

# Girija Chetty

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

680  
citations

1162889

8  
h-index

940416

16  
g-index

94  
all docs

94  
docs citations

94  
times ranked

632  
citing authors

#	ARTICLE	IF	CITATIONS
1	A low resource 3D U-Net based deep learning model for medical image analysis. International Journal of Information Technology (Singapore), 2022, 14, 95-103.	1.8	11
2	MS UNet: Multi-scale 3D UNet for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2022, , 30-41.	1.0	6
3	Deep Learning Based Decision Support Framework for Cardiovascular Disease Prediction. , 2021, , .		1
4	Genetic algorithms for the travelling salesman problem: a crossover comparison. International Journal of Information Technology (Singapore), 2020, 12, 209-213.	1.8	9
5	Machine Learning Based Models for Cardiovascular Risk Prediction. , 2018, , .		20
6	Biomedical Named Entity Recognition Based on Hybrid Multistage CNN-RNN Learner. , 2018, , .		3
7	Cardiovascular Risk Prediction Based on XGBoost. , 2018, , .		18
8	Lifting Wavelet Transform based Fast Watermarking of Video Summaries using Extreme Learning Machine. , 2018, , .		5
9	Customer Life Time Value Model Framework Using Gradient Boost Trees with RANSAC Response Regularization. , 2018, , .		3
10	Neuro Fuzzy Architecture for Gray Scale Image Watermarking using Fractal Dimensions. , 2018, , .		4
11	Oral supplementation of specific collagen peptides accelerates improvement in Achilles tendon pain and function in combination with a tailored exercise program. Journal of Bodywork and Movement Therapies, 2018, 22, 862-863.	0.5	2
12	Optimization of Scaling Factors for Image Watermarking Using Harmony Search Algorithm. Lecture Notes in Computer Science, 2018, , 422-434.	1.0	0
13	Clinical Name Entity Recognition Based on Recurrent Neural Networks. , 2018, , .		7
14	A distributed smart fusion framework based on hard and soft sensors. International Journal of Information Technology (Singapore), 2017, 9, 19-31.	1.8	8
15	PHIs (Protected Health Information) identification from free text clinical records based on machine learning. , 2017, , .		1
16	A Multilevel NER Framework for Automatic Clinical Name Entity Recognition. , 2017, , .		4
17	A Novel Data Mining Testbed for User Centred Modelling and Personalisation of Digital Library Services. , 2017, , .		2
18	Chronic disease risk monitoring based on an innovative predictive modelling framework. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Body sensor networks for human activity recognition. , 2016, , .		17
20	Automated visibility map of the internal colon surface from colonoscopy video. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1599-1610.	1.7	12
21	Uninformative Frame Detection in Colonoscopy Through Motion, Edge and Color Features. Lecture Notes in Computer Science, 2016, , 153-162.	1.0	4
22	Investigation into Interoperability in Cloud Computing: An Architectural Model. Journal of Computers, 2016, 11, 159-168.	0.4	2
23	Illumination Invariant Efficient Face Recognition Using a Single Training Image. , 2015, , .		1
24	Analysing the Robust EEG Channel Set for Person Authentication. Lecture Notes in Computer Science, 2015, , 162-173.	1.0	11
25	Smart Phone Based Data Mining for Human Activity Recognition. Procedia Computer Science, 2015, 46, 1181-1187.	1.2	71
26	Energy Efficient Data Mining Scheme for High Dimensional Data. Procedia Computer Science, 2015, 46, 483-490.	1.2	8
27	Pruned Annular Extreme Learning Machine Optimization Based on RANSAC Multi Model Response Regularization. Proceedings in Adaptation, Learning and Optimization, 2015, , 163-182.	1.5	3
28	Visibility Map: A New Method in Evaluation Quality of Optical Colonoscopy. Lecture Notes in Computer Science, 2015, , 396-404.	1.0	8
29	A Novel Sensor Selection Scheme for Energy Efficient Environment Monitoring of Wireless Sensor Networks. Journal of Advances in Computer Networks, 2015, 3, 335-338.	0.2	0
30	Email Personalization and User Profiling Using RANSAC Multi Model Response Regression Based Optimized Pruning Extreme Learning Machines and Gradient Boosting Trees. Lecture Notes in Computer Science, 2015, , 302-309.	1.0	2
31	Sensor Selection Scheme in Wireless Sensor Networks : A New Routing Approach. , 2015, , .		0
32	An Optimal Approach for Pruning Annular Regularized Extreme Learning Machines. , 2014, , .		2
33	Multiview gait biometrics for human identity recognition. , 2014, , .		2
34	Multimodal activity recognition based on automatic feature discovery. , 2014, , .		4
35	A Novel Scene Based Robust Video Watermarking Scheme in DWT Domain Using Extreme Learning Machine. Adaptation, Learning, and Optimization, 2014, , 209-225.	0.5	6
36	Protein Folding Recognition. , 2014, , 265-273.		0

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37	A Novel Multimodal Data Analytic Scheme for Human Activity Recognition. IFIP Advances in Information and Communication Technology, 2014, , 449-458.	0.5	0
38	Understanding the Brain via fMRI Classification. , 2014, , 703-711.		1
39	Multimodal Feature Learning for Gait Biometric Based Human Identity Recognition. Lecture Notes in Computer Science, 2013, , 721-728.	1.0	12
40	Gait recognition based on gait pal and pal entropy image. , 2013, , .		45
41	Fuzzy texture descriptors for early diagnosis of osteoarthritis. , 2013, , .		3
42	Person identification in surveillance video using gait biometric cues. , 2012, , .		4
43	A Novel Approach to Protein Structure Prediction Using PCA Based Extreme Learning Machines and Multiple Kernels. Lecture Notes in Computer Science, 2012, , 292-299.	1.0	1
44	A novel image watermarking scheme using Extreme Learning Machine. , 2012, , .		34
45	A multi-modal gait based human identity recognition system based on surveillance videos. , 2012, , .		3
46	A Novel Approach to Protein Structure Prediction Using PCA or LDA Based Extreme Learning Machines. Lecture Notes in Computer Science, 2012, , 492-499.	1.0	1
47	A Hybrid Approach to Increase the Performance of Protein Folding Recognition Using Support Vector Machines. Lecture Notes in Computer Science, 2012, , 660-668.	1.0	2
48	A Novel Feature Selection Scheme for Energy Efficient Wireless Sensor Networks. Lecture Notes in Computer Science, 2012, , 264-273.	1.0	1
49	Development of a Smart e-Health Portal for Chronic Disease Management. Lecture Notes in Computer Science, 2012, , 284-291.	1.0	3
50	A Novel Machine Learning Approach for Detecting the Brain Abnormalities from MRI Structural Images. Lecture Notes in Computer Science, 2012, , 94-105.	1.0	24
51	Hybrid Approach for Diagnosing Thyroid, Hepatitis, and Breast Cancer Based on Correlation Based Feature Selection and Naïve Bayes. Lecture Notes in Computer Science, 2012, , 272-280.	1.0	3
52	Using Hybrid Neural Networks for Identifying the Brain Abnormalities from MRI Structural Images. Lecture Notes in Computer Science, 2012, , 465-472.	1.0	2
53	Combination of Physiological and Behavioral Biometric for Human Identification. Lecture Notes in Computer Science, 2012, , 380-393.	1.0	0
54	Multi-view Gait Fusion for Large Scale Human Identification in Surveillance Videos. Lecture Notes in Computer Science, 2012, , 527-537.	1.0	0

#	ARTICLE	IF	CITATIONS
55	Gait Based Human Identity Recognition from Multi-view Surveillance Videos. Lecture Notes in Computer Science, 2012, , 319-328.	1.0	1
56	Classification of gender and face based on gradient faces. , 2011, , .		5
57	Multimodal Face-Gait Fusion for Biometric Person Authentication. , 2011, , .		7
58	Blind Video Tamper Detection Based on Fusion of Source Features. , 2011, , .		11
59	Face recognition based on Gabor features. , 2011, , .		3
60	Novel Metrics for Face Recognition Using Local Binary Patterns. Lecture Notes in Computer Science, 2011, , 436-445.	1.0	3
61	Multimodal Identity Verification Based on Learning Face and Gait Cues. Lecture Notes in Computer Science, 2011, , 1-8.	1.0	16
62	Relation Learning - A New Approach to Face Recognition. Lecture Notes in Computer Science, 2011, , 566-575.	1.0	0
63	Blind Image Tamper Detection Based on Multimodal Fusion. Lecture Notes in Computer Science, 2010, , 557-564.	1.0	0
64	Biometric liveness checking using multimodal fuzzy fusion. , 2010, , .		27
65	Face Gender Recognition Based on 2D Principal Component Analysis and Support Vector Machine. , 2010, , .		11
66	Multimedia sensor fusion for retrieving identity in biometric access control systems. ACM Transactions on Multimedia Computing, Communications and Applications, 2010, 6, 1-21.	3.0	6
67	Multiclass microarray gene expression classification based on fusion of correlation features. , 2010, , .		2
68	Multimodal feature fusion for video forgery detection. , 2010, , .		1
69	Digital Video Tamper Detection Based on Multimodal Fusion of Residue Features. , 2010, , .		18
70	Robust Audio Visual Biometric Person Authentication with Liveness Verification. Studies in Computational Intelligence, 2010, , 59-78.	0.7	6
71	Identity Retrieval in Biometric Access Control Systems Using Multimedia Fusion. Lecture Notes in Computer Science, 2010, , 590-597.	1.0	1
72	Biometric person authentication with liveness detection based on audio-visual fusion. International Journal of Biometrics, 2009, 1, 463.	0.3	14

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73	Liveness Assurance in Face Authentication. , 2009, , 908-916.		1
74	Multiclass Microarray Gene Expression Analysis Based on Mutual Dependency Models. Lecture Notes in Computer Science, 2009, , 46-55.	1.0	0
75	Robust face-voice based speaker identity verification using multilevel fusion. Image and Vision Computing, 2008, 26, 1249-1260.	2.7	31
76	A Novel Shape Transformation Approach for Quantizing Facial Expressions. , 2008, , .		0
77	Investigating a two stage facial expression rating and classification technique. , 2008, , .		1
78	Comparative evaluation of two multisensory video surveillance techniques for pedestrian tracking. , 2008, , .		1
79	A robust spatio-temporal face modelling approach using 3D multimodal fusion for biometric security applications. , 2008, , .		0
80	An Agent Based Multifactor Biometric Security System. Lecture Notes in Computer Science, 2008, , 245-251.	1.0	2
81	A Robust Speaking Face Modelling Approach Based on Multilevel Fusion. , 2007, , .		0
82	Audio Visual Speaker Verification Based on Hybrid Fusion of Cross Modal Features. , 2007, , 469-478.		5
83	Multi-Level Liveness Verification for Face-Voice Biometric Authentication. , 2006, , .		46
84	Face-Voice Authentication Based on 3D Face Models. Lecture Notes in Computer Science, 2006, , 559-568.	1.0	3
85	Design and Development of Model Robots: A New Dimension in the Delivery of Electronic and Computer Engineering Programs. International Journal of Electrical Engineering and Education, 2000, 37, 249-258.	0.4	0
86	Electric Field Based Obstacle Avoidance. , 1998, , 364-368.		2
87	Multimodal Fusion for Robust Identity Authentication: Role of Liveness Checks. , 0, , .		1
88	liveness verification in audio-video authentication. , 0, , .		27
89	Audiovisual speaker identity verification based on lip motion features. , 0, , .		6