

## Anandhakumar P

Professor and Head Image processing Multimedia and Cloud Artificial Intelligence Computer Vision

	All	Since 2015
Citations	260	145
h-index	8	6
i10-index	6	2

TITLE	CITED BY	YEAR
An integrated color and texture feature based framework for content based image retrieval using 2D Wavelet Transform V Balamurugan, P AnandhaKumar 2008 International Conference on Computing, Communication and Networking, 1-16	22	2008
Brain tissue classification of MR images using fast Fourier transform based expectation-maximization Gaussian mixture model R Ramasamy, P Anandhakumar Advances in Computing and Information Technology, 387-398	19	2011
Neuro-fuzzy based clustering approach for content based image retrieval using 2D-wavelet transform VBP Anandhakumar Int. J. of Recent Trends in Engineering and Technology 1 (1)	15 *	2009
Segmentation and identification of brain tumor MRI image with Radix4 FFT techniques R Rajeswari, P Anandhakumar European Journal of Scientific Research 52 (1), 100-109	14	2011
Lifetime extension of wireless sensor network by selecting two cluster heads and hierarchical routing B Meenakshi, P Anandhakumar Proceedings of the International Conference on Advances in Computing	11	2012
Image Segmentation and Identification of Brain Tumor using FFT Techniques of MRI Image R Rajeswari, P Anandhakumar ACEEE International Journal on Communication 2 (02)	10	2011
Notice of Violation of IEEE Publication Principles: Location Based Hybrid Indexing Structure-R kd Tree P AnandhaKumar, J Priyadarshini, C Monisha, K Sugirtha, S Raghavan 2010 First International Conference on Integrated Intelligent Computing, 140-145	9	2010
Brain Tumor Identification in MRI with BPN Classifier and Orthonormal Operators R Meenakshi, P Anandhakumar European Journal of Scientific Research 85 (4), 559-569	8	2012
Multiresolution image indexing technique based on texture features using 2D wavelet transform V Balamurugan, P Anandhakumar	8	2011

European Journal of Scientific Research 84 (4), 648-664

TITLE	CITED BY	YEAR
Wavelet statistical texture features with orthogonal operators tumour classification in magnetic resonance imaging brain R Meenakshi, P Anandhakumar American Journal of Applied Sciences 10 (10), 1154	7	2013
Dynamic scheduler-a pervasive healthcare system in smart hospitals using RFID GN Priya, P Anandhakumar, KG Maheswari Computing, Communication and Networking, 2008. ICCCn 2008. International	7	2008
Optimization of energy consumption by fuzzy based routing in wireless sensor network  B Meenakshi, P Anandhakumar IOSR J. of Electronics and Commun. Engineering 2 (1), 31-35	or 6	2012
Automatic segmentation of echocardiographic images using full causal hidde Markov model A Suphalakshmi, P Anandhakumar European Journal of Scientific Research ISSN., 585-594	n 6	2009
An Optimizing Query Processor with an Efficient Caching Mechanism for Distributed Databases. S Prabha, A Kannan, PA Kumar Int. Arab J. Inf. Technol. 3 (3), 231-236	6	2006
A novel approach for secure ATM transactions using fingerprint watermarking R AshokaRajan, R Angelinjosphia, PVS Gayathri, T Rajendran, 2013 Fifth International Conference on Advanced Computing (ICoAC), 547-552	5	2013
A novel approach for secure ATM transactions using fingerprint watermarking R AshokaRajan, R Angelinjosphia, PVS Gayathri, T Rajendran, 2013 Fifth International Conference on Advanced Computing (ICoAC), 547-552	5	2013
A rotation invariant pattern operator for texture characterization R Suguna, P Anandhakumar International Journal of Computer Science and Network Security 10 (4), 120-129	5	2010
Neural network based efficient knowledge discovery in hospital databases using RFID technology G NaliniPriya, P AnandhaKumar TENCON 2008-2008 IEEE Region 10 Conference, 1-6	5	2008
Human action analysis using K-NN classifier G Akilandasowmya, P Sathiya, P AnandhaKumar 2015 Seventh international conference on advanced computing (ICoAC), 1-7	4	2015
Cluster Based Time Division Multiple Access Scheduling Scheme for Zigbee Wireless Sensor Networks B Meenakshi, P Anandhakumar Journal of Computer Science 8 (12), 1979	4	2012

TITLE	CITED BY	YEAR
Cluster Based Time Division Multiple Access Scheduling Scheme for Zigbee Wireless Sensor Networks B Meenakshi, P Anandhakumar Journal of Computer Science 8 (12), 1979	4	2012
Performance analysis of classifiers for multivariate coronary artery disease dataset using renowned metrics G Nalinipriya, A Kannan, P Anandhakumar European Journal of Scientific Research 86 (4), 565-572	4	2012
An improved fast watershed algorithm based on finding the shortest paths wi breadth first search A Suphalakshmi, P Anandhakumar	th 4	2012
Design, simulation and FPGA implementation of a novel router for bulk flow TCP in optical IP networks V Parthasarathy, P Anandakumar, V Rajamani IAENG International Journal of Computer Science 38 (4), 343-349	4	2011
An Efficient Ball Detection Framework for Cricket BL Velammal, PA Kumar International Journal of Computer Science Issues (IJCSI) 7 (3), 30	4	2010
An improved fast watershed algorithm for image segmentation A Suphalakshmi, S Narendran, P Anandhakumar International Journal of Computational Vision and Robotics 1 (3), 251-260	4	2010
Performance Analysis of Slotted Optical Packet Switching Scheme in Non- Uniform Traffic Pattern Using Reservation Bit Technique A Kavitha, V Rajamani, PA Kumar INFOCOMP Journal of Computer Science 8 (4), 71-78	4	2009
Probabilistic collision estimation for tracked vehicles based on corner point self-activation approach P Sathiya, P Anandhakumar Computers & Electrical Engineering 74, 557-568	3	2019
A hybrid brain tumor classification and detection mechanism using KNN and HMM R Meenakshi, P Anandhakumar Current Medical Imaging 11 (2), 70-76	3	2015
Modified RPCA with Hessian matrix for object detection in video surveillance on highways K Kiruba, P Sathiya, P AnandhaKumar 2014 Sixth International Conference on Advanced Computing (ICoAC), 242-247	3	2014
OF estimation based on curved Gabor Filter for fingerprint image enhancement RA Rajan, N Sudha, PA Kumar 2013 Fifth International Conference on Advanced Computing (ICoAC), 405-412	3	2013

TITLE	CITED BY	YEAR
Fuzzy based energy efficient clustering technique for ZigBee (802.15. 4) Sensor Networks B Meenakshi, P Anandhakumar Eur. J. Sci. Res 80, 93-108	3	2012
Indexing and querying technique for dynamic location updates using r kd trajectory trie tree J Priyadarshini, P AnandhaKumar, M Aparna, JK Geetha, N Shobana 2011 International Conference on Recent Trends in Information Technology	3	2011
Multi-Label Image Segmentation for Medical Applications Based on Graph-Cuts R Rajeswari, P Anandhakumar International Journal of Computer Science and Information Security 8 (5	3 *	2010
BFTCP: Performance analysis for routing in optical network V Parthasarathy, V Rajamani, P Anandakumar 2009 International Conference on Control, Automation, Communication and	3	2009
Meta data identification through mirror neurons R Meenakshi, P AnandhaKumar 2008 International Conference on Computing, Communication and Networking, 1-6	3	2008
Feature subset selection for irrelevant data removal using Decision Tree Algorithm  DP Evangeline, C Sandhiya, P Anandhakumar, GD Raj, T Rajendran 2013 Fifth International Conference on Advanced Computing (ICoAC), 268-274	2	2013
A knowledgeable decision tree classification model for multivariate heart disease data-A boon to healthcare G NaliniPriya, A Kannan, P AnandhaKumar International Symposium on Intelligence Computation and Applications, 459-467	2	2012
Reduction of server load using caching and replication in peer-to-peer networ E Divya, R Sivakoumar, P Anandhakumar 2012 International Conference on Recent Trends in Information Technology	rk 2	2012
Multi-level local binary pattern analysis for texture characterization R Suguna, P Anandhakumar International Conference on Advances in Computing and Information Technology	2	2011
Occlusion detection and object tracking using filter banks P Anandhakumar, J Priyadarshini, L Rajeswari, S Srividhya, CK Niveditha 2011 International Conference on Recent Trends in Information Technology	2	2011
A novel feature extraction technique for texture discrimination using orthogonal polynomial operators R Suguna, P Anandhakumar European Journal of Scientific Research 51 (4), 550-563	2	2011
Dynamic Content Adaptation for Multimedia Content in Handheld Devices BL Velammal, PA Kumar Journal of Computer Science and Engineering 2 (1)	2	2010

TITLE	CITED BY	YEAR
Mobility Management for Seamless Flow of Real Time Information in Heterogeneous Networks A Macriga, PA Kumar 2009 IEEE International Conference on Services Computing, 524-527	2	2009
The new integrated color and texture based image retrieval using neuro-fuzzy approach P Anandhakumar, V Balamurugan 2009 International Conference on Intelligent Agent & Multi-Agent Systems, 1-8	2	2009
Performance Analysis for Contention Resolution in Bulk Flow TCP Routing to optical IP Networks through Simulation V Parthasarathy, P Anandakumar, V Rajamani INFOCOMP Journal of Computer Science 8 (2), 95-101	2	2009
Partial image retrieval system using sub tree matching P Anandhakumar, MB Raja, A Kannan WSEAS Transactions on Computers 4 (4), 411-416	2	2005
A Rule based approach for image segmentation in echocardiac images S Renukadevi, P Anandhakumar, KM Mehata National conference on advanced machine vision systems for Societal	2	2004
A new GLoSM embedded virtual machine model for big data services in cloud storage systems KK Arasan, P Anandhakumar Cluster Computing 22 (1), 399-405	l 1	2019
Non-rigid Registration of Brain MR Images for Image Guided Neurosurgery Using Cloud Computing DP Evangeline, P Anandhakumar Computer Aided Intervention and Diagnostics in Clinical and Medical Images	1	2019
Human detection in public environment using GHOG: Gaussian of mixtures &Histogram of Oriented Gradients D Sowmiya, M Haritha, P AnandhaKumar 2013 Fifth International Conference on Advanced Computing (ICoAC), 263-267	1	2013
An Efficient Classification Analysis for Multivariate Coronary Artery Disease Data Patterns Using Distinguished Classifier Techniques G NaliniPriya, A Kannan, P Anandhakumar Proceedings of the Fourth International Conference on Signal and Image	1	2013
Efficient Knowledge Discovery in smart environments-A Trend analysis G NaliniPriya, P AnandhaKumar Proceeding of National Conference Tech2011 February	1	2011
Flexible Content Browsing for Impaired e-Learners BL Velammal, PA Kumar International Journal of Computer Applications 27 (3), 0975-8887	1	2011

TITLE	CITED BY	YEAR
Feature-based adaptive tolerance tree (FATT): an efficient indexing technique for content-based image retrieval using wavelet transform DP AnandhaKumar, V Balamurugan arXiv preprint arXiv:1004.1229	e <del>1</del>	2010
Feature-based adaptive tolerance tree (FATT): an efficient indexing technique for content-based image retrieval using wavelet transform DP AnandhaKumar, V Balamurugan arXiv preprint arXiv:1004.1229	e 1	2010
Dynamic leadership algorithm for hierarchical multi-smart robot coordination atomic power plants J Priyadarshini, AE Perumal, P Anandhakumar, S Venugopal 2009 International Conference on Advances in Recent Technologies in	in 1	2009
Novel Bulk Flow TCP: Performance study to resolve contention under wavelength domain V Parthasarathy, V Rajamani, P Anandakumar 2009 International Conference on Control, Automation, Communication and	1	2009
A Full Causal Two Dimensional Hidden Markov Model for Image Segmentation A Suphalakshmi, S Narendran, P Anandhakumar 2009 IEEE International Advance Computing Conference, 442-445	1	2009
Object Oriented Database Approach for Context Aware Services in Distribute Pervasive Healthcare Environment G NaliniPriya, P AnandhaKumar Proceeding of National Conference NCACA, February	ed 1	2009
Transtexture based segmentation of echocardiographic images A Suphalakshmi, S Narendran, P Anandhakumar 2008 International Conference on Computing, Communication and Networking, 1-7	1	2008
Training goal keeper robot using emotion and history based learning method S Kanthimathinathan, PG Prabhu, SJP Kumar, PA Kumar International Conference on Intelligent Sensing and Information Processing	1	2004
Tracking and quantification of left ventricle borders in echocardiographic images with improved segmentation techniques  LA Supha Chennai	1	
RMF based target position estimation and collision probability forecasting technique in freeway junctions S Pappan, P Anandhakumar International journal of heavy vehicle systems 27 (1-2), 145-163		2020
Cauchy Mixture Model-based Foreground Object Detection with New Dynam Learning Rate Using Spatial and Statistical information for Video Surveillance Applications D Sowmiya, P Anandhakumar Proceedings of the National Academy of Sciences, India Section A: Physical		2019

TITLE	CITED BY	YEAR
QoS-Aware Live Multimedia Streaming Using Dynamic P2P Overlay for Cloud-Based Virtual Telemedicine System (CVTS) DP Evangeline, P Anandhakumar Advances in Big Data and Cloud Computing, 71-81		2019
QoS-Aware Live Multimedia Streaming Using Dynamic P2P Overlay for Cloud-Based Virtual Telemedicine DP Evangeline, P Anandhakumar Advances in Big Data and Cloud Computing: Proceedings of ICBDCC18 750, 71		2018
Human Detection and Segmentation Using Automatic Geodesic Active Contours for Vision Based Activity Recognition Applications D Sowmiya, P Anandhakumar Journal of Computational and Theoretical Nanoscience 15 (2), 409-416		2018
AB Divergence for Fine Tuning Subject Wise Person Re-Identification Performance VS Harikrishnan, D Sowmiya, P Anandhakumar Proceedings of 2nd International Conference on Computer Vision & Image		2018
Multi-Biometric Cryptosystem Based on Generation of Graphs Using Feature Vectors RA Rajan, P Anandhakumar Journal of Computational and Theoretical Nanoscience 14 (12), 5837-5843	Э	2017
Human Activity Recognition Based On 2d Texture Signal Pattern Analysis AP Sathiya P Online Journal Of Communication And Media Technologies		2016
PoHM:A Novel Approach For Managing QoS In Live Transcoding Using Cloubased Heterogeneous Map Reduce Model E D. Preetha Evangeline, Farzana Banu, Anandhakumar P International Journal Of Research And Scientific Innovation 3 (4), 69-76	ud	2016
A Novel Bandwidth Allocation Algorithm For Mobile Devices In Multimedia Cloud DPEP Anandhakumar International Journal Of Computer Trends And Technology 34 (1), 15-22		2016
A Novel Cloud Based Scheduling Strategy to Perform Transcoding for H. 26-Real-Time Streaming DP Evangeline, A Palanisamy Asian Journal of Information Technology 15 (14), 2473-2482	4	2016
SOHO-Self Organizing Hybrid Overlay for P2P Live Streaming D Preetha Evangeline, P Anandhakumar Transylvanian Review 24 (7), 872-884		2016
From P2P to cloud based P2P for live media streaming—A survey DP Evangeline, P AnandhaKumar 2015 Seventh International Conference on Advanced Computing (ICoAC), 1-13		2015

TITLE	CITED BY	YEAR
Improved identification of peers using enhanced gossip++ protocol in NAT DP Evangeline, P AnandhaKumar 2015 Seventh International Conference on Advanced Computing (ICoAC), 1-6		2015
An efficient mechanism for storing photo albums on cloud storage DP Evangeline, VCP Edward, P Anandhakumar 2015 Seventh International Conference on Advanced Computing (ICoAC), 1-4		2015
Message P Anandhakumar 2014 Sixth International Conference on Advanced Computing (ICoAC), 1-1		2014
Combined additive and multiplicative modulo encryption and transformation approach for finger print template security C Balaji, RA Rajan, PA Kumar 2014 Sixth International Conference on Advanced Computing (ICoAC), 268-275		2014
Research challenges in multimedia & cloud computing P Anandhakumar 2014 Sixth International Conference on Advanced Computing (ICoAC), 1-6		2014
Stabilizing the performance and fairness in dynamic p2p system using Do or Die incentive mechanism DP Evangeline, R Asha, P Anandhakumar 2014 Sixth International Conference on Advanced Computing (ICoAC), 229-236		2014
Efficient Cluster Based Processing of Joint Top—K Spatial Keyword Queries AS Kumar, P Anandhakumar Asian Journal of Information Technology 13 (11), 678-683		2014
HOD's message P Anandhakumar 2013 Fifth International Conference on Advanced Computing (ICoAC), 1-1		2013
Efficient Priority Queue algorithm and Strainer mode Technique for identification and eradication of duplications in XML records P Anandhakumar, GD Raj, T Rajendran 2013 Fifth International Conference on Advanced Computing (ICoAC), 106-113		2013
Traffic free routing using Path Load Factor in Wireless Sensor Networks B Meenakshi, P Anandhakumar Information Technology Journal 12 (5), 1050		2013
Intelligent multiple objects tracking techniques for location updates with occlusion handling in a dynamic environment J Priyadarshini Chennai		2012
An Assessment on Neuro-Stastistical Classification Algorithms for the Diagnosis of Multivariate Heart Disease Dataset G NaliniPriya, A Kannan, P Ananahakumar International Journal of Recent Trends in Engineering and Technology 7 (1		2012

TITLE	CITED BY	YEAR
DYNAMIC CONTEXT ADAPTATION FOR DIAGNOSING THE HEART DISEASE IN HEALTHCARE ENVIRONMENT USING OPTIMIZED ROUGH SET APPROACH GN Priya, A Kannan, P Ananahakumar International Journal on Soft Computing 3 (2), 23		2012
Neighbour Cache Based Video Streaming in a Peer to Peer Mesh Network R Sivakoumar, P Anandhakumar European Journal of Scientific Research 71 (3), 443-451		2012
Dynamic Location Updates and Collision Avoidance for Multiple Objects using Agent based Framework J Priyadarshini, P Anandhakumar European Journal of Scientific Research 79 (3), 337-352	)	2012
A Novel Energy efficient Surface water Wireless Sensor Network Algorithm B Meenakshi, P Anandhakumar IndJCSE 3 (3), 494-505		2012
Evaluation of BER in Optical Packet Switching Using Various Coding Schemes A Kavitha, V Rajamani, P Anandhakumar Key Engineering Materials 500, 258-262		2012
Performance evaluation of delay in optical packet switching using various traffic patterns A Kavitha, V Rajamani, PA Kumar Current Science(Bangalore) 101 (11), 1462-1467		2011
Finding Optimal Set of Orthogonal Polynomial Operators for Efficient Texture Feature Extraction R Suguna, P Anandhakumar International Conference on Digital Image Processing and Information		2011
BL Velammal PA Kumar		2011
An improved fast watershed algorithm for segmentation of echocardiographic images A Suphalakshmi, S Narendran, P Anandhakumar 2010 International Conference on Signal and Image Processing, 90-95		2010
Fingerprint Recognition using Orthogonal Polynomial Based Transform R Suguna, P Anandhakumar Int. J. of Recent Trends in Engineering and Technology 4 (1)		2010
Dynamic caching and replacing mechanism for multiple videos over Quality C Service networks R Sivakoumar, P Anandhakumar, S Sabarish, J Hariprasad, B Murugan 2010 First International Conference on Integrated Intelligent Computing, 296-301	)f	2010

TITLE	CITED BY	YEAR
Seamless Data Services for Real Time Communication in a Heterogeneous Networks using Network Tracking and Management DPA Kumar arXiv preprint arXiv:1004.1674		2010
V. Parthasarathy P. Anandakumar V. Rajamani P Anandakumar		2010
Double Cluster Head Analogy for Reliable Wireless Sensor Network B Meenakshi, P Anandhakumar Wireless Communication 2 (4)		2010
An Efficient Feature Extraction Technique for Texture Learning R Suguna, P Anandhakumar International Journal of Computer Science and Information Security 8 (2), 21-28		2010
An Effective Color and Texture Feature Based Image Retrieval Technique For Medical Images Using Relevance Feedback V Balamurugan, P Anandhakumar, S Nivaneethakrishnan, N Venkatesan Proceedings of the Int. Conf. on Information Science and Applications ICISA	r	2010
A Numerical Model of a Bulk Flow TCP and its Routing Performance Analysis for the Optical IP Networks V Parthasarathy, P Anandakumar, V Rajamani International Journal of Computer Applications 975, 8887	3	2010
Performance analysis of coding techniques to find BER in optical transmissio A Kavitha, V Rajamani, P AnandhaKumar 2009 First International Conference on Advanced Computing, 21-27	n	2009
A Noise Resistive Transtexture Based Delineation of Left Ventricle in Echocardiographic Images A Suphalakshmi, P Anandhakumar International Journal of Recent Trends in Engineering 1 (1), 88		2009
Annotations Using Committee Machines Through Mirror Neurons R Meenakshi, P AnandhaKumar International Journal of Recent Trends in Engineering 1 (3), 162		2009
Automatic Segmentation of Echocardiographic Images A Suphalakshmi, P Anandhakumar Proceedings Second International Conference on Information Processing, 149		2008
SEASONS: A SCALABLE 4-TIER CLOUD ARCHITECTURE FOR HANDLING HETEROGENEITY OF MOBILE DEVICES IN LIVE MULTIMEDIA STREAMING D Preetha Evangeline, P Anandhakumar	G	2006
Suphalakshmi. A P Anandhakumar Intelligence 13 (6), 583-598		1991

TITLE CITED BY YEAR

Improved QoS in cloud based peer to peer live streaming using self organizing hybrid overlay and resource allocation methodologies

P Anandhakumar

Chennai

Multimedia content adaptation framework using improved cache indexing scheme and emotion based video summarization technique applications BL Velammal

Chennai

## A HEURISTIC APPROACH FOR GRAPH COLORING USING COMBINATORICS

J PRIYADARSHINI, P ANANDHAKUMAR, S SRINIVASAN, ...

Human Activity Recognition Based On 2d Texture Signal Pattern Analysis P Sathiya, P AnandhaKumar

Brain tumor classification using orthogonal polynomial based composite operators for mri

R Meenakshi

Chennai

PoHM: A Novel Approach for Managing QoS in Live Transcoding using Cloud based Heterogeneous Map Reduce Model

D Preetha Evangeline, K Farzana Banu, CPE Anandhakumar Palanisamy

Feature based adaptive tolerance tree fatt an efficient indexing technique for content based image retrieval using 2d wavelet transform

V Balamurugan

Chennai

Energy efficient traffic free routing on double cluster head wireless sensor network architecture

B Meenakshi

Chennai

Mobility management for seamless flow of real time information in wireless networks

A Macriga

Chennai

An Intelligent System for Exact Word Retrieval in Document Databases M Marikkannan, P Anandhakumar, A Kannan

Seamless Information Flow in a Heterogeneous Networks using Mobility Management

PA Kumar