

1. Vijayalakshmi, V., and A. Senthilkumar. "USCDRP: unequal secure cluster-based distributed routing protocol for wireless sensor networks." *The Journal of Supercomputing* 76.2 (2020): 989-1004.
2. Chinnasamy, N. V., and A. Senthilkumar. "Secured distributed routing technique using extended DART and table elimination (ET-DART) technique in wireless sensor networks environment." *The Journal of Supercomputing* 76.2 (2020): 915-931.
3. Saravanan, K., et al. "Hardware Based Cyber System Using High Performance Crypto Hash Bloom Filter for Network Security and Privacy Preserving Applications." *A Handbook of Internet of Things in Biomedical and Cyber Physical System*. Springer, Cham, 2020. 39-59.
4. Brindha, P., and A. Senthilkumar. "Data dependability based bimodal encryption scheme for distributed routing in wireless sensor networks." *Peer-to-Peer Networking and Applications* (2019): 1-10.
5. Jesudurai, S. Anthony, and A. Senthilkumar. "An improved energy efficient cluster head selection protocol using the double cluster heads and data fusion methods for IoT applications." *Cognitive Systems Research* 57 (2019): 101-106.
6. Senthilkumar, A. C., et al. "Malignant peripheral nerve sheath tumour—A case report." *International journal of surgery case reports* 64 (2019): 161-164.
7. Saravanan, K., et al. "Hardware Based Cyber System Using High Performance Crypto Hash Bloom." *A Handbook of Internet of Things in Biomedical and Cyber Physical System* 165 (2019): 39.
8. Abirami, R., R. Manimegali, M. Vidhyadharshini, AM Senthil Kumar, MS Vijay Kumar, and S. Santhiya. "Data Integrity Protection for Wireless Sensor Network Using Key Establishment Scheme." *International Journal of Engineering Research and Advanced Technology-IJERAT (ISSN: 2454-6135)* 4, no. 3 (2018): 01-04.
9. SenthilKumar, A. M., M. S. Vijaykumar, M. Akilandeewari, K. Deepa, R. Kalaivani, G. Subashini, and M. Geetha. "Cavernous Erudition Hierarchical Representations for Image Steganalysis." (2018).
10. Divyatharshini, G., Tamil Nadu, P. Gokila Devi, S. Srimathi, A. M. SenthilKumar, R. Sureshkumar, and M. S. Vijaykumar. "An Efficient Community Question Answer (CQA) using the Metadata Rating." (2018).
11. Munesswari, N., S. Ishwarya, M. Karthikpriya, A. M. Senthilkumar, and M. Saravanakumar. "Deadlock recovery and mutual exclusion with Atomic operations of cloud storage." (2018).
12. Gayathri, S., and A. Senthilkumar. "VLSI Implementation of Watermarking Algorithm Using Phase Congruency and Singular Value Decomposition." *SSRG International Journal of Electrical and Electronics Engineering, Special Issue* (2018): 66-71.
13. Mahendran, S., A. Senthilkumar, and R. Jeyapaul. "Analysis of lean manufacturing in an automobile industry-a case study." *International Journal of Enterprise Network Management* 9.2 (2018): 129-142.
14. Jansirani, G., and A. Senthilkumar. "CLASSIFICATION OF POSSIBLE ATTACKS AND PREVENTION METHODS IN DIGITAL WATERMARKING." *International Journal of Advanced Research in Computer Science* 8.8 (2017).
15. Priya, R. Shanmuga, and A. Senthilkumar. "ANALYSIS OF APPLICATIONS USING VISUAL SECRET SHARING FOR SECURITY." *International Journal of Advanced Research in Computer Science* 8.8 (2017).
16. Sasireka, M., and A. Senthilkumar. "BEAT CLASSIFICATION USING HYBRID WAVELET TRANSFORM BASED FEATURES AND SUPERVISED LEARNING APPROACH." *JOURNAL OF ADVANCES IN CHEMISTRY* 13.8 (2017): 6397-6405.
17. Nandhakumar, A., and A. Senthilkumar. "A Stochastic Diffused Motion Estimation Method for h. 264/AVC Encoder in Telemedicine using VLSI." *RESEARCH JOURNAL OF BIOTECHNOLOGY* 12 (2017): 252-257.
18. Logeswaran, T., and A. Senthilkumar. "Grid connected photovoltaic systems power quality improvement using adaptive control strategy." *International Journal of Bio-Inspired Computation* 10.3 (2017): 188-204.

19. Brindha, Palanisamy, and Athappan Senthilkumar. "High Speed and Low Power Architecture for Network Intrusion Detection System." *Circuits and Systems* 7.8 (2016): 1324-1333.
20. Paramasivam, Sivaranjani, Senthilkumar Athappan, Eswari Devi Natrajan, and Maheswaran Shanmugam. "Optimization of Thermal Aware VLSI Non-Slicing Floorplanning Using Hybrid Particle Swarm Optimization Algorithm-Harmony Search Algorithm." *Circuits and Systems* 7, no. 5 (2016): 562-573.
21. Kirthika, A., A. Senthilkumar, and T. Nithya. "DWT based watermarking system for video authentication using region of interest." *Middle-East Journal of Scientific Research* 24 (2016): 166-170.
22. Jesudurai, S. Anthony, A. Senthilkumar, and A. Puviarasu. "An Effective Data Communication Using IEEE 802.15. 4 For Wireless Sensor Network." *Advanced Research Trends in Engineering and Technology (IJARTET)* 3.7 (2016): 6-12.
23. Jesudurai, S. Anthony, A. Senthilkumar, and A. Puviarasu. "Journal of Signal Processing and Wireless Networks." *Journal of Signal Processing* 1.2 (2016): 35-39.
24. Vijayakumar, P., and A. V. Senthilkumar. "Threshold based filtering technique for efficient moving object detection and tracking in video surveillance." *Int. J. Res. Eng. Technol* 5.2 (2016): 303-310.
25. Naveen, P., K. Gomathi, A. Senthilkumar, and S. Thangavel. "Sitting posture health monitoring for scoliosis patients using capacitive micro accelerometer." *Наносистемы: физика, химия, математика* 7, no. 3 (2016).
26. Lakshmi, P. Vidhya, and A. Senthil Kumar. "An feed forward model for fabric defect detection using region based texture similarity matrix and gabor filters." *Asian Journal of Research in Social Sciences and Humanities* 6.6special (2016): 302-312.
27. Monika, R., M. Sasireka, SJ Suji Prasad, and A. Senthilkumar. "Multi-objective particle swarm optimization based PID tuning of ball and beam system." *Journal of Control & Instrumentation* 7, no. 1 (2019): 35-40.
28. Sivaranjani, P., and A. Senthilkumar. "3D VLSI Non-Slicing Floorplanning using Modified Corner List Representation." *Indian Journal of Science and Technology* 8.35 (2015): 1.
29. Logeswaran, T., A. Senthilkumar, and P. Karuppusamy. "Adaptive neuro-fuzzy model for grid-connected photovoltaic system." *International Journal of Fuzzy Systems* 17.4 (2015): 585-594.
30. Sivaranjani, P., and A. Senthil Kumar. "Thermal-aware non-slicing VLSI floorplanning using a smart decision-making PSO-GA based hybrid algorithm." *Circuits, Systems, and Signal Processing* 34.11 (2015): 3521-3542.
31. Sakthivel, Aruchamy, P. Vijayakumar, A. Senthilkumar, L. Lakshminarasimman, and S. Paramasivam. "Experimental investigations on ant colony optimized PI control algorithm for shunt active power filter to improve power quality." *Control Engineering Practice* 42 (2015): 153-169.
32. Saravanan, K., and A. Senthilkumar. "Security enhancement in distributed networks using link-based mapping scheme for network intrusion detection with enhanced Bloom filter." *Wireless Personal Communications* 84.2 (2015): 821-839.
33. Saravanan, K., and A. Senthilkumar. "An efficient parallel prefix matching architecture using Bloom filter for multi-bit trie IP lookup algorithm in FPGA." *Optoelectronics and Advanced Materials-Rapid Communications* 9.May-June 2015 (2015): 803-807.
34. Saravanan, K., and A. Senthilkumar. "An Insight Review on Bloom Filter and Its Variants with Applications: An Emerging Hash Based Membership Querying Technique." *Journal of Discrete Mathematical Sciences and Cryptography* 18.3 (2015): 247-263.
35. Sakthivel, A., P. Vijayakumar, and A. Senthilkumar. "Performance Assessment of Direct and Indirect Current Control Strategies for Shunt Active Power Filter." *J. Eng. Appl. Sci* 10 (2015): 4243-4250.
36. Poongothai, K., K. Vijayakumar, and A. Senthilkumar. "Enhancement of power quality using shunt active power filter for microgrid application." *2015 International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)*. IEEE, 2015.

37. Vijaya, S., A. Senthilkumar, Chennai Surapet, Tamil Nadu, and India V. Chandrasekar. "Discrete Kalman Filter Algorithm for Permanent Magnet Stepper Motor Involving Difference Equations." *Applied Mathematical Sciences* 9, no. 65 (2015): 3239-3247.
38. Senthilkumar, A., and K. Madhurabhasini. "Enhancing Security in Wireless Sensor Network Using Load Balanced Data Aggregation Tree Approach." (2015).
39. Ravichandran, S., A. Senthilkumar, and M. Arumugam. "Power quality improvement in wind-solar hybrid system using solid state transformer." *International Journal of Energy Technology and Policy* 11.3 (2015): 265-273.
40. Ravichandran, S., A. Senthilkumar, and M. Arumugam. "Performance evaluation of photovoltaic grid connected shunt active power filter." *International Journal of Energy Technology and Policy* 11.4 (2015): 380-386.
41. Logeswaran, T., A. Senthil Kumar, and R. Vasuki. "Implementation of High Efficiency Interleaved DC–DC Boost Converter with Voltage Doubler Cell and Clamped Circuit." *Middle-East Journal of Scientific Research* 23.2 (2015): 322-328.
42. Gomathi, K., A. Senthil Kumar, and M. Raghunath. "Design and Analysis of Micro accelerometer for Tool Condition Monitoring." *Applied Mechanics and Materials*. Vol. 787. Trans Tech Publications Ltd, 2015.