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Last 5 years publication details

1. Preparation of Chemically Modified Porous Carbon Networks Derived from Citrus Sinensis Flavedos as Electrode Material for Supercapacitor, Malathi Devendran, Senthil Kumar Kandasamy, Shanmugam Palanisamy, Sangavi Selvaraj, Ragavi Vetrivel, Roobak Selvarajan, Murugesan Govindasamy, Kannan Kandasamy International Journal of ELECTROCHEMICAL SCIENCE, Publisher: Int. J. Electrochem. Volume-15 March (2020) PP-4379 – 4387, doi: 10.20964/2020.05.08. Sci.,

2. A Novel Implementation of combined systolic and folded architectures for adaptive filters in FPGA, S.Gomathi, G.Murugesan, S.Sasikala, Microprocessors and Microsystems, Elsevier- Doi.org/10.1016/j.micro.2020.103018, February 2020. Sci, and Scopus

3. Discovery of Asteroids, Dr.Murugesan G, Dr. Maheswaran S, Selvapriya S, Sugunthan V, Vinith S, Vivek b, Satheesh.S, Jour of Advanced Research in Dynamical & Control Systems , Vol.no.12/ Issue no.1/ pp: 301-307, February & 2020. Scopus.

4. Design of Flexible Antenna for Wearable Applications, Dr.Murugesan G, Vijayalakshmi J, Dr. Dinesh V, Gnanasowndari B, Deepana A, Balaji S International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.no.9/Issue no.4/pp: 2919-2921,February & 2020.

5. Performance Analysis of Karatsuba Vedic Multiplier and Computation Sharing Multiplier in the Adaptive Filter Design, Gomathi S, Dr. Sasikala S, Dr.Murugesan G, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.no.9/Issue no.2/pp: 4425-4429, December 2019

6. Implementation of Efficient Architecture of Fine Grain Pipelined Lifting Scheme Based Two Dimensional Discrete Wavelet Transform, Anbumani V, Dr. Geetha V, Dr. Murugesan G, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.no.8/ Issue no.12/ pp: 225-229, October & 2019. Scopus.

7. Advanced Highly Reliable and Accurate Automated Billing System Using Spread Spectrum Technique, Pragash N. Nagaiyan, Dr. Murugesan G, International Journal of Applied Engineering Research, Vol.no.14/ Issue no.21/ pp: 4027-4029, October & 2019.

8. A miniaturized planar antenna with defective ground structure for UWB applications, Dinesh Venkatachalam, Murugesan Govindasamy, IEICE Electronics Express, Vol.no:14/Issue No:14/pp:1-6/July 2019. Scopus. , WoS.

9. A Miniaturized High-Gain (MHG) Ultra-Wideband Unidirectional Monopole Antenna for UWB Applications Authors J Vijayalakshmi, G Murugesan Publication date 2019 /3/12 Journal of Circuits, Systems and Computers Pages 1950230 Publisher World Scientific Publishing Company. SCI, Scopus. , WoS.

10. IoT Based online transformer Maintenance Systems, GM, KST, SSG, Indian Journal of Research V-9, Issue-1, PP-374-375, Jan 2019.

11. A CPW-Fed Hexagonal Antenna With Fractal Elements For UWB Applications Authors V Dinesh, G Murugesan Publication date 2019 Journal Appl. Math Volume 13 Issue 1 Pages 73 79 Scopus.

12. Improved Bandwidth and Gain in Ultra-wideband Staircase Antipodal Bowtie Antenna with Rounded Edge for Microwave Imaging Applications J Vijayalakshmi, G Murugesan 2018 Journal Appl. Math Volume 12 Issue 6 Pages 1197-1202. Scopus.

13. Studies on magnetoelectric coupling in lead-free [(0.5) BCT-(0.5) BZT]-NiFe2O4 laminated composites at low and EMR frequencies, Sowmya, N. Shara; Srinivas, A.; Saravanan, P.; Reddy, K. Venu Gopal; Kamat, S. V.; Praveen, J. Paul; Das, Dibakar; Murugesan, G.; Kumar, S. Dinesh; Subramanian, V., Published in Journal of Alloys and Compounds in April, 2018 DOI: 10.1016/J.JALLCOM.2018.01.402, WoS.

14. Image Segmentation Authors Kumaravel Subramaniam Tamilselvan, Govindasamy Murugesan Publication date 2018/7/4 Book Medical and Biological Image Analysis Publisher IntechOpen

15. Thermal Aware Test Data Compression using Code Based Compression Technique, A.Arulmurugan, Dr.G.Murugesan, V.Tharani, International Journal of Pure and Applied Mathematics, Academic Publications, April 2018, 118, 21D,3679-3680.

16. Android based vehicle speed control system in critical zones using GPS Technology, Dr.K.S.Tamilselvan, Dr.G.Murugesan, Mr.S.Sudhakar International Journal of Advanced Research in Electronics and Communication Engineering , Vol.no.7/issue no.6/pp 639-644,June 2018.

17. Genetic Algorithm-based thermal uniformity-aware X-filling to reduce peak temperature during testing, Mr.A.Arulmurugan, Mr.M.Govindasamy, International Journal, Measurement and Control, DOI:10.1177/0020294018784969, 2018. Scopus.

18. Detection of retinal area from scanning laser ophthalmoscope images (SLO) using deep neural network Authors V Ashok, G Murugesan Publication date 2017 Journal International Journal of Biomedical Engineering and Technology Volume 23 Issue 2-4 Pages 303-314 Publisher Inderscience Publishers (IEL) SCI., Scopus.

19. Efficient digit serial architecture for sign based least mean square adaptive filter for denoising of artefacts in ECG signals Authors S Sasikala, G Murugesan Publication date 2017 Journal International Journal of Biomedical Engineering and Technology Volume 23 Issue 2-4 Pages 335-344. SCI., Scopus. , WoS.

20. High performance VLSI architecture to improve contrast in digital mammographies using discrete wavelet transform Authors V Geetha, G Murugesan Publication date 2017 /11/16 Journal Biomedical Research (0970-938X) Volume 28. Scopus. , WoS.

21. Detection of retinal area from scanning laser ophthalmoscope images (SLO) using deep neural network Authors V Ashok G Murugesan Publication date 2017 Journal International journal of Biomedical Engineering and Technology Volume 23 Issue 4 Pages 303-314, WoS.

22. Performance analysis of Horner's rule-based canonical signed digit lifting architecture for two-dimensional discrete wavelet transform Authors V Geetha, G Murugesan Publication date 2017 Journal International Journal of Biomedical Engineering and Technology Volume 23 Issue 2-4 Pages 123-136. SCI., Scopus. , WoS.

23. Energy Efficient and Balanced Routing For Wireless Sensor Networks, Dr.G.Murugesan, Menaka, International Journal of Printing, Packing and Allied Sciences, 2017, 5,1,492-505.

24. FPGA implementation of gate level modified adaptive filter architecture for noise cancellation application, Gomathi S & Murugesan.G, Inderscience, International Journal of Manufacturing Technology and Management, 2017, DOI- 10.1504/IJMTM.2017.10011891

25. Embedded Based Semi Automatic Money denomination System, Dr.K.S.Tamilselvan and Dr.G.Murugesan, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 6, Issue 11, November 2017

26. Coplanar waveguide fed hexagonal shaped slot antenna for breast tumor detection Authors Dinesh G Murugesan Publication date 2016 Journal Journal of Advances in Chemistry Volume 12 Issue 22 Pages 5392-5397.

27. UWB slotted circular disc monopole antenna with inverted U shaped defected ground plane for brain cancer detection Authors J.Vijayalakshmi Dr.G.Murugesan Publication date 2016 Journal of Advances in Chemistry Volume 12 Issue 22 Pages 5408-5414.

28. Encounter Based Clustering with Cuckoo Search for Ad Hoc Communication in Wireless Health Informatics Authors RS Latha, G Murugesan Publication date 2016 /12/1 Journal Journal of Medical Imaging and Health Informatics Volume 6 Issue 8 Pages 1983-1989. SCI., Scopus. , WoS.

29. Multi-Metric Clustering in Mobile Ad-Hoc Networks using Firefly Optimization Algorithm Authors RS Latha G Murugesan Publication date 2016/ 11 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 11 Pages 630-641.

30. Smart Drinking Water Quality Maintenance System Authors KS Tamilselvan, G Murugesan Publication date 2016/10/5 Journal International Educational Scientific Research Journal Volume 2 Issue 10.

31. Lifting based 2d-Discrete Wavelet Transform for Image Compression based on Residue Number System Authors V.Geetha Dr.G.Murugesan Publication date 2016/10 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 10 Pages 700-712.

32. Energy Efficient and Collaborative Communication Protocol for Wireless Sensor Networks Authors SR Menaka, G Murugesan Publication date 2016 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 8 Pages 883-890 Publisher Asian Research Consortium

33. FPGA Implementation of Adaptive Filters using Partial Update Algorithm Authors S Gomathi, G Murugesan, S Sasikala Publication date 2016 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 10 Pages 325-339

34. Performance Analysis of Robust Recursive Least Square and its Lattice Structure for Noise Cancellation in ECG Signals Authors S Gomathi, G Murugesan, S Sasikala Publication date 2016 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 10 Pages 340-351.

35. A Fuzzy-Genetic Based Approach for Improving OLSR Routing Protocol in Mobile Adhoc Networks Authors RS Latha G Murugesan Publication date 2016 Journal Middle-East Journal of Scientific Research (Techniques and Algorithms in Emerging Technologies Pages 425-432

36. FPGA Implementation of Combination of Error Normalised Sign LMS and Zero Attractor-ENSLMS Algorithms for Denoising ECG Signals Authors S.Gomathi Dr.G.Murugesan, S.Sasikala Publication date 2016 Journal Asian Journal of Research in Social Sciences and Humanities Volume 6 Issue 9 Pages 683-697

37. Embedded System Based Smart Conveyer Belt Security System for Textile and Dyeing Industries Authors Dr. V. Ashok Dr. G. Murugesan, Dr. K. S. Tamilselvan Publication date 2016 Journal International Journal of Advanced Research in Computer Science and Software Engineering Volume 6 Issue 1 Pages 48 to 152

38. Development of Multi-model medical image fusion based CAD system for brain tumor identification, Dr.G.Murugesan, K.S.Tamilselvan, International Journal of Printing & Allied Sciences, Vol.4, No.5 Dec 2016

39. Dr.G.Murugesan, R.S.Latha, A Fuzzy-Genetic Based Approach for Improving OLSR Routing Protocol in Mobile Adhoc Networks, Middle-East Journal of Scientific Research (Techniques and Algorithms in Emerging Technologies), 425-432, 2016

40. A Novel Image Segmentation Algorithm for Clinical CT Images Using Wavelet Transform, Curvelet Transform and Multiple Kernel FCM Authors KS Tamilselvan, G Murugesan, K Kandasamy Publication date 2015 Journal Applied mathematical sciences Volume 9 Issue 48 Pages 2351-2362. Scopus.

41. Multimodality medical Image Fusion based on Neuro Fuzzy and Support Vector Machine, Dr.G.Murugesan, K.S.Tamilselvan, International Journal of Chemical and Pharmaceutical Sciences, 2015. Scopus.

42. Integrated wideband/narrowband DMS antennafor cognitive radio applications, Srithar A, Kanmani Ruby, and Murugesan G, International Journal of Applied Engineering Research PP-15542-15546, V-10, 1.1.2015. Scopus.