Girija Chetty

List of Publications by Year
in descending order

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	Smart Phone Based Data Mining for Human Activity Recognition. Procedia Computer Science, 2015, 46, 1181-1187.	1.2	71
2	Multi-Level Liveness Verification for Face-Voice Biometric Authentication. , 2006, , .		46
3	Gait recognition based on gait pal and pal entropy image. , 2013, , .		45
4	A novel image watermarking scheme using Extreme Learning Machine. , 2012, , .		34
5	Robust face-voice based speaker identity verification using multilevel fusion. Image and Vision Computing, 2008, 26, 1249-1260.	2.7	31
6	Biometric liveness checking using multimodal fuzzy fusion. , 2010, , .		27
7	liveness verification in audio-video authentication. , 0, , .		27
8	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
9	Machine Learning Based Models for Cardiovascular Risk Prediction. , 2018, , .		20
10	Digital Video Tamper Detection Based on Multimodal Fusion of Residue Features. , 2010, , .		18
11	Cardiovascular Risk Prediction Based on XGBoost. , 2018, , .		18
12	Body sensor networks for human activity recognition. , 2016, , .		17
13	Multimodal Identity Verification Based on Learning Face and Gait Cues. Lecture Notes in Computer Science, 2011, , 1-8.	1.0	16
14	Biometric person authentication with liveness detection based on audio-visual fusion. International Journal of Biometrics, 2009, 1, 463.	0.3	14
15	Multimodal Feature Learning for Gait Biometric Based Human Identity Recognition. Lecture Notes in Computer Science, 2013, , 721-728.	1.0	12
16	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
17	Face Gender Recognition Based on 2D Principal Component Analysis and Support Vector Machine. , 2010, , .		11
18	Blind Video Tamper Detection Based on Fusion of Source Features. , 2011, , .		11

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19	Analysing the Robust EEG Channel Set forÂPerson Authentication. Lecture Notes in Computer Science, 2015, , 162-173.	1.0	11
20	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
21	Genetic algorithms for the travelling salesman problem: a crossover comparison. International Journal of Information Technology (Singapore), 2020, 12, 209-213.	1.8	9
22	Energy Efficient Data Mining Scheme for High Dimensional Data. Procedia Computer Science, 2015, 46, 483-490.	1.2	8
23	A distributed smart fusion framework based on hard and soft sensors. International Journal of Information Technology (Singapore), 2017, 9, 19-31.	1.8	8
24	Visibility Map: A New Method in Evaluation Quality of Optical Colonoscopy. Lecture Notes in Computer Science, 2015, , 396-404.	1.0	8
25	Multimodal Face-Gait Fusion for Biometric Person Authentication. , 2011, , .		7
26	Clinical Name Entity Recognition Based on Recurrent Neural Networks. , 2018, , .		7
27	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
28	Chronic disease risk monitoring based on an innovative predictive modelling framework. , 2017, , .		6
29	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
30	Robust Audio Visual Biometric Person Authentication with Liveness Verification. Studies in Computational Intelligence, 2010, , 59-78.	0.7	6
31	Audiovisual speaker identity verification based on lip motion features. , 0, , .		6
32	MS UNet: Multi-scale 3D UNet forÂBrain Tumor Segmentation. Lecture Notes in Computer Science, 2022, , 30-41.	1.0	6
33	Classification of gender and face based on gradient faces. , 2011, , .		5
34	Lifting Wavelet Transform based Fast Watermarking of Video Summaries using Extreme Learning Machine. , 2018, , .		5
35	Audio Visual Speaker Verification Based on Hybrid Fusion of Cross Modal Features. , 2007, , 469-478.		5
36	Person identification in surveillance video using gait biometric cues. , 2012, , .		4

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37	Multimodal activity recognition based on automatic feature discovery. , 2014, , .		4
38	A Multilevel NER Framework for Automatic Clinical Name Entity Recognition. , 2017, , .		4
39	Neuro Fuzzy Architecture for Gray Scale Image Watermarking using Fractal Dimensions. , 2018, , .		4
40	Uninformative Frame Detection in Colonoscopy Through Motion, Edge and Color Features. Lecture Notes in Computer Science, 2016, , 153-162.	1.0	4
41	Face recognition based on Gabor features. , 2011, , .		3
42	A multi-modal gait based human identity recognition system based on surveillance videos. , 2012, , .		3
43	Fuzzy texture descriptors for early diagnosis of osteoarthritis. , 2013, , .		3
44	Biomedical Named Entity Recognition Based on Hybrid Multistage CNN-RNN Learner. , 2018, , .		3
45	Customer Life Time Value Model Framework Using Gradient Boost Trees with RANSAC Response Regularization. , 2018, , .		3
46	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
47	Novel Metrics for Face Recognition Using Local Binary Patterns. Lecture Notes in Computer Science, 2011, , 436-445.	1.0	3
48	Development of a Smart e-Health Portal for Chronic Disease Management. Lecture Notes in Computer Science, 2012, , 284-291.	1.0	3
49	Face-Voice Authentication Based on 3D Face Models. Lecture Notes in Computer Science, 2006, , 559-568.	1.0	3
50	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
51	Multiclass microarray gene expression classification based on fusion of correlation features. , 2010, , .		2
52	An Optimal Approach for Pruning Annular Regularized Extreme Learning Machines. , 2014, , .		2
53	Multiview gait biometrics for human identity recognition. , 2014, , .		2
54	A Novel Data Mining Testbed for User Centred Modelling and Personalisation of Digital Library Services. , 2017, , .		2

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55	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
56	An Agent Based Multifactor Biometric Security System. Lecture Notes in Computer Science, 2008, , 245-251.	1.0	2
57	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
58	Investigation into Interoperability in Cloud Computing: An Architectural Model. Journal of Computers, 2016, 11, 159-168.	0.4	2
59	Using Hybrid Neural Networks for Identifying the Brain Abnormalities from MRI Structural Images. Lecture Notes in Computer Science, 2012, , 465-472.	1.0	2
60	Electric Field Based Obstacle Avoidance. , 1998, , 364-368.		2
61	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
62	Investigating a two stage facial expression rating and classification technique. , 2008, , .		1
63	Comparative evaluation of two multisensory video surveillance techniques for pedestrian tracking. , 2008, , .		1
64	Multimodal feature fusion for video forgery detection. , 2010, , .		1
65	Multimodal Fusion for Robust Identity Authentication: Role of Liveness Checks. , 0, , .		1
66	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
67	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
68	Illumination Invariant Efficient Face Recognition Using a Single Training Image. , 2015, , .		1
69	PHIs (Protected Health Information) identification from free text clinical records based on machine learning. , 2017, , .		1
70	A Novel Feature Selection Scheme for Energy Efficient Wireless Sensor Networks. Lecture Notes in Computer Science, 2012, , 264-273.	1.0	1
71	Liveness Assurance in Face Authentication. , 2009, , 908-916.		1
72	Identity Retrieval in Biometric Access Control Systems Using Multimedia Fusion. Lecture Notes in Computer Science, 2010, , 590-597.	1.0	1

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73	Gait Based Human Identity Recognition from Multi-view Surveillance Videos. Lecture Notes in Computer Science, 2012, , 319-328.	1.0	1
74	Understanding the Brain via fMRI Classification. , 2014, , 703-711.		1
75	Deep Learning Based Decision Support Framework for Cardiovascular Disease Prediction. , 2021, , .		1
76	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
77	A Robust Speaking Face Modelling Approach Based on Multilevel Fusion. , 2007, , .		0
78	A Novel Shape Transformation Approach for Quantizing Facial Expressions. , 2008, , .		0
79	A robust spatio-temporal face modelling approach using 3D multimodal fusion for biometric security applications. , 2008, , .		0
80	Blind Image Tamper Detection Based on Multimodal Fusion. Lecture Notes in Computer Science, 2010, , 557-564.	1.0	0
81	Optimization of Scaling Factors for Image Watermarking Using Harmony Search Algorithm. Lecture Notes in Computer Science, 2018, , 422-434.	1.0	0
82	Multiclass Microarray Gene Expression Analysis Based on Mutual Dependency Models. Lecture Notes in Computer Science, 2009, , 46-55.	1.0	0
83	Relation Learning - A New Approach to Face Recognition. Lecture Notes in Computer Science, 2011, , 566-575.	1.0	0
84	Combination of Physiological and Behavioral Biometric for Human Identification. Lecture Notes in Computer Science, 2012, , 380-393.	1.0	0
85	Multi-view Gait Fusion for Large Scale Human Identification in Surveillance Videos. Lecture Notes in Computer Science, 2012, , 527-537.	1.0	0
86	Protein Folding Recognition. , 2014, , 265-273.		0
87	A Novel Multimodal Data Analytic Scheme for Human Activity Recognition. IFIP Advances in Information and Communication Technology, 2014, , 449-458.	0.5	0
88	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
89	Sensor Selection Scheme in Wireless Sensor Networks : A New Routing Approach. , 2015, , .		0