

Dr. S. Immanuel Alex Pandian

Publications

International Journals:

1. Agnes, S.A., Anitha, J., Immanuel Alex Pandian, S., Peter, J.D., Classification of Mammogram Images Using Multiscale all Convolutional Neural Network (MA-CNN), Journal of Medical Systems, 2020, 44(1), 30 (Springer) [IF-3.072] (Scopus)
2. Thirumalaiah, G., Immanuel Alex Pandian, S., An energy optimized object modeling technique for video synopsis using particle swarm optimization, Journal of Green Engineering, 2020, 10(6), pp. 2910-2924 (Scopus)
3. Santhanaraj, M., Immanuel Alex Pandian, S, Comprehensive optimal fir filter design procedures with various impacts, International Journal of Recent Technology and Engineering, 2019, 8(3), pp. 1562-1566 (Scopus)
4. Malin Bruntha, P., Dhanasekar, S., Martin Sagayam, K., Immanuel Alex Pandian, S., "A modified approach for face recognition using PSO and ABC optimization", International Journal of Innovative Technology and Exploring Engineering Volume 8, Issue 7, Pages 1571-1577, May 2019. (Scopus)
5. Malin Bruntha, P., Dhanasekar, S., Grace Jency, J., Immanuel Alex Pandian, S., Pillai, P.S., Steven Pramod, T., Malani, V., "Performance analysis of certain classifiers for liver CT images", International Journal of Innovative Technology and Exploring Engineering Volume 8, Issue 7, Pages 1566-1570, May 2019. (Scopus)
6. Malin Bruntha, P., Victor Du John, H., Suriavel Rao, R.S., S. Immanuel Alex Pandian, "Comparative analysis of solitary lung nodule classification using different functions of back propagation neural network", International Journal of Mechanical Engineering and Technology, 2019. (Scopus)

7. Malin Bruntha, P., S. Immanuel Alex Pandian, Jaisil Rose, D., "Application of decision tree based support vector machine in lung nodule classification", *Journal of Advanced Research in Dynamical and Control Systems*, 2018. (Scopus)
8. S. Immanuel Alex Pandian, G. Josemin Bala, Maya K. Kuriakose, Anitha. J, "A Hierarchical Algorithm with Fast Convergence Spiral Search Pattern for Block Matching in Motion Estimation", *International Journal of Computational Vision and Robotics*, Vol. 6, No. 4, pp. 435-449, 2016. (Inderscience) (Scopus)
9. J. Anitha, J. Dinesh Peter, S. Immanuel Alex Pandian, "A Dual Stage Adaptive Thresholding (DuSAT) for Automatic Mass Detection in Mammograms", *Computer Methods and Programs in Biomedicine*, Vol. 138, pp. 93–104, January 2017. (Elsevier) [IF-2.503] (Scopus)

International Conferences:

1. Anitha, J., Akila Agnes, S., Immanuel Alex Pandian, S., Self-supervised representation learning framework for remote crop monitoring using sparse autoencoder, *Advances in Intelligent Systems and Computing*, 2021, 1167, pp. 219-227 (Scopus)
2. Thirumalaiah, G., Immanuel Alex Pandian, S., Teja Sri, D., Karthik Chowdary, M., Kumarteja, A., An Optimized Clustered Based Video Synopsis by Using Artificial Intelligence, *Lecture Notes in Electrical Engineering*, 2021, 698, pp. 563-575 (Scopus)
3. Bruntha, P.M., S. Immanuel Alex Pandian, Anitha, J., Mohan, P., Dhanasekar, S., Local Ternary Co-occurrence Patterns based Lung Nodules Detection, 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020, 2020, pp. 489-492, 9074411 (Scopus)
4. Immanuel Alex Pandian, S., Anitha, J., An Efficient Predictive and Intelligent based Motion Estimation in Video Coding, 2nd International Conference on Signal Processing and Communication, ICSPC 2019 - Proceedings, 2019, pp. 247-251, 8976754 (Scopus)
5. Malin Bruntha, P., Immanuel Alex Pandian, S., Mohan, P., Active Contour Model (without edges) based Pulmonary Nodule Detection in Low Dose CT images, 2nd International Conference on Signal Processing and Communication, ICSPC 2019 - Proceedings, 2019, pp. 222-225, 8976813 (Scopus)

6. Thirumalaiah, G., S. Immanuel Alex Pandian, "Dynamic object indexing technique for distortionless video synopsis", Lecture Notes in Computational Vision and Biomechanics, 2019. (Scopus)
7. S. Immanuel Alex Pandian, Anitha, J., "An unvarying orthogonal search with small triangle pattern for video coding", Smart Innovation, Systems and Technologies, 2019. (Scopus)
8. Francis, A, S. Immanuel Alex Pandian. "Review on Local Feature Descriptors for Early Detection of Alzheimer's Disease", 2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018; Kottayam; India; 21st to 22nd December 2018. (Scopus)
9. Immanuel Alex Pandian, S., Josemin Bala, G., Anitha, J, "Enhanced modified orthogonal search for motion estimation", 2011 IEEE Recent Advances in Intelligent Computational Systems, RAICS 2011, 22nd to 24th September 2011. (Scopus)
10. Nikila Alex, S. Immanuel Alex Pandian, "Digital Image Watermarking using Histogram Method", IEEE Sponsored 3rd International Conference on Innovations in Information Embedded and Communication Systems, Karpagam College of Engineering, Coimbatore, 17th to 18th March 2016.
11. Negha Abraham, S. Immanuel Alex Pandian, "Color Image Denoising using Adaptive Wavelet Thresholding Function", IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems-2015.
12. Tania Bastian, S. Immanuel Alex Pandian, "Real time self-adaptive motion detection using motion mask generation and background model", IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems-2015.