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Area of Interest: Signal Processing and Medical Image Processing

LIST OF PUBLICATIONS (LAST 5 YEARS)

1. Hariharan.P.M., Anju Thomas, Nisha.J.S., Varun.P.Gopi, Palanisamy.P, "Pixel matching search algorithm for counting moving vehicle in highway traffic videos", Multimedia Tools and Applications, Sept. 2020, https://doi.org/10.1007/s11042-020-09666-z

2. Gayathri, S., Gopi, V.P. & Palanisamy.P, "A lightweight CNN for Diabetic Retinopathy classification from fundus images" Biomedical Signal Processing and COntro, Vol. 62, Sept.2020, https://doi.org/10.1016/j.bspc.2020.102115

3. Gayathri, S., Gopi, V.P. & Palanisamy.P, "Automated classification of diabetic retinopathy through reliable feature selection", Physical and Engineering Sciences in Medicine, July 2020 (Springer). DOI: https://doi.org/10.1007/s13246-020-00890-3

4. Gowri, K., Palanisamy, P. & Amiri, I.S.,"Improved Method of Direction Finding for Non Circular Signals with Wavelet Denoising Using Three Parallel Uniform Linear Arrays", Wireless Pers Commun (2020). https://doi.org/10.1007/s11277-020-07571-0

5. S Gayathri, AK Krishna, VP Gopi, P Palanisamy," Automated Binary and Multiclass Classification of Diabetic Retinopathy Using Haralick and Multiresolution Features", IEEE Access, Vol.8, 2020 (DOI: 10.1109/ACCESS.2020.2979753)

6. P.Gopinath, N.B.Shankar, P.Palanisamy and Varun P Gopi, "A hybrid feature preservation technique based on luminosity and edge based contrast enhancement in color fundus images" Biocybernetics and Biomedical Engineering (Elsevier), Vol. 40(2), pp.752-763 (2020)

7. Karthick S, Palanisamy.P and Srinivasarao Chintagunta, "Polarization Difference Smoothing in Bistatic MIMO Radar" Progress In Electromagnetics Research Letters, Vol.88, pp.67-74, 2020

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10. S.Deivalakshmi, Palanisamy.P and X.Gao, "Balanced GHM Mutiwavelet Transform based Contrast Enhancement Technique for Dark Images using Dynamic Stochastic Resonance, Journal of Intelligent Automation and Soft Computing, Vol. 25, no. 3, pp.459–471 (DOI: 10.31209/2018.100000001).

11. PALANISAMY P, Karthick S and Srinivasarao Chintagunta, “Computationally efficient method for joint DOD and DOA estimation of coherent targets in MIMO radar”, Elsevier Signal Processing, Vol. 165, PP. 262-267, 2019. (https://doi.org/10.1016/j.sigpro.2019.07.015).

12. Srinivasarao Chintagunta and PALANISAMY P, “Spatial and Polarization Angle Estimation of Mixed-Targetsin MIMO Radar”, Progress In Electromagnetics Research M, Vol.82, pp.49-59, 2019 .

13. Vikas R. Phate, R. Malmathanraj, P. PALANISAMY, “Clustered ANFIS weighing models for sweet lime (Citruslimetta) using computer vision system”, Journal of Food process Engineering (Wiley), 2019 DOI: 10.1111/jfpe.1316.

14. Yogeswararao Gurubelli, Malmathanraj Ramanathan, Palanisamy Ponnusamy, “Fractional fuzzy 2DLDA approach for pomegranate fruit grade classification” Elsevier Journal of Journal Computers and Electronics in Agriculture,162 (2019), pp-95-105. (https://doi.org/10.1016/j.compag.2019.03.036)

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28. Sudeep P.V., Palanisamy, Chandrasekharan KEsavadas and Jeny Rajan “ Nonlocal linear minimum mean square error methods for denoising MRI” Journal of Biomedical Signal Processing and Control, Vol.20 (2015), pp.125-134.