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List of Research publications in SCI and Web of Science Journals:

1. R. Suresh Kumar, P. Manimegalai “Near lossless image compression using parallel fractal texture identification”, Biomedical Signal Processing and Control, Vol.58, pp-1-9, January 2020.
2. Narmatha C, Manimegalai P & Manimurugan S “A Grayscale Image Hiding Encode Scheme for Secure Transmission” Current Signal Transduction Therapy, 2019, 14(2), 146-151.
3. Vijayalakshmi Yellepeddi & Manimegalai P & Sasidhar Babu Suvanam “Accurate Approach Towards Efficiency of Searching Agents in Digital Libraries Using Keywords” Journal of Medical Systems (2019) 43:164.
4. Brindha, V., T. Karthikeyan, and P. Manimegalai. "Fuzzy enhanced secure multicast routing for improving authentication in MANET." Cluster Computing (2018): 1-9.
5. S.Sathish kumar, P.Manimegalai, S.Karthik. “A rough set calibration scheme for energy effective routing protocol in mobile ad hoc networks.” Cluster Computing (2018): 1-7
6. T. Karthikeyan, Brindha, V, P. Manimegalai.” Investigation on maximizing packet delivery rate in WSN using cluster approach, Wireless personal Communications”pp-1-15, October 2018.
7. Dr.P.Manimegalai, Shine Augustine, Eldin Henry. “Estimation of physiological parameters and early prediction of cardiovascular risk from ECG and PPG signals.” pensee 76.8 (2014): 246-258.
8. Manimegalai P, Shine Augustine, Prajoona Valsalan, Shibi O. “Non invasive estimation of blood pressure using a linear regression model from the photoplethysmogram (PPG) signal”. Revista Perspectivas em Ciência da Informação (PERSPECTIVES IN INFORMATION SCIENCE) 22.4 (2017): 191-205 ISSN: 1413-9936

9. Suresh Kumar. R, Dr.Manimegalai. P, Dr.Kamalraj, S. “Implementation of neural network with ALE for EEG signal processing” *Perspectivas em Ciencia da Informacao* 22.5(2017): 37-47
ISSN: 1413-9936.
10. C.Narmatha, P.Manimegalai, Dr.Manimurugan. “A lossless compression scheme for grayscale medical images using a 2-bit short technique.” *Journal of Medical Imaging and Medical Informatics* 7(2017): 1-7.
11. A.Mahesh, Dr.P.Manimegalai. “A Deep Belief Network for classifying IoT Data”,*Revista de la facultad de Agrronomia*”,Vol.34.issue.1,April 2018.
12. Mohanarathinam Ayyaswamy , Kamalraj Subramaniam, and Manimegalai Perumal.” Design and Development of Steganography Using Hybrid Transform with Decomposition Based Embedding Algorithm and Hybrid Encryption Scheme” *Journal of Computational and Theoretical Nanoscience*. Vol. 14, 5989–5996, 2017