomposition-based real-time control of multi-stage transfer lines with residence time constraints. IISE Transactions, 2021, 53, 943-959.	2.4	5
7	Multifidelity Modeling for Analysis and Optimization of Serial Production Lines. IEEE Transactions on Automatic Control, 2021, 66, 3460-3474.	5.7	3
8	Knowledge-Based Automation for Smart Manufacturing Systems. IEEE Transactions on Automation Science and Engineering, 2021, 18, 2-4.	5.2	0
9	Deep representation learning for process variation management in laser powder bed fusion. Additive Manufacturing, 2021, 42, 101961.	3.0	11
10	Rollout-based Gantry Call-back Control for Proton Therapy Systems. , 2021, , .		1
11	A Novel Real-Time Thermal Analysis and Layer Time Control Framework for Large-Scale Additive Manufacturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	7
12	Performance Evaluation of Production Systems Using Real-Time Machine Degradation Signals. IEEE Transactions on Automation Science and Engineering, 2020, 17, 273-283.	5.2	12
13	Adaptive Minimum Confidence Region Rule for Multivariate Initialization Bias Truncation in Discrete-Event Simulations. Technometrics, 2020, 62, 499-512.	1.9	1
14	Integrated analysis of productivity and machine condition degradation: Performance evaluation and bottleneck identification. IISE Transactions, 2019, 51, 501-516.	2.4	9
15	Real-time control for large scale additive manufacturing using thermal images. , 2019, , .		11
16	Flexible preventative maintenance for serial production lines with multi-stage degrading machines and finite buffers. IISE Transactions, 2019, 51, 777-791.	2.4	9
17	Joint Optimization of Operating Mode and Part Sequence for Robot Loading Process Considering Real-time Health Condition. , 2019, , .		0
18	Transient analysis and real-time control of geometric serial lines with residence time constraints. IISE Transactions, 2019, 51, 709-728.	2.4	20

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19	A System-Theoretic Method for Modeling, Analysis, and Improvement of Lung Cancer Diagnosis-to-Surgery Process. IEEE Transactions on Automation Science and Engineering, 2018, 15, 531-544.	5.2	11
20	Systematic continuous improvement model for variation management of key characteristics running with low capability. International Journal of Production Research, 2018, 56, 2370-2387.	7.5	8
21	Reducing Bottlenecks to Improve the Efficiency of the Lung Cancer Care Delivery Process: A Process Engineering Modeling Approach to Patient-Centered Care. Journal of Medical Systems, 2018, 42, 16.	3.6	5
22	Real-time Production Performance Analysis Using Machine Degradation Signals: a Two-Machine Case. , 2018, , .		0
23	Simulation-Predictive Control for Manufacturing Systems. , 2018, , .		3
24	Condition-based Real-time Production Control for Smart Manufacturing Systems. , 2018, , .		7
25	Transient Analysis of Serial Production Lines With Perishable Products: Bernoulli Reliability Model. IEEE Transactions on Automatic Control, 2017, 62, 694-707.	5.7	52
26	Transient Analysis of Geometric Serial Lines With Perishable Intermediate Products. IEEE Robotics and Automation Letters, 2017, 2, 149-156.	5.1	12
27	Power Management for Hybrid Energy Storage System of Electric Vehicles Considering Inaccurate Terrain Information. IEEE Transactions on Automation Science and Engineering, 2017, 14, 608-618.	5.2	26
28	Smart Manufacturing Systems based on Cyber-physical Manufacturing Services (CPMS). IFAC-PapersOnLine, 2017, 50, 15883-15889.	0.9	59
29	Selective Assembly System With Unreliable Bernoulli Machines and Finite Buffers. IEEE Transactions on Automation Science and Engineering, 2017, 14, 171-184.	5.2	23
30	A study on performance evaluation and status-based decision for cyber-physical production systems. , 2017, , .		5
31	Performance Evaluation of Modularized Global Equalization System for Lithium-Ion Battery Packs. IEEE Transactions on Automation Science and Engineering, 2016, 13, 986-996.	5.2	39
32	Transient Analysis of Bernoulli Serial Line with Perishable Products. IFAC-PapersOnLine, 2015, 48, 1670-1675.	0.9	5
33	Modeling, analysis, and improvement of integrated productivity and quality system in battery manufacturing. IIE Transactions, 2015, 47, 1313-1328.	2.1	27
34	Computer modeling of lung cancer diagnosis-to-treatment process. Translational Lung Cancer Research, 2015, 4, 404-14.	2.8	8
35	Review of structures and control of battery-supercapacitor hybrid energy storage system for electric vehicles. , 2014, , .		31
36	Dynamic power demand prediction for battery-supercapacitor hybrid energy storage system of electric vehicle with terrain information. , 2014, , .		4

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37	Modularized global equalization of battery cells for electric vehicles. , 2014, , .		2
38	A Quality Flow Model in Battery Manufacturing Systems for Electric Vehicles. IEEE Transactions on Automation Science and Engineering, 2014, 11, 230-244.	5.2	36
39	Quality flow model in automotive paint shops. International Journal of Production Research, 2013, 51, 6470-6483.	7.5	21
40	Integrated model of productivity and quality in serial production lines with repairs: Performance evaluation and bottleneck identification. , 2013, , .		0
41	Virtual Battery: A Battery Simulation Framework for Electric Vehicles. IEEE Transactions on Automation Science and Engineering, 2013, 10, 5-15.	5.2	24
42	Virtual battery: A simulation framework for batteries in electric vehicles. , 2011, , .		0