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Image processing Wireless Network
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Research Publications

A deep convolutional neural network for the early detection of breast carcinoma with respect to hyper-parameter tuning
D Saranyaraj, M Manikandan, S Maheswari
Multimedia Tools and Applications 79 (15), 11013-11038

2020

Multilevel Tetrolet transform based breast cancer classifier and diagnosis system for healthcare applications
P Indra, M Manikandan
Journal of Ambient Intelligence and Humanized Computing, 1-10

2020

Multi-level Fuzzy Based Renyi Entropy for Linguistic Classification of Texts in Natural Scene Images
AV Karpagam, M Manikandan
International Journal of Fuzzy Systems 22 (2), 438-449

2020

Intravascular Ultrasound Image Classification Using Wavelet Energy Features and Random Forest Classifier
A Swarnalatha, M Manikandan
Intelligent Computing in Engineering, 803-810

2020

Advanced Indoor and Outdoor Navigation System for Blind People Using Raspberry-Pi
M Anandan, M Manikandan, T Karthick
Journal of Internet Technology 21 (1), 183-195

2020

Text extraction from natural scene images using Renyi entropy
AV Karpagam, M Manikandan
The Journal of Engineering 2019 (8), 5397-5406

2019

Fog assisted IoT based medical cyber system for cardiovascular diseases affected patients
T Karthick, M Manikandan
Concurrency and Computation: Practice and Experience 31 (12), e4861

2019

Quantitative analysis of marker-based watershed image segmentation
S Madhumitha, M Manikandan
Current Science 114 (5), 1007-31013

2018

Comparative Study of Total Harmonic Distortionin VSI and Matrix Converter based WECS
B Kandavel, G Uvaraj, M Manikandan, R Gobi
2018 Fourth International Conference on Advances in Electrical, Electronics …

2018

An Assessment of Total Harmonic Distortion of Dual PV and Dual Z source with different PWM Controller Techniques
G Uvaraj, B Kandavel, M Manikandan
2018 Fourth International Conference on Advances in Electrical, Electronics …

2018

Design of Reconfiguration Based Modulation and Demodulation Scheme for OFDM System
J Manikandan, M Manikandan
Indian Journal of Public Health Research & Development 9 (3), 775-778

2018

Comparative Study of Total Harmonic Distortion in Multilevel Inverters Based WECS
B Kandavel, G Uvaraj, M Manikandan
International Journal of Engineering & Technology 7 (3.1), 42-45

2018

Interpolation tool: Qualitative and quantitative analysis for machine vision applications
AV Karpagam, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

Influence of binning in Histograms of Oriented Gradients method representation
K Karthikeyan, AV Karpagam, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

Medical image processing to detect breast cancer—A cognitive-based investigation
D Saranyaraj, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

Survey on reconfigurable fir filter architecture
PS Dinesh, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

Enhancement of interpolation mechanism in large and scalable images
A Ramesh, AV Karpagam, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

Review of segmentation techniques for intravascular ultrasound (IVUS) images
A Swarnalatha, M Manikandan
2017 Fourth International Conference on Signal Processing, Communication and …

2017

A Switched Inductor Quasi Z source-H-bridge Multilevel Inverter for Soft starting Control of Induction Motor using Direct Torque and Flux Control
R Murugesan, M Manikandan
Indian Journal of Public Health Research & Development 8 (3), 616-622

2017

Real Time Implementation of Surf Based Target Tracking Algorithm.
VK Sundari, M Manikandan
International Journal on Intelligent Electronics Systems 11 (1)

2017

VLSI based pipelined architecture for radix-8 combined SDF-SDC FFT   2016
J Manikandan, M Manikandan
Indian Journal of Science and Technology 9 (28), 1-5

Discrete Wavelet Transform Based Brain Tumor Detection using Haar   2016
Algorithm
R Sentamilselvan, M Manikandan
International Journal of Data Mining Techniques and Applications 5 (1), 83-86

Design of Single Error Correction-Double Adjacent Error Detection-Triple   2016
Adjacent Error Detection-Tetra Adjacent Error Detection (Sec-Daed-Taed-
Tetra Aed) Codes
J Manikandan, M Manikandan
International Journal of Applied Engineering Research 11 (6), 4440-4444

Obstacle Detection and Identification for Visually Impaired People using   2016
Arduino MEGA 2560
M Anandan, M Manikandan, D Saranyaraj
Asian Journal of Research in Social Sciences and Humanities 6 (11), 507-518

A NOVEL FUZZY BASED BACKGROUND SUBTRACTION FOR DYNAMIC   2015
SCENES
VK Sundari, M Manikandan
Journal of Theoretical and Applied Information Technology 82 (2), 250

Hill Climbing Approach for Text Binarization from Videos   2015
LMM Livingston, M Manikandan
Indian Journal of Science and Technology 8, 15

Implementation of Multi Target Tracking Algorithm on Beagle Board-Xm   2015
VK Sundari, M Manikandan
Paripex-Indian Journal of Research 4, 31-33

A novel algorithm for face recognition from very low resolution images   2015
C Senthilsingh, M Manikandan
Journal of Electrical Engineering & Technology 10 (2), 659-669

High Speed Reconfigurable FIR Filter using Russian Peasant Multiplier with   2014
Sklansky Adder
K Gunasekaran, M Manikandan
Research Journal of Applied Sciences, Engineering and Technology 8 (24 …

DESIGN AND IMPLEMENTATION OF FACE DETECTION USING   2014
ADABOOST ALGORITHM.
C Senthilsingh, M Manikandan
Journal of Theoretical & Applied Information Technology 65 (3)

Casattenta, Sofia and Tangerine & IT4CAD: Practical experiences   2014
D Madhusudhanan, R Balaji, M Manikandan
Second International Conference on Current Trends In Engineering and …