P Palanisamy

List of Publications by Citations

101 papers	655 citations	14 h-index	20 g-index
134 ext. papers	1,000 ext. citations	2.9 avg, IF	4.81 L-index

#	Paper	IF	Citations
101	Speckle reduction in medical ultrasound images using an unbiased non-local means method. *Biomedical Signal Processing and Control*, **2016**, 28, 1-8	4.9	56
100	Two-dimensional DOA estimation of coherent signals using acoustic vector sensor array. *Signal Processing*, **2012**, 92, 19-28	4.4	34
99	Analysis of nuclei textures of fine needle aspirated cytology images for breast cancer diagnosis using Complex Daubechies wavelets. *Signal Processing*, **2013**, 93, 2828-2837	4.4	34
98	Automated Binary and Multiclass Classification of Diabetic Retinopathy Using Haralick and Multiresolution Features. *IEEE Access*, **2020**, 8, 57497-57504	3.5	28
97	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	28
96	A lightweight CNN for Diabetic Retinopathy classification from fundus images. *Biomedical Signal Processing and Control*, **2020**, 62, 102115	4.9	27
95	2D-DOD and 2D-DOA estimation using the electromagnetic vector sensors. *Signal Processing*, **2018**, 147, 163-172	4.4	24
94	Nonlocal linear minimum mean square error methods for denoising MRI. *Biomedical Signal Processing and Control*, **2015**, 20, 125-134	4.9	23
93	An expert support system for breast cancer diagnosis using color wavelet features. *Journal of Medical Systems*, **2012**, 36, 3091-102	5.1	22
92	An improved luminosity and contrast enhancement framework for feature preservation in color fundus images. *Signal, Image and Video Processing*, **2019**, 13, 719-726	1.6	21
91	Hybrid MCDM approach for vendor ranking. *Journal of Manufacturing Technology Management*, **2013**, 24, 905-928	7.1	20
90	Wavelet based feature extraction method for breast cancer cytology images **2010**,		20
89	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	2.8	16
88	OctNET: A Lightweight CNN for Retinal Disease Classification from Optical Coherence Tomography Images. *Computer Methods and Programs in Biomedicine*, **2021**, 200, 105877	6.9	14
87	Log-gabor wavelets based breast carcinoma classification using least square support vector machine **2011**,		13
86	MR image reconstruction based on iterative Split Bregman algorithm and nonlocal total variation. *Computational and Mathematical Methods in Medicine*, **2013**, 2013, 985819	2.8	9
85	DIRECTION OF ARRIVAL ESTIMATION BASED ON FOURTH-ORDER CUMULANT USING PROPAGATOR METHOD. *Progress in Electromagnetics Research B*, **2009**, 18, 83-99	0.7	9

84	A new DOA estimation algorithm for wideband signals in the presence of unknown spatially correlated noise. *Signal Processing*, **2009**, 89, 1921-1931	4.4	9
83	Classification and weighing of sweet lime (Citrus limetta) for packaging using computer vision system. *Journal of Food Measurement and Characterization*, **2019**, 13, 1451-1468	2.8	9
82	Fractional fuzzy 2DLDA approach for pomegranate fruit grade classification. *Computers and Electronics in Agriculture*, **2019**, 162, 95-105	6.5	8
81	**2011**,		8
80	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	5.7	8
79	DOD and DOA estimation using the spatial smoothing in MIMO radar with the EmV sensors. *Multidimensional Systems and Signal Processing*, **2018**, 29, 1241-1253	1.8	7
78	Computationally efficient method for joint DOD and DOA estimation of coherent targets in MIMO radar. *Signal Processing*, **2019**, 165, 262-267	4.4	7
77	Multiple regularization based MRI reconstruction. *Signal Processing*, **2014**, 103, 103-113	4.4	7
76	Capsule Endoscopic Colour Image Denoising Using Complex Wavelet Transform. *Communications in Computer and Information Science*, **2012**, 220-229	0.3	7
75	Complex wavelet as nucleus descriptors for automated cancer cytology classifier system using ANN **2010**,		7
74	Estimation of real-valued sinusoidal signal frequencies based on ESPRIT and propagator methods **2011**,		7
73	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, 40-52	1.2	7
72	A novel multiscale convolutional neural network based age-related macular degeneration detection using OCT images. *Biomedical Signal Processing and Control*, **2021**, 67, 102538	4.9	7
71	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	6.9	7
70	Neural network based class-conditional probability density function using kernel trick for supervised classifier. *Neurocomputing*, **2015**, 154, 225-229	5.4	6
69	**2010**,		6
68	Diabetic retinopathy classification based on multipath CNN and machine learning classifiers. *Physical and Engineering Sciences in Medicine*, **2021**, 44, 639-653	7	6
67	An improved nonlocal maximum likelihood estimation method for denoising magnetic resonance images with spatially varying noise levels. *Pattern Recognition Letters*, **2020**, 139, 34-41	4.7	6

66	Clustered ANFIS weighing models for sweet lime (Citrus limetta) using computer vision system. *Journal of Food Process Engineering*, **2019**, 42, e13160	2.4	5
65	Detection of table structure and content extraction from scanned documents **2014**,		5
64	Automated classification of diabetic retinopathy through reliable feature selection. *Physical and Engineering Sciences in Medicine*, **2020**, 43, 927-945	7	5
63	Iterative Computed Tomography Reconstruction from Sparse-View Data. *Journal of Medical Imaging and Health Informatics*, **2016**, 6, 34-46	1.2	4
62	Direct Localization of Multiple Noncircular Sources With a Moving Nested Array. *IEEE Access*, **2019**, 7, 101106-101116	3.5	4
61	MR image reconstruction based on framelets and nonlocal total variation using split Bregman method. *International Journal of Computer Assisted Radiology and Surgery*, **2014**, 9, 459-72	3.9	4
60	Maximizing Gaussianity using kurtosis measurement in the kernel space for kernel linear discriminant analysis. *Neurocomputing*, **2014**, 144, 329-337	5.4	4
59	On-grid DOA estimation method using orthogonal matching pursuit **2017**,		4
58	Complex wavelet based texture features of cancer cytology images **2010**,		4
57	2-D DOA estimation of quasi-stationary signals based on Khatri-Rao subspace approach **2011**,		4
56	Target detection by adaptive noise cancellation. *Electronics Letters*, **2008**, 44, 1329	1.1	4
55	Automated colorectal polyp detection based on image enhancement and dual-path CNN architecture. *Biomedical Signal Processing and Control*, **2022**, 73, 103465	4.9	4
54	Pixel matching search algorithm for counting moving vehicle in highway traffic videos. *Multimedia Tools and Applications*, **2021**, 80, 3153-3172	2.5	4
53	Moving Vehicle Candidate Recognition and Classification Using Inception-ResNet-v2 **2020**,		4
52	Inception single shot multi-box detector with affinity propagation clustering and their application in multi-class vehicle counting. *Applied Intelligence*, **2021**, 51, 4714-4729	4.9	4
51	A nonlocal maximum likelihood estimation method for enhancing magnetic resonance phase maps. *Signal, Image and Video Processing*, **2017**, 11, 913-920	1.6	3
50	POLARIZATION DIFFERENCE SMOOTHING IN BISTATIC MIMO RADAR. *Progress in Electromagnetics Research Letters*, **2020**, 88, 67-74	0.5	3
49	Yield Estimation of Chilli Crop using Image Processing Techniques **2020**,		3

48	Integrated polarisation and diversity smoothing algorithm for DOD and DOA estimation of coherent targets. *IET Signal Processing*, **2018**, 12, 447-453	1.7	3
47	Image security using DES and RNS with reversible watermarking **2014**,		3
46	Micro-CT image reconstruction based on alternating direction augmented Lagrangian method and total variation. *Computerized Medical Imaging and Graphics*, **2013**, 37, 419-29	7.6	3
45	Formulating Particle Swarm Optimization based Generalized Kernel Function for Kernel-Linear Discriminant Analysis. *Procedia Technology*, **2012**, 6, 517-525		3
44	Sonar target detection by modified adaptive noise cancellation using correlating filter. *International Journal of Electronics*, **2011**, 98, 41-60	1.2	3
43	Redundancy reduced depthwise separable convolution for glaucoma classification using OCT images. *Biomedical Signal Processing and Control*, **2022**, 71, 103192	4.9	3
42	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	6.9	3
41	A novel wavelet based denoising algorithm using level dependent thresholding **2014**,		2
40	Iterative method for CT image reconstruction from reduced number of projection views **2013**,		2
39	A novel method for text and non-text segmentation in document images **2013**,		2
38	Fast computation of PCA bases of image subspace using its inner-product subspace. *Applied Mathematics and Computation*, **2013**, 219, 6729-6732	2.7	2
37	Formulating particle swarm optimization based membership linear discriminant analysis. *Swarm and Evolutionary Computation*, **2013**, 12, 65-73	9.8	2
36	On application of OMP and CoSaMP algorithms for DOA estimation problem **2017**,		2
35	Coherent targets DOA estimation with electromagnetic vector sensors in MIMO radar **2015**,		2
34	Performance analysis of Raptor codes in Wi-Max systems over fading channel **2008**,		2
33	2D Direction Finding of Coherent Sources Using Three Parallel Sparse Arrays with Less Computational Complexity. *Circuits, Systems, and Signal Processing*, **2021**, 40, 4576-4593	2.2	2
32	SPATIAL AND POLARIZATION ANGLE ESTIMATION OF MIXED-TARGETS IN MIMO RADAR. *Progress in Electromagnetics Research M*, **2019**, 82, 49-59	0.6	1
31	An Indirect Method to Estimate Sweet Lime Weight through Machine Learning Algorithm **2020**,		1

30	Outage performance analysis of dual-hop multi-relay decode-and-forward system for asymmetric fading channels **2016**,		1
29	Pedestrian classification in partial occlusion **2017**,		1
28	Endoscopic image compression based on Double Density Discrete Wavelet Transform and SPIHT coding **2011**,		1
27	Line removal technique for document and non document images **2011**,		1
26	A new L-shape 2-dimensional angle of arrival estimation based on Propagator Method **2008**,		1
25	A New Fast Convergence Adaptive Algorithm **2007**,		1
24	A strict bound for dimension of measurement matrix for CS beamformer MUSIC algorithm **2016**,		1
23	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	1
22	Analysis of GSM-SM Over (kappa -mu), (eta -mu) and (alpha -mu) Fading Channels. *Wireless Personal Communications*, **2021**, 117, 2679-2693	1.9	1
21	An Adaptive Enhancement method for Low Contrast Color Retinal Images based on Strucural Similarity **2018**,		1
20	Fast approach for moving vehicle localization and bounding box estimation in highway traffic videos. *Signal, Image and Video Processing*, **2021**, 15, 1041-1048	1.6	1
19	Ground-based 4d trajectory prediction using bi-directional LSTM networks. *Applied Intelligence*,1	4.9	1
18	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	1.9	0
17	Pothole and Speed Bump Classification Using a Five-Layer Simple Convolutional Neural Network. *Advances in Intelligent Systems and Computing*, **2021**, 491-499	0.4	0
16	Reduction of PAPR in OTFS using Normalized μlaw and A -law companding transform. *Internet Technology Letters*,	1.3	0
15	AN AUTOMATED METHOD TO DETECT AGE-RELATED MACULAR DEGENERATION FROM OPTICAL COHERENCE TOMOGRAPHIC IMAGES. *Biomedical Engineering - Applications, Basis and Communications*,2150036	0.6	0
14	Classification and Indirect Weighing of Sweet Lime Fruit through Machine Learning and Meta-heuristic Approach. *International Journal of Fruit Science*, **2021**, 21, 528-545	1.2	0
13	Fusion of gradient and feature similarity for Keyframe extraction. *Multimedia Tools and Applications* , **2021**, 80, 15429-15467	2.5	0

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12	An efficient densely connected convolutional neural network for identification of plant diseases. *Multimedia Tools and Applications*,1	2.5	0
11	Fractional weighted nuclear norm based two dimensional linear discriminant features for cucumber leaf disease recognition. *Multimedia Tools and Applications*,1	2.5	0
10	Active bearing estimation from a mobile two-dimensional array of sensors. *IET Signal Processing*, **2010**, 4, 55	1.7	
9	A Combination of 2DLDA and LDA Approach for Fruit-Grade Classification with KSVM. *Advances in Intelligent Systems and Computing*, **2021**, 171-178	0.4	
8	A Machine Learning Based Approach for Prediction of Actual Landing Time of Scheduled Flights. *Advances in Intelligent Systems and Computing*, **2021**, 755-766	0.4	
7	Balanced GHM Mutiwavelet Transform based Contrast Enhancement Technique for Dark Images using Dynamic Stochastic Resonance. *Intelligent Automation and Soft Computing*,1-14	2.6	
6	Outage Capacity Performance Analysis of Dual-Hop Multiple-Relay Decode-and-Forward System for Generalized (boldsymbol{eta})-(boldsymbol{mu}) Fading Channel. *Advances in Intelligent Systems and Computing*, **2017**, 643-651	0.4	
5	2-D DOA Estimation of Coherent Wideband Signals Using L-Shaped Sensor Array. *Communications in Computer and Information Science*, **2011**, 179-188	0.3	
4	An Efficient Two Dimensional Multiple Real-Valued Sinusoidal Signal Frequency Estimation Algorithm. *Lecture Notes in Electrical Engineering*, **2013**, 99-111	0.2	
3	Novel 2D Real-Valued Sinusoidal Signal Frequencies Estimation Based on Propagator Method. *Advances in Intelligent Systems and Computing*, **2014**, 305-315	0.4	
2	Scatter Matrix versus the Proposed Distance Matrix on Linear Discriminant Analysis for Image Pattern Recognition. *Smart Innovation, Systems and Technologies*, **2014**, 101-108	0.5	
1	Content-Based Video Retrieval Using Integration of Curvelet Transform and Simple Linear Iterative Clustering. *International Journal of Image and Graphics*,2250018	0.5	