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Process Control Instrumentation

TITLE	CITED BY	YEAR
Application of deep neural techniques in predictive modeling for the estimation of <i>Escherichia coli</i> growth rate M Chitra, S Sutha, N Pappa Journal of Applied Microbiology		2020
Online Optimal Adaptive Control of a Class of Uncertain Nonlinear Discrete-time Systems R Moghadam, P Natarajan, K Raghavan, S Jagannathan 2020 International Joint Conference on Neural Networks (IJCNN), 1-6		2020
Control of an Industrial-type Multicomponent Crude Distillation Column using Biggest Log Modulus Tuning A Abraham, G Muralidharan, N Pappa IFAC-PapersOnLine 53 (1), 640-647		2020
Estimation of fungal biomass using multiphase artificial neural network based dynamic soft sensor C Murugan, P Natarajan Journal of microbiological methods 159, 5-11	6	2019
Implementation of Embedded Soft Sensor for Bioreactor on Zynq Processing System VVSV Krishna, N Pappa, SPJV Rani 2018 International Conference on Recent Trends in Electrical, Control and ...	2	2018
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Reduced order modelling and predictive control of multivariable nonlinear process A Abraham, N Pappa, D Honc, R Sharma Sādhanā 43 (3), 41	6	2018
Efficient Technique for Model Order Reduction Retaining Non-Minimum Phase Characteristics	1	2018

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<p>Dissolved oxygen control of batch bioreactor using model reference adaptive control scheme</p> <p>M Chitra, N Pappa, A Abraham</p> <p>IFAC-PapersOnLine 51 (4), 13-18</p>	4	2018
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<p>Automation and Design of Real-Time Controllers for a Laboratory Scale Bioreactor</p> <p>K Visali, M Chitra, N Pappa</p> <p>2017 International Conference on Innovations in Control, Communication and ...</p>		2017
<p>An Adaptive Gain Scheduled PID Controller for PWR type of Nuclear Reactor</p> <p>R Divya, N Pappa, V Govindan</p> <p>2017 International Conference on Innovations in Control, Communication and ...</p>		2017
<p>An artificial intelligence based improved classification of two-phase flow patterns with feature extracted from acquired images</p> <p>C Shanthi, N Pappa</p> <p>ISA transactions 68, 425-432</p>	15	2017
<p>SVPWM: torque level controlling of wind turbine system using fuzzy and ABC-DQ transformation</p> <p>P Bhanu, N Pappa</p>	4	2017

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<p>IMAGE ANALYSIS BASED MEASUREMENT OF COAL FLOW RATE</p> <p>C Shanthi, N Pappa, K Elavarasi, S Ganesan</p> <p>Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March 100, 102</p>		2016
<p>A hybrid method for determination of effective poles using clustering dominant pole algorithm</p> <p>A Abraham, N Pappa, D Honc, R Sharma</p> <p>Int. J. of Math., Computational, Natural and Physical Eng 7 (3), 102-106</p>	3	2015
<p>QFT Based Controller Design for Class of Nonlinear Uncertain System</p> <p>T Babu, M Suresh, N Pappa</p> <p>Middle-East Journal of Scientific Research 23, 249-256</p>	2	2015
<p>EE-Hybrid MAC Protocol for Wireless Sensor Networks.</p> <p>P Chelliah, P Natarajan, GJ Sundar</p> <p>Applied Mechanics & Materials</p>		2014
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<p>Fault diagnosis of batch reactor using machine learning methods</p> <p>S Subramanian, F Ghouse, P Natarajan</p> <p>Modelling and Simulation in Engineering 2014</p>	5	2014
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