# P Palanisamy

List of Publications by Year
in descending order

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|---|---|---|---|
| 133 papers | 1,324 citations | 394421<br>19 h-index | 454955<br>30 g-index |
| 134 all docs | 134 docs citations | 134 times ranked | 963 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 1 | An adaptive enhancement and fovea detection technique for color fundus image analysis. Signal, Image and Video Processing, 2023, 17, 831-838. | 2.7 | 1 |
| 2 | Content-Based Video Retrieval Using Integration of Curvelet Transform and Simple Linear Iterative Clustering. International Journal of Image and Graphics, 2022, 22, . | 1.5 | 2 |
| 3 | Redundancy reduced depthwise separable convolution for glaucoma classification using OCT images. Biomedical Signal Processing and Control, 2022, 71, 103192. | 5.7 | 20 |
| 4 | Reduction of <scp>PAPR</scp> in <scp>OTFS</scp> using normalized <i>Î¼</i>â€law and <scp><i>A</i></scp>â€law companding transform. Internet Technology Letters, 2022, 5, . | 1.9 | 6 |
| 5 | Automated colorectal polyp detection based on image enhancement and dual-path CNN architecture. Biomedical Signal Processing and Control, 2022, 73, 103465. | 5.7 | 22 |
| 6 | MULTI-SCALE DIRECTED ACYCLIC GRAPH-CNN FOR AUTOMATED CLASSIFICATION OF DIABETIC RETINOPATHY FROM OCT IMAGES. Biomedical Engineering - Applications, Basis and Communications, 2022, 34, . | 0.6 | 1 |
| 7 | An efficient densely connected convolutional neural network for identification of plant diseases. Multimedia Tools and Applications, 2022, 81, 32791-32816. | 3.9 | 9 |
| 8 | Ground-based 4d trajectory prediction using bi-directional LSTM networks. Applied Intelligence, 2022, 52, 16417-16434. | 5.3 | 6 |
| 9 | Fractional weighted nuclear norm based two dimensional linear discriminant features for cucumber leaf disease recognition. Multimedia Tools and Applications, 2022, 81, 38735-38755. | 3.9 | 3 |
| 10 | OctNET: A Lightweight CNN for Retinal Disease Classification from Optical Coherence Tomography Images. Computer Methods and Programs in Biomedicine, 2021, 200, 105877. | 4.7 | 54 |
| 11 | RPE layer detection and baseline estimation using statistical methods and randomization for classification of AMD from retinal OCT. Computer Methods and Programs in Biomedicine, 2021, 200, 105822. | 4.7 | 17 |
| 12 | Analysis of GSM-SM Over $$kappa -mu$$, $$eta -mu$$ and $$alpha -mu$$ Fading Channels. Wireless Personal Communications, 2021, 117, 2679-2693. | 2.7 | 3 |
| 13 | Classification and Indirect Weighing of Sweet Lime Fruit through Machine Learning and Meta-heuristic Approach. International Journal of Fruit Science, 2021, 21, 528-545. | 2.4 | 4 |
| 14 | Fusion of gradient and feature similarity for Keyframe extraction. Multimedia Tools and Applications, 2021, 80, 15429-15467. | 3.9 | 3 |
| 15 | 2D Direction Finding of Coherent Sources Using Three Parallel Sparse Arrays with Less Computational Complexity. Circuits, Systems, and Signal Processing, 2021, 40, 4576-4593. | 2.0 | 3 |
| 16 | Diabetic retinopathy classification based on multipath CNN and machine learning classifiers. Physical and Engineering Sciences in Medicine, 2021, 44, 639-653. | 2.4 | 42 |
| 17 | A novel multiscale convolutional neural network based age-related macular degeneration detection using OCT images. Biomedical Signal Processing and Control, 2021, 67, 102538. | 5.7 | 33 |
| 18 | A novel multiscale and multipath convolutional neural network based age-related macular degeneration detection using OCT images. Computer Methods and Programs in Biomedicine, 2021, 209, 106294. | 4.7 | 22 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Fast approach for moving vehicle localization and bounding box estimation in highway traffic videos. Signal, Image and Video Processing, 2021, 15, 1041-1048. | 2.7 | 4 |
| 20 | Inception single shot multi-box detector with affinity propagation clustering and their application in multi-class vehicle counting. Applied Intelligence, 2021, 51, 4714-4729. | 5.3 | 7 |
| 21 | Pixel matching search algorithm for counting moving vehicle in highway traffic videos. Multimedia Tools and Applications, 2021, 80, 3153-3172. | 3.9 | 6 |
| 22 | A Combination of 2DLDA and LDA Approach for Fruit-Grade Classification with KSVM. Advances in Intelligent Systems and Computing, 2021, , 171-178. | 0.6 | 0 |
| 23 | Pothole and Speed Bump Classification Using a Five-Layer Simple Convolutional Neural Network. Advances in Intelligent Systems and Computing, 2021, , 491-499. | 0.6 | 5 |
| 24 | A Machine Learning Based Approach for Prediction of Actual Landing Time of Scheduled Flights. Advances in Intelligent Systems and Computing, 2021, , 755-766. | 0.6 | 1 |
| 25 | An improved nonlocal maximum likelihood estimation method for denoising magnetic resonance images with spatially varying noise levels. Pattern Recognition Letters, 2020, 139, 34-41. | 4.2 | 6 |
| 26 | Automated classification of diabetic retinopathy through reliable feature selection. Physical and Engineering Sciences in Medicine, 2020, 43, 927-945. | 2.4 | 30 |
| 27 | A lightweight CNN for Diabetic Retinopathy classification from fundus images. Biomedical Signal Processing and Control, 2020, 62, 102115. | 5.7 | 96 |
| 28 | Moving Vehicle Candidate Recognition and Classification Using Inception-ResNet-v2. , 2020, , . | | 12 |
| 29 | Modified Adaptive Dictionary Reconstruction Framework for Compressed Sensing of ECG Signals. , 2020, , . | | 0 |
| 30 | Localization of Coherent Targets in Bistatic MIMO Radar. , 2020, , . | | 0 |
| 31 | An Indirect Method to Estimate Sweet Lime Weight through Machine Learning Algorithm. , 2020, , . | | 1 |
| 32 | Closed form Capacity expression of Spatial modulation using Hypergeometric series. , 2020, , . | | 0 |
| 33 | Performance Analysis of Adaptive Generalized Spatial Modulation. , 2020, , . | | 3 |
| 34 | Texture and Colour Gradient Features for Grade analysis of Pomegranate and Mango Fruits using kernel-SVM Classifiers. , 2020, , . | | 5 |
| 35 | Automated Binary and Multiclass Classification of Diabetic Retinopathy Using Haralick and Multiresolution Features. IEEE Access, 2020, 8, 57497-57504. | 4.2 | 56 |
| 36 | POLARIZATION DIFFERENCE SMOOTHING IN BISTATIC MIMO RADAR. Progress in Electromagnetics Research Letters, 2020, 88, 67-74. | 0.7 | 6 |

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|---|---------|-----|-----------|
| 37 | Improved Method of Direction Finding for Non Circular Signals with Wavelet Denoising Using Three Parallel Uniform Linear Arrays. Wireless Personal Communications, 2020, 115, 291-305. | 2.7 | 4 |
| 38 | Yield Estimation of Chilli Crop using Image Processing Techniques. , 2020, , . |  | 11 |
| 39 | A hybrid feature preservation technique based on luminosity and edge based contrast enhancement in color fundus images. Biocybernetics and Biomedical Engineering, 2020, 40, 752-763. | 5.9 | 23 |
| 40 | Detecting anomalous growth of skin lesion using threshold-based segmentation algorithm and Fuzzy K-Nearest Neighbor classifier. Journal of Cancer Research and Therapeutics, 2020, 16, 40. | 0.9 | 15 |
| 41 | Computationally efficient method for joint DOD and DOA estimation of coherent targets in MIMO radar. Signal Processing, 2019, 165, 262-267. | 3.7 | 16 |
| 42 | Direct Localization of Multiple Noncircular Sources With a Moving Nested Array. IEEE Access, 2019, 7, 101106-101116. | 4.2 | 9 |
| 43 | SPATIAL AND POLARIZATION ANGLE ESTIMATION OF MIXED-TARGETS IN MIMO RADAR. Progress in Electromagnetics Research M, 2019, 82, 49-59. | 0.9 | 3 |
| 44 | Clustered ANFIS weighing models for sweet lime (Citrus limetta) using computer vision system. Journal of Food Process Engineering, 2019, 42, e13160. | 2.9 | 9 |
| 45 | Fractional fuzzy 2DLDA approach for pomegranate fruit grade classification. Computers and Electronics in Agriculture, 2019, 162, 95-105. | 7.7 | 19 |
| 46 | Classification and weighing of sweet lime (Citrus limetta) for packaging using computer vision system. Journal of Food Measurement and Characterization, 2019, 13, 1451-1468. | 3.2 | 12 |
| 47 | Two Dimensional Direction of Arrival Estimation Algorithm for Coherent Signals Using Three Parallel Uniform Linear Arrays. Journal of Communications Technology and Electronics, 2019, 64, 1383-1390. | 0.5 | 3 |
| 48 | An improved luminosity and contrast enhancement framework for feature preservation in color fundus images. Signal, Image and Video Processing, 2019, 13, 719-726. | 2.7 | 31 |
| 49 | 2D-DOD and 2D-DOA estimation using the electromagnetic vector sensors. Signal Processing, 2018, 147, 163-172. | 3.7 | 47 |
| 50 | DOD and DOA estimation using the spatial smoothing in MIMO radar with the EmV sensors. Multidimensional Systems and Signal Processing, 2018, 29, 1241-1253. | 2.6 | 10 |
| 51 | An Adaptive Enhancement method for Low Contrast Color Retinal Images based on Strucural Similarity. , 2018, , . |  | 4 |
| 52 | Application of Hypergeometric function in MIMO Wireless Systems. , 2018, , . |  | 2 |
| 53 | Dynamic Functional and Network Connectivity Changes of Functional MRI Data: Parkinson's Study. , 2018, , . |  | 0 |
| 54 | Integrated polarisation and diversity smoothing algorithm for DOD and DOA estimation of coherent targets. IET Signal Processing, 2018, 12, 447-453. | 1.5 | 5 |

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|---|---------|-----|-----------|
| 55 | A nonlocal maximum likelihood estimation method for enhancing magnetic resonance phase maps. Signal, Image and Video Processing, 2017, 11, 913-920. | 2.7 | 3 |
| 56 | On application of OMP and CoSaMP algorithms for DOA estimation problem. , 2017, , . | | 10 |
| 57 | A novel CS beamformer root-MUSIC algorithm and its subspace deviation analysis. , 2017, , . | | 0 |
| 58 | On-grid DOA estimation method using orthogonal matching pursuit. , 2017, , . | | 11 |
| 59 | Robust wavelet denoising based DOA estimation with mutual coupling compensation. , 2017, , . | | 0 |
| 60 | Pedestrian classification in partial occlusion. , 2017, , . | | 1 |
| 61 | Undecimated double density wavelet transform based contrast enhancement technique using dynamic stochastic resonance. , 2017, , . | | 0 |
| 62 | Outage Capacity Performance Analysis of Dual-Hop Multiple-Relay Decode-and-Forward System for Generalized $$ oldsymbol{eta} $$ - $$ oldsymbol{mu} $$ Fading Channel. Advances in Intelligent Systems and Computing, 2017, , 643-651. | 0.6 | 0 |
| 63 | A strict bound for dimension of measurement matrix for CS beamformer MUSIC algorithm. , 2016, , . | | 2 |
| 64 | Speckle reduction in medical ultrasound images using an unbiased non-local means method. Biomedical Signal Processing and Control, 2016, 28, 1-8. | 5.7 | 86 |
| 65 | Removal of high density salt and pepper noise through improved tolerance based selective arithmetic mean filtering with wavelet thresholding. AEU - International Journal of Electronics and Communications, 2016, 70, 757-776. | 2.9 | 20 |
| 66 | Outage performance analysis of dual-hop multi-relay decode-and-forward system for asymmetric fading channels. , 2016, , . | | 1 |
| 67 | Enhancement and bias removal of optical coherence tomography images: An iterative approach with adaptive bilateral filtering. Computers in Biology and Medicine, 2016, 71, 97-107. | 7.0 | 41 |
| 68 | Iterative Computed Tomography Reconstruction from Sparse-View Data. Journal of Medical Imaging and Health Informatics, 2016, 6, 34-46. | 0.3 | 6 |
| 69 | Nonlocal linear minimum mean square error methods for denoising MRI. Biomedical Signal Processing and Control, 2015, 20, 125-134. | 5.7 | 30 |
| 70 | Coherent targets DOA estimation with electromagnetic vector sensors in MIMO radar. , 2015, , . | | 3 |
| 71 | Optimal pilot-aided semi blind channel estimation for MIMO-OFDM system. , 2015, , . | | 1 |
| 72 | Neural network based class-conditional probability density function using kernel trick for supervised classifier. Neurocomputing, 2015, 154, 225-229. | 5.9 | 6 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 73 | MIMO-OFDM channel estimation with complex and bipolar NRZ encoded pilots. , 2015, , . | | 0 |
| 74 | Regularization based CT image reconstruction using Algebraic techniques. , 2014, , . | | 3 |
| 75 | Multitaper spectrum sensing using sinusoidal tapers with overlapping time series. , 2014, , . | | 0 |
| 76 | Optimal orthogonal pilots design for MIMO-OFDM channel estimation. , 2014, , . | | 2 |
| 77 | MR image reconstruction based on framelets and nonlocal total variation using split Bregman method. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 459-472. | 2.8 | 6 |
| 78 | A novel wavelet based denoising algorithm using level dependent thresholding. , 2014, , . | | 4 |
| 79 | Undecimated double density dual tree wavelet transform based image denoising using a subband adaptive threshold. , 2014, , . | | 4 |
| 80 | Reversible watermarking with embedded digital signature. , 2014, , . | | 2 |
| 81 | Detection of table structure and content extraction from scanned documents. , 2014, , . | | 6 |
| 82 | Image security using DES and RNS with reversible watermarking. , 2014, , . | | 8 |
| 83 | Multiple regularization based MRI reconstruction. Signal Processing, 2014, 103, 103-113. | 3.7 | 11 |
| 84 | Maximizing Gaussianity using kurtosis measurement in the kernel space for kernel linear discriminant analysis. Neurocomputing, 2014, 144, 329-337. | 5.9 | 5 |
| 85 | Novel 2D Real-Valued Sinusoidal Signal Frequencies Estimation Based on Propagator Method. Advances in Intelligent Systems and Computing, 2014, , 305-315. | 0.6 | 0 |
| 86 | Hybrid MCDM approach for vendor ranking. Journal of Manufacturing Technology Management, 2013, 24, 905-928. | 6.4 | 24 |
| 87 | Iterative method for CT image reconstruction from reduced number of projection views. , 2013, , . | | 2 |
| 88 | A novel method for text and non-text segmentation in document images. , 2013, , . | | 3 |
| 89 | CT image reconstruction based on combination of iterative reconstruction technique and total variation. , 2013, , . | | 1 |
| 90 | Fast computation of PCA bases of image subspace using its inner-product subspace. Applied Mathematics and Computation, 2013, 219, 6729-6732. | 2.2 | 2 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 91 | Image Denoising Based on Undecimated Double Density Dual Tree Wavelet Transform and Modified Firm Shrinkage. , 2013, , . | | 3 |
| 92 | Formulating particle swarm optimization based membership linear discriminant analysis. Swarm and Evolutionary Computation, 2013, 12, 65-73. | 8.1 | 3 |
| 93 | Micro-CT image reconstruction based on alternating direction augmented Lagrangian method and total variation. Computerized Medical Imaging and Graphics, 2013, 37, 419-429. | 5.8 | 3 |
| 94 | Analysis of nuclei textures of fine needle aspirated cytology images for breast cancer diagnosis using Complex Daubechies wavelets. Signal Processing, 2013, 93, 2828-2837. | 3.7 | 45 |
| 95 | Information extraction and unfilled-form structure retrieval from filled-up forms. , 2013, , . | | 0 |
| 96 | A Hybrid Model for Rician Noise Reduction in MRI. , 2013, , . | | 1 |
| 97 | Multitaper Spectrum Sensing Using Sinusoidal Tapers. , 2013, , . | | 1 |
| 98 | MR Image Reconstruction Based on Iterative Split Bregman Algorithm and Nonlocal Total Variation. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-16. | 1.3 | 9 |
| 99 | An Efficient Two Dimensional Multiple Real-Valued Sinusoidal Signal Frequency Estimation Algorithm. Lecture Notes in Electrical Engineering, 2013, , 99-111. | 0.4 | 0 |
| 100 | Novel 2-D real-valued sinusoidal signal frequencies estimation approach based on modified ESPRIT and propagator method. , 2012, , . | | 0 |
| 101 | An Expert Support System for Breast Cancer Diagnosis using Color Wavelet Features. Journal of Medical Systems, 2012, 36, 3091-3102. | 3.6 | 29 |
| 102 | Formulating Particle Swarm Optimization based Generalized Kernel Function for Kernel-Linear Discriminant Analysis. Procedia Technology, 2012, 6, 517-525. | 1.1 | 3 |
| 103 | Capsule Endoscopic Colour Image Denoising Using Complex Wavelet Transform. Communications in Computer and Information Science, 2012, , 220-229. | 0.5 | 10 |
| 104 | Two-dimensional DOA estimation of coherent signals using acoustic vector sensor array. Signal Processing, 2012, 92, 19-28. | 3.7 | 46 |
| 105 | Endoscopic image compression based on Double Density Discrete Wavelet Transform and SPIHT coding. , 2011, , . | | 1 |
| 106 | Estimation of real-valued sinusoidal signal frequencies based on ESPRIT and propagator methods. , 2011, , . | | 9 |
| 107 | Log-gabor wavelets based breast carcinoma classification using least square support vector machine. , 2011, , . | | 19 |
| 108 | Detection and removal of Salt and Pepper noise in images by improved median filter. , 2011, , . | | 19 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Sonar target detection by modified adaptive noise cancellation using correlating filter. International Journal of Electronics, 2011, 98, 41-60. | 1.4 | 3 |
| 110 | 2-D DOA estimation of quasi-stationary signals based on Khatri-Rao subspace approach. , 2011, , . | | 7 |
| 111 | Line removal technique for document and non document images. , 2011, , . | | 2 |
| 112 | 2-D DOA Estimation of Coherent Wideband Signals Using L-Shaped Sensor Array. Communications in Computer and Information Science, 2011, , 179-188. | 0.5 | 0 |
| 113 | Complex wavelet as nucleus descriptors for automated cancer cytology classifier system using ANN. , 2010, , . | | 10 |
| 114 | Complex wavelet based texture features of cancer cytology images. , 2010, , . | | 5 |
| 115 | Active bearing estimation from a mobile two-dimensional array of sensors. IET Signal Processing, 2010, 4, 55. | 1.5 | 0 |
| 116 | Wavelet based feature extraction method for breast cancer cytology images. , 2010, , . | | 26 |
| 117 | Improved tolerance based selective arithmetic mean filter for detection and removal of impulse noise. , 2010, , . | | 8 |
| 118 | DIRECTION OF ARRIVAL ESTIMATION BASED ON FOURTH-ORDER CUMULANT USING PROPAGATOR METHOD. Progress in Electromagnetics Research B, 2009, 18, 83-99. | 1.0 | 15 |
| 119 | A new DOA estimation algorithm for wideband signals in the presence of unknown spatially correlated noise. Signal Processing, 2009, 89, 1921-1931. | 3.7 | 13 |
| 120 | A new L-shape 2-dimensional angle of arrival estimation based on Propagator Method. , 2008, , . | | 1 |
| 121 | Efficient Realization of CORDIC based LDPC Decoder for WiMax System. , 2008, , . | | 0 |
| 122 | Performance analysis of Raptor codes in Wi-Max systems over fading channel. , 2008, , . | | 4 |
| 123 | Performance Analysis of Raptor Codes in OFDM Systems. , 2008, , . | | 0 |
| 124 | Target detection by adaptive noise cancellation. Electronics Letters, 2008, 44, 1329. | 1.0 | 4 |
| 125 | A New Fast Convergence Adaptive Algorithm. , 2007, , . | | 1 |
| 126 | AN AUTOMATED METHOD TO DETECT AGE-RELATED MACULAR DEGENERATION FROM OPTICAL COHERENCE TOMOGRAPHIC IMAGES. Biomedical Engineering - Applications, Basis and Communications, 0, , 2150036. | 0.6 | 2 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 127 | Predictability improvement of Scheduled Flights Departure Time Variation using Supervised Machine Learning. International Journal of Aviation, Aeronautics, and Aerospace, 0, , . | 0.2 | 1 |
| 128 | Balanced GHM Mutiwavelet Transform based Contrast Enhancement Technique for Dark Images using Dynamic Stochastic Resonance. Intelligent Automation and Soft Computing, 0, , 1-14. | 2.1 | 0 |
| 129 | Prediction of Gate In Time of Scheduled Flights and Schedule Conformance using Machine Learning-based Algorithms. International Journal of Aviation, Aeronautics, and Aerospace, 0, , . | 0.2 | 1 |
| 130 | AUTOMATED POLYP DETECTION IN COLONOSCOPY VIDEOS USING IMAGE ENHANCEMENT AND SALIENCY DETECTION ALGORITHM. Biomedical Engineering - Applications, Basis and Communications, 0, , . | 0.6 | 1 |
| 131 | CLASSIFICATION OF INFORMATIVE FRAMES IN COLONOSCOPY VIDEO BASED ON IMAGE ENHANCEMENT AND PHOG FEATURE EXTRACTION. Biomedical Engineering - Applications, Basis and Communications, 0, , . | 0.6 | 1 |
| 132 | COLORECTAL POLYP DETECTION USING IMAGE ENHANCEMENT AND SCALED YOLOv4 ALGORITHM. Biomedical Engineering - Applications, Basis and Communications, 0, , . | 0.6 | 2 |
| 133 | Content based video retrieval using dynamic textures. Multimedia Tools and Applications, 0, , . | 3.9 | 0 |