Philippe Thomas

List of Publications by Year
in descending order

36 papers	**342** citations	1039406 **9** h-index	887659 **17** g-index
37 all docs	**37** docs citations	**37** times ranked	**220** citing authors

#	Article	IF	Citations
1	Toward digital twins for sawmill production planning and control: benefits, opportunities, and challenges. International Journal of Production Research, 2023, 61, 2190-2213.	4.9	10
2	Dissimilarity to Class Medoids as Features for 3D Point Cloud Classification. IFIP Advances in Information and Communication Technology, 2021, , 573-581.	0.5	1
3	Coupling digital simulation and machine learning metamodel through an active learning approach in Industry 4.0 context. Computers in Industry, 2021, 133, 103529.	5.7	9
4	Multicriteria decision-making method for scheduling problem based on smart batches and their quality prediction capability. Computers in Industry, 2021, 133, 103549.	5.7	12
5	A kNN approach based on ICP metrics for 3D scans matching: an application to the sawing process. IFAC-PapersOnLine, 2021, 54, 396-401.	0.5	9
6	Relearning procedure to adapt pollutant prediction neural model: Choice of relearning algorithm. , 2019, , .		6
7	Using Analytic Hierarchical Process for Scheduling Problems Based on Smart Lots and Their Quality Prediction Capability. Studies in Computational Intelligence, 2019, , 337-348.	0.7	2
8	Demand Forecasting using Artificial Neuronal Networks and Time Series: Application to a French Furniture Manufacturer Case Study. , 2019, , .		3
9	Using a classifier ensemble for proactive quality monitoring and control: The impact of the choice of classifiers types, selection criterion, and fusion process. Computers in Industry, 2018, 99, 193-204.	5.7	16
10	A Case Study of Intelligent Manufacturing Control Based on Multi-agents System to Deal with Batching and Sequencing on Rework Context. Studies in Computational Intelligence, 2018, , 63-75.	0.7	6
11	An Iterative Closest Point Method for Measuring the Level of Similarity of 3D Log Scans in Wood Industry. Studies in Computational Intelligence, 2018, , 433-444.	0.7	3
12	Reconfiguration process for neuronal classification models: Application to a quality monitoring problem. Computers in Industry, 2016, 83, 78-91.	5.7	10
13	Limiter l'impact de la non-qualité sur la gestion des flux de production dans les ateliers à forts taux de reprises. application au cas d'un fabricant de mobiliers laqués de très haute qualité. Journal Europeen Des Systemes Automatises, 2016, 49, 181-198.	0.3	0
14	Reduced simulation model for flow analysis in a sawmill internal supply chain. , 2015, , .		3
15	Gradient-based controllers for timed continuous Petri nets. International Journal of Systems Science, 2015, 46, 1661-1678.	3.7	4
16	A New Multilayer Perceptron Pruning Algorithm for Classification and Regression Applications. Neural Processing Letters, 2015, 42, 437-458.	2.0	39
17	CART for Supply Chain Simulation Models Reduction. IFIP Advances in Information and Communication Technology, 2014, , 530-537.	0.5	2
18	Flow Disturbance Analysis in Workshops with High Reworks Rate. IFIP Advances in Information and Communication Technology, 2014, , 280-287.	0.5	0

#	Article	IF	Citations
19	Improving production process performance thanks to neuronal analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 432-437.	0.4	4
20	Variance Sensitivity Analysis of Parameters for Pruning of a Multilayer Perceptron: Application to a Sawmill Supply Chain Simulation Model. Advances in Artificial Neural Systems, 2013, 2013, 1-17.	1.0	2
21	An Approach to Data Mining for Product-driven Systems. Studies in Computational Intelligence, 2013, , 181-194.	0.7	2
22	One approach of data-mining for Product Driven Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 722-727.	0.4	4
23	A neural network for the reduction of a product-driven system emulation model. Production Planning and Control, 2011, 22, 767-781.	5.8	12
24	Multilayer perceptron for simulation models reduction: Application to a sawmill workshop. Engineering Applications of Artificial Intelligence, 2011, 24, 646-657.	4.3	19
25	How deals with discrete data for the reduction of simulation models using neural network. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1172-1177.	0.4	2
26	Simulation Reduction Models Approach Using Neural Network. , 2008, , .		4
27	Commande des feux de signalisation par réseaux de Petri hybrides. Journal Europeen Des Systemes Automatises, 2008, 42, 579-612.	0.3	0
28	Continuous and timed Petri nets for the macroscopic and microscopic traffic flow modelling. Simulation Modelling Practice and Theory, 2005, 13, 407-436.	2.2	87
29	Neural networks for local monitoring of traffic magnetic sensors. Control Engineering Practice, 2005, 13, 67-80.	3.2	16
30	PARAMETERS ESTIMATION FOR TIMED AND CONTINUOUS PETRI NETS: APPLICATION TO THE IDENTIFICATION AND MONITORING OF HYBRID SYSTEMS. Cybernetics and Systems, 2005, 36, 217-250.	1.6	1
31	Fault detection and isolation in non-linear systems by using oversized neural networks. Mathematics and Computers in Simulation, 2002, 60, 181-192.	2.4	6
32	Optimal neural networks architectures for the flow–density relationships of traffic models. Mathematics and Computers in Simulation, 2002, 60, 401-409.	2.4	10
33	Neural Modeling of an Induction Furnace Using Robust Learning Criteria. Integrated Computer-Aided Engineering, 1999, 6, 15-26.	2.5	9
34	Accommodation to outliers in identification of non linear SISO systems with neural networks. Neurocomputing, 1997, 14, 85-99.	3.5	7
35	On-line fault diagnosis of dynamic systems via robust parameter estimation. Control Engineering Practice, 1995, 3, 1709-1717.	3.2	16
36	Neural Network Architectures and Feature Extraction for Lumber Production Prediction. , 0, , .		6