

# Teodor Tiplica

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

696  
citations

1464605

7  
h-index

759306

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

720  
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Blood Pressure Estimation Approach Using PPG Sensors: Subject Specific Evaluation over a Long-term Period. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 45-63.	0.2	1
2	Towards a Smartwatch for Cuff-Less Blood Pressure Measurement Using PPG Signal and Physiological Features. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 67-76.	0.2	2
3	A decision fusion based methodology for fault Prognostic and Health Management of complex systems. Applied Soft Computing Journal, 2019, 83, 105622.	4.1	8
4	Detection of Faults and Drifts in the Energy Performance of a Building Using Bayesian Networks. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	7
5	A generic framework for decision fusion in Fault Detection and Diagnosis. Engineering Applications of Artificial Intelligence, 2018, 71, 73-86.	4.3	37
6	Model-based fault detection and diagnosis of complex chemical processes: A case study of the Tennessee Eastman process. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 742-760.	0.7	7
7	Road conditionality and personality: an exploratory study among young male and female French drivers. Safety and Reliability, 2018, 38, 182-199.	1.0	5
8	A New Multi-Objective Decision-Making Approach Applied to the Tennessee Eastman Process. IFAC-PapersOnLine, 2018, 51, 1212-1219.	0.5	3
9	Generic framework for hybrid fault diagnosis and health monitoring of the Tennessee Eastman Process. , 2017, , .		1
10	A bond graph modeling for health monitoring and diagnosis of the Tennessee Eastman process. , 2017, , .		3
11	Weighted Wavelets Coefficients for Monitoring Process Mean. IFAC-PapersOnLine, 2016, 49, 819-823.	0.5	1
12	Bridging data-driven and model-based approaches for process fault diagnosis and health monitoring: A review of researches and future challenges. Annual Reviews in Control, 2016, 42, 63-81.	4.4	270
13	OWave control chart for monitoring the process mean. Control Engineering Practice, 2016, 54, 223-230.	3.2	4
14	Design of experiments and statistical process control using wavelets analysis. Control Engineering Practice, 2016, 49, 129-138.	3.2	28
15	Conditionality and risk for the pedestrian: modelling with the Bayesian networks. International Journal of Injury Control and Safety Promotion, 2015, 22, 340-351.	1.0	7
16	ARL <sub>1</sub> of the Attribute c Control Chart with Estimated Parameter. International Journal of Reliability, Quality and Safety Engineering, 2015, 22, 1550009.	0.4	3
17	Conditional respect towards the pedestrian: difference between men and women and risk modeling by the Bayesian approach. Quality and Quantity, 2014, 48, 91-110.	2.0	18
18	Fault detection and isolation of faults in a multivariate process with Bayesian network. Journal of Process Control, 2010, 20, 902-911.	1.7	84

#	ARTICLE	IF	CITATIONS
19	Fault diagnosis of industrial systems by conditional Gaussian network including a distance rejection criterion. Engineering Applications of Artificial Intelligence, 2010, 23, 1229-1235.	4.3	35
20	New informative features for fault diagnosis of industrial systems by supervised classification. , 2010, , .		3
21	Fault detection of univariate non-Gaussian data with Bayesian network. , 2010, , .		3
22	Decision with Bayesian network in the concurrent faults event. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 306-311.	0.4	2
23	Fault detection and identification with a new feature selection based on mutual information. Journal of Process Control, 2008, 18, 479-490.	1.7	132
24	Distance rejection in a bayesian network for fault diagnosis of industrial systems. , 2008, , .		5
25	Procedure based on mutual information and bayesian networks for the fault diagnosis of industrial systems. Proceedings of the American Control Conference, 2007, , .	0.0	7
26	Fault diagnosis of industrial systems with bayesian networks and mutual information. , 2007, , .		4
27	Fault Diagnosis with Bayesian Networks: Application to the Tennessee Eastman Process. , 2006, , .		8
28	FDI in Multivariate Process with Naive Bayesian Network in the Space of Discriminant Factors. , 2006, , .		3
29	Spectral Control Chart. Quality Engineering, 2005, 17, 695-702.	0.7	3
30	Multivariate Process Control Using the FNAD Methodology. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 777-782.	0.4	0
31	Optimisation et ma@trise des processus multivari@s. La m@thode FNAD. Journal Europeen Des Systemes Automatises, 2003, 37, 477-500.	0.3	2