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1. L.Maheswari, R.Srinivas ,N.Sivakumaran, G.Saravanailango, C.Nagamani, A control Strategy to enhance the Life Time of the Battery in a Stand-alone PV System with DC Loads, IET Power Electronics,10 (9),pp.1087-1094,2017.
2. E.Sathish, N.Sivakumaran, Sishaj P Simon, S.Raghavan, Genetic algorithm based feature selection for classification of focal and non-focal intracranial Electroencephalographic signals, Journal of Scientific and Industrial Research,76,pp. 614 - 619,2017.
3. E.Sathish, N.Sivakumaran, S.Sankaranarayanan, Grey wolf optimization based parameter selection for support vector machines, International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 35(5), pp.1513-1523, 2016.
4. E.Sathish, N.Sivakumaran, K.Radhakrishnan, S.Raghavan, T.K.Radhakrishnan, Importance of classification algorithms in epileptic seizure detection, Journal of Bioengineering and Biomedical, 6(3), pp. 1-2, 2016.
5. Chinmay Sahu, V.Kirubhakaran, T.K.Radhakrishnan, N.Sivakumaran, Energy Efficient Model Predictive Control of Heating Ventilation and Air Conditioning System, Ecotoxicology and Environmental Safety, 121,pp. 236-243,2015.
6. Chinmay Sahu,V.Kirubhakaran,T.K.Radhakrishnan,N.Sivakumaran, Explicit Model Predictive Control of Split-type Air Conditioning System, Transactions of the Institute of Measurement and Control, 32 (3), pp.1-9,2015.
7. C.Ahilan, S.Kumanan, N.Sivakumaran, J.Edwin Raja Dhas, <u>Performance Assessment of Heat Exchanger using Intelligent Decision making tools</u>, Journal on Applied Soft computing, Elsevier, 26, 474-482, 2015.
8. V.Kirubhakaran,T.K.Radhakrishnan, N.Sivakumaran, A Metaheuristic Patient Estimation Based Patient Specific Fuzzy Aggregated Artificial Pancreas Design, Industrial & Engineering Chemistry Research I&EC Res (ACS), 53(39), 15052–15070,2014.
9. V.Kirubhakaran, T.K.Radhakrishnan, N.Sivakumaran, Distributed Multiparametric Model Predictive Control Design for a Quadruple tank process, Measurement, 47, 841-854, Elsevier, 2014.
10. V.Kirubhakaran, T.K.Radhakrishnan, N.Sivakumaran, Multiparametric Model Predictive Control based regulation of Blood Glucose in type 1 Diabetics under unmeasured meal Disturbances: A Simulation Study, Int. J. Biomedical Engineering and Technology, Inderscience, 14(2), 2014.
11. AAB Raj, JAV Selvi, D Kumar,N Sivakumaran, Mitigation of beam fluctuation due to atmospheric turbulence and prediction of control quality using intelligent decision-making tools, Applied Optics 53 (17), pp.3796-3806,2014.
12. C.Ahilan, S.Kumanan, N.Sivakumaran, J.Edwin Raja Dhas, Modeling and prediction of machining quality in CNC turning process using intelligent hybrid decision making tools, Journal on Applied Soft computing, Elsevier, 13,1543-1551, 2013.

13. T.Vinopraba, N.Sivakumaran, S.Narayanan, T.K.Radhakrishnan, Design of internal model control based fractional order PID controller, Journal of Control Theory and Applications, 10 (3), 297-302, 2012.
14. Rajni Jain, T.Vinopraba, T.K.Radhakrishnan, N.Sivakumaran, Design of Fuzzy-PI Controllers for MIMO Process, Control and Intelligent Systems, ACTA Press, 40 (4), 1-9, 2012.
15. Nithya Venkatesan, N.Sivakumaran, P Sivashanmuguham, Experimental Study of Temperature Control using Soft Computing, International Journal of Computer Applications,52(9),2012.
16. Rajni Jain, N. Sivakumaran, T.K.Radhakrishnan, Design of self-tuning fuzzy controllers for nonlinear systems, Expert Systems with Applications, Elsevier 38, 4466–4476, 2011.