Dr.V.SENTHILKUMAR

Professor, Department of Electrical and Electronics Engineering, College of Engineering Guindy, Anna University, Chennai from May-2016.

Papers Published in Journals

Research Papers Published in International Journals   21
Research Papers Published in National Journals   0

1. Senthil Kumar V, Mohan M. R, " Two level crossover genetic algorithm for unit commitment problem", WSEAS Transactions on Computers, Vol. 2, Issue 3, pp. 554-559 (2003).

2. Senthil Kumar V, Mohan M. R, "Genetic algorithm with improved lambda-iteration technique to solve the unit commitment problem", International Journal of Electrical and Power Engineering, Vol. 2, Issue 2, pp. 85-91 (2008).

3. Senthil Kumar V, Mohan M. R, " Security constrained optimal short-term hydro-thermal scheduling using decomposition approach and GA based OPF", Journal Electrical Systems, Vol. 5, (2009), Issue 2.

4. Senthil Kumar V, Mohan M. R, "Application of hybrid evolutionary programming technique to solve the unit commitment problem", International Journal of Electrical Engineering and Embedded Systems, Vol. 2, Issue 2, pp. 175-182 (2010).

5. Senthil Kumar V, Mohan M. R, " Security constrained short-term hydrothermal scheduling with pumped hydro plant using genetic algorithm", International Journal of Electrical Engineering and Embedded Systems, Vol. 2, Issue 2, pp. 165-174 (2010).

6. Senthil Kumar V, Mohan M. R, "Solution to security constrained unit commitment problem using genetic algorithm", International Journal of Electric Power and Energy Systems, published by Elsevier - Science Direct. Vol. 32, pp. 117-125 (2010).

7. Senthil Kumar V, Mohan M. R, "A genetic algorithm solution to the optimal short-term hydrothermal scheduling", International Journal of Electric Power and Energy Systems, published by Elsevier - Science Direct. Vol. 33, pp. 827-839 (2011).

8. R. Ganesh, V. Senthil Kumar, "Evaluation of STATCOM for Gird Connected PV System", Journal of Theoretical and Applied Information Technology, Vol. 67, pp. 683 - 689 (2014).

9. K. Karthikumar, V. Senthil Kumar, M. Karuppiah, A, Arunbalaj, S. Krishnakumar, "Modeling of Solar Panel As Generalised Structure", International Journal of Applied Engineering Research, Vol. 10, Issue 14, pp. 34244 34250 (2015).

10. Prabakaran. S, Senthilkumar. V, Baskar, G, "Economic Dispatch using Hybrid Particle Swarm Optimization with Prohibited Operating Zones and Ramp rate limit constraints", Journal of Electrical Engg Technology, Vol. 10, Issue 4, pp. 1441-1452 (2015).

11. Prabakaran. S, Senthilkumar, V, "Hybrid PSO Algorithm with Tabu search for Economic and Emission Dispatch Problems", International Journal of Applied Engineering Research, Vol. 10, Issue 7, pp. 17533-17551 (2015).

12. Prabakaran. S, Senthilkumar. V, " Optimal Load Dispatch Using Hybrid PSO Technique for Thermal Scheduling Problems", International Journal of Current Research, Vol. 5, Issue 5, pp. (2015) 1294-1297.

13. C. R. Amudha, Dr. V. Senthil kumar, " ABC Algorithm Based Voltage Stability Enhancement Strategy For Distribution System ", International Journal of Applied Engineering Research, published by Research India Publications. Vol. 7, pp. 18679-18690)2015(.

14. D. Sunitha, V. Senthilkumar, " Comparative analysis of voltage source and current source converter based Unified power quality conditioner for mitigating power quality problems", International Journal of Control Theory and Applications, Vol. 9, Issue 16, pp. 7979-7988)2016(.

15. Anuradha. T, Senthilkumar. V, Deivasundari. P, "Bisection Method Based Modified Perturb and Observe MPPT Algorithm for a PV Generation System with an Interleaved, Isolated DC – DC Converter", Australian Journal of Basic & Applied Sciences, Vol. 10, Issue 5, pp. 76 - 82)2016(.

16. Anuradha. T, Senthilkumar. V, Deivasundari. P, "A Comparison of Existing MPPT Techniques for a PV System with Interleaved Converter", Australian Journal of Basic & Applied Sciences, Vol. 10, Issue 5, pp. 69 - 75)2016(.

17. Anuradha. T, Senthilkumar. V, Deivasundari. P, "Zero Voltage Switching-Pulse Width Modulation Technique-Based Interleaved Flyback Converter for Remote Power Solutions", IET Power Electronics, Vol. 9, Issue 7, pp. 1381 - 1390)2016(.

18. R. Ganesh, V. Senthil Kumar, "Reactive Power Compensation Using Fuzzy Gain Scheduling Controlled STATCOM for Gird Connected PV System", Asian Journal of Research in Social and Humanities, Vol. 6, Issue 11, pp. 787 - 802)2016(.

19. R. Ganesh, V. Senthil Kumar, "Fuzzy Gain Scheduling Controlled STATCOM for Grid Connected SPV Systems", Asian Journal of Information Technology, Vol. 15, Issue 7, pp. 1151 1159 - (2016).

20. D. Sunitha, V. Senthilkumar, C. Subramani, " Optimal placement and parameter setting of facts device using particle swarm technique for power system stability problems", Journal of Electrical Engineering, Vol. 17, Issue 4, pp. 348 - 351)2017(.

21. Anuradha. T, Senthilkumar. V, Deivasundari. P, " Linear open circuit voltage-variable step-size-incremental conductance strategy based hybrid MPPT controller for remote power applications", IET Power Electronics, Vol. 10, Issue 11, pp. 1363 - 1376)2017(.