

# Jiaxiang Luo

## List of Publications by Year in descending order

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16  
papers

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1307594

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1372567

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154  
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#	ARTICLE	IF	CITATIONS
1	Nonlinear process modeling via unidimensional convolutional neural networks with self-attention on global and local inter-variable structures and its application to process monitoring. ISA Transactions, 2022, 121, 105-118.	5.7	13
2	Toward Interpretable Process Monitoring: Slow Feature Analysis-Aided Autoencoder for Spatiotemporal Process Feature Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	8
3	FPCB Surface Defect Detection: A Decoupled Two-Stage Object Detection Framework. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	60
4	Wedge Formation of Multiagent System by A Dynamic Leader-Follower Approach. , 2021, , .		0
5	A novel multi-strategy DE algorithm for parameter optimization in support vector machine. Journal of Intelligent Information Systems, 2020, 54, 527-543.	3.9	7
6	A Fast Circle Detection Method Based on a Tri-Class Thresholding for High Detail FPC Images. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1327-1335.	4.7	10
7	Semi-supervised process fault classification based on convolutional ladder network with local and global feature fusion. Computers and Chemical Engineering, 2020, 140, 106843.	3.8	17
8	Monotonically convergent hybrid ILC for uncertain discrete-time switched systems with state delay. Transactions of the Institute of Measurement and Control, 2017, 39, 1047-1058.	1.7	8
9	An MILP model and a hybrid evolutionary algorithm for integrated operation optimisation of multi-head surface mounting machines in PCB assembly. International Journal of Production Research, 2017, 55, 145-160.	7.5	19
10	An optimization algorithm of PCB assembly time for multi-head placement machine. , 2017, , .		0
11	An improved HHT with GM(2,1) predictive model for fault detection and diagnosis. , 2014, , .		0
12	Modelling the operation optimization of multi-head surface mounting machines with over-head gantry in printed circuit board assembly. , 2014, , .		3
13	An MILP model and clustering heuristics for LED assembly optimisation on high-speed hybrid pick-and-place machines. International Journal of Production Research, 2014, 52, 1016-1031.	7.5	9
14	Modelling and a tabu search solution for the slab reallocation problem in the steel industry. International Journal of Production Research, 2013, 51, 4405-4420.	7.5	9
15	A new GRASP and path relinking for single machine scheduling with sequence dependent setups. , 2013, , .		2
16	Component Placement Process Optimization for Multi-Head Surface Mounting Machine Based on Tabu Search and Improved Shuffled Frog-Leaping Algorithm. , 2011, , .		3