

PUBLICATION DETAILS

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1. Kamal Chakkarapani, Thyagarajan Thangavelu, Kalpana Dharmalingam .: Thermal analysis of brushless DC motor using multiobjective optimization, International Transactions on Electrical Energy Systems 30 (10), 2020, e12546.
2. Sreepadha Chandrasekharan, Rames C Panda, Bhuvaneswari Natrajan Swaminathan, Atanu Panda, T Thyagarajan .: Parametric identification of integrated model of a coal-fired boiler in a thermal power plant, Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2020, 520-533.
3. Kalpana Dharmalingam, Thyagarajan Thangavelu .: Parameter estimation using relay feedback, Reviews in Chemical Engineering 35 (4), 2019, 505-529.
4. Kamal Chakkarapani, Thyagarajan Thangavelu, Kalpana Dharmalingam, Pragadheeshwaran Thandavarayan .: Multiobjective design optimization and analysis of magnetic flux distribution for slotless permanent magnet brushless DC motor using evolutionary algorithms, Journal of Magnetism and Magnetic Materials, 476, 2019, 524-537.
5. C Kamal, D Amudhavalli, T Thyagarajan .: Reformed Stator Design of BLDC Motor for Cogging Torque Minimization Using Finite Element Analysis, 4th International Conference on Electrical Energy Systems (ICEES), 2018, 481-484.
6. A Manonmani, T Thyagarajan, M Elango, S Sutha .: Modelling and control of greenhouse system using neural networks, Transactions of the Institute of Measurement and Control 40 (3), 2018, 918-929.
7. R Sabitha, K Bhuma, T Thyagarajan .: Transmission power control using state estimation-based received signal strength prediction for energy efficiency in wireless sensor networks, Turkish Journal of Electrical Engineering & Computer Sciences 25 (1), 2017, 591-604.
8. A Manonmani, T Thyagarajan, S Sutha .: ANN based modeling and control of GHS for winter climate, Trends in Industrial Measurement and Automation (TIMA), 2017, 1-7.
9. S Ramakrishnan, V Akshaya, S Kishor, T Thyagarajan .: Real time implementation of arrhythmia classification algorithm using statistical methods, Trends in Industrial Measurement and Automation (TIMA), 2017, 1-4
10. BST Selvi, D Kalpana, T Thyagarajan .: Modeling and prediction of boiler drum in a thermal power plant, Trends in Industrial Measurement and Automation (TIMA), 2017, 1-6.
11. D Kalpana, T Thyagarajan, N Venkatachalam .: Design of fractional order PI controller for MIMO system using relay feedback, Trends in Industrial Measurement and Automation (TIMA), 2017, 1-7
12. C Kamal, T Thyagarajan, M Selvakumari, D Kalpana .: Cogging torque minimization in brushless DC motor using PSO and GA based optimization, Trends in Industrial Measurement and Automation (TIMA), 2017, 1-5.

13. RC Panda, T Thyagarajan .: An Introduction to Process Modelling Identification and Control for Engineers, Alpha Science International Limited, 2017
14. A Manonmani, T Thyagarajan, S Sutha .: Evolutionary Algorithm-Based Multi-objective Control Scheme for Food Drying Process, International Journal of Food Engineering 13 (1), 2017.
15. A Manonmani, T Thyagarajan, S Sutha, V Gayathri .: Design of soft computing based optimal pi controller for greenhouse system, Circuits and Systems 7 (11), 3431-3447, 2016
16. KALPANA DHARMALINGAM, THYAGARAJAN THANGAVELU, THENRAL RAMESH BABU .: Improved identification and control of 2-by-2 MIMO system using relay feedback, Journal of Control Engineering and Applied Informatics 17 (4), 2015, 23-32.
17. D Kalpana, T Thyagarajan, N Gokulraj .: Modeling and control of non-square MIMO system using relay feedback, ISA transactions 59, 2015, 408-417
18. R Sabitha, KT Bhuma, T Thyagarajan .: Design and analysis of fuzzy logic and neural network based transmission power control techniques for energy efficient wireless sensor networks, Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA), 2015, 295-303.