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Area of Interest: Image and Signal Processing, Video Processing, Video Compression

Publication Details:

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)
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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

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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)
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10. **S. Immanuel Alex Pandian**, G. Josemin Bala, J. Anitha, "A Pattern based PSO Approach for Block Matching in Motion Estimation", Journal of Engineering Applications of Artificial Intelligence, Vol. 26, Issue 8, pp. 1811-1817, Sep. 2013. (Elsevier) **[IF-2.894]** (Scopus)
11. **S. Immanuel Alex Pandian**, G.Josemin Bala, J.Anitha, "An Efficient Diamond X-Pattern Motion Estimation for Video Coding", International Journal of Imaging and Robotics,Vol.9, No.1, pp.116-128, 2013. (Ceiser) (Scopus)

12. 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)
13. 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)
14. 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)
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21. 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.

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