

# Maheshkumar H Kolekar

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,044  
citations

567281

15  
h-index

552781

26  
g-index

54  
all docs

54  
docs citations

54  
times ranked

729  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning empowered COVID-19 diagnosis using chest CT scan images for collaborative edge-cloud computing platform. Multimedia Tools and Applications, 2022, 81, 3-30.	3.9	38
2	Surface EEG based epileptic seizure detection using wavelet based features and dynamic mode decomposition power along with KNN classifier. Multimedia Tools and Applications, 2022, 81, 42057-42077.	3.9	3
3	Automatic song indexing by predicting listener's emotion using EEG correlates and multi-neural networks. Multimedia Tools and Applications, 2022, 81, 27137-27147.	3.9	1
4	Brain Tumor Classification Using Deep Learning. Studies in Big Data, 2021, , 155-175.	1.1	13
5	Tunable Q-wavelet based ECG data compression with validation using cardiac arrhythmia patterns. Biomedical Signal Processing and Control, 2021, 66, 102464.	5.7	25
6	Convolutional Neural Network-Based Automatic Brain Tumor Detection. Lecture Notes in Electrical Engineering, 2021, , 463-474.	0.4	3
7	Frequency Domain Features Based Atrial Fibrillation Detection Using Machine Learning And Deep Learning Approach. , 2021, , .		0
8	Multi-channel EEG based automatic epileptic seizure detection using iterative filtering decomposition and Hidden Markov Model. Computers in Biology and Medicine, 2020, 116, 103571.	7.0	51
9	Iterative Filtering Decomposition Based Early Dementia Diagnosis Using EEG With Cognitive Tests. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1890-1898.	4.9	20
10	Cardiac arrhythmia classification using tunable Q-wavelet transform based features and support vector machine classifier. Biomedical Signal Processing and Control, 2020, 59, 101875.	5.7	53
11	Hidden Markov model based epileptic seizure detection using tunable Q wavelet transform. Journal of Biomedical Research, 2020, 34, 170.	1.6	20
12	Efficient Sparse to Dense Stereo Matching Technique. Advances in Intelligent Systems and Computing, 2020, , 157-168.	0.6	0
13	Underwater Object Detection and Tracking. Advances in Intelligent Systems and Computing, 2020, , 837-846.	0.6	2
14	Probability-Based Approach for Epileptic Seizure Detection Using Hidden Markov Model. Communications in Computer and Information Science, 2019, , 268-281.	0.5	0
15	EEG and Cognitive Biomarkers Based Mild Cognitive Impairment Diagnosis. Irbm, 2019, 40, 113-121.	5.6	51
16	Arrhythmia ECG Beats Classification Using Wavelet-Based Features and Support Vector Machine Classifier. Advances in Medical Technologies and Clinical Practice Book Series, 2019, , 74-88.	0.3	6
17	Analysis for Self-taught and Transfer Learning Based Approaches for Emotion Recognition. , 2018, , .		5
18	Electrocardiogram data compression using DCT based discrete orthogonal Stockwell transform. Biomedical Signal Processing and Control, 2018, 46, 174-181.	5.7	54

#	ARTICLE	IF	CITATIONS
19	Dense Optical Flow Trajectory-Based Human Activity Recognition Using Hierarchical Hidden Markov Model. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 103-116.	0.6	0
20	A Discrete-Wavelet-Transform- and Hidden-Markov-Model-Based Approach for Epileptic Focus Localization. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2018, , 34-45.	0.3	7
21	Classification and Compression of ECG Signal for Holter Device. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2018, , 46-63.	0.3	5
22	Fuzzy spectral clustering for automated delineation of chronic wound region using digital images. <i>Computers in Biology and Medicine</i> , 2017, 89, 551-560.	7.0	42
23	ECG data compression algorithm for tele-monitoring of cardiac patients. <i>International Journal of Telemedicine and Clinical Practices</i> , 2017, 2, 31.	0.4	27
24	Epileptic seizure detection based on EEG signal analysis using hierarchy based Hidden Markov Model. , 2017, , .		8
25	Classification of fashion article images using convolutional neural networks. , 2017, , .		51
26	Facial expression recognition using krawtchouk moments and support vector machine classifier. , 2017, , .		6
27	An efficient gmm and active contour based unsupervised person re-identification. , 2017, , .		0
28	The role of EEG signal processing in detection of neurocognitive disorders. <i>International Journal of Behavioural and Healthcare Research</i> , 2016, 6, 15.	0.1	6
29	Detection of fence climbing using activity recognition by Support Vector Machine classifier. , 2016, , .		6
30	A novel Krawtchouk moment zonal feature descriptor for user-independent static hand gesture recognition. , 2016, , .		2
31	Hidden Markov Model based human activity recognition using shape and optical flow based features. , 2016, , .		29
32	Efficient ECG data compression and transmission algorithm for telemedicine. , 2016, , .		9
33	A novel ECG data compression algorithm using best mother wavelet selection. , 2016, , .		12
34	Performance analysis of ECG data compression using wavelet based hybrid transform method. , 2015, , .		5
35	Complexity assisted consistent quality rate control for high resolution H.264 video conferencing. , 2015, , .		0
36	A nonlinear feature based epileptic seizure detection using least square support vector machine classifier. , 2015, , .		24

#	ARTICLE	IF	CITATIONS
37	Bayesian Network-Based Customized Highlight Generation for Broadcast Soccer Videos. IEEE Transactions on Broadcasting, 2015, 61, 195-209.	3.2	79
38	Trajectory Based Unusual Human Movement Identification for Video Surveillance System. Advances in Intelligent Systems and Computing, 2015, , 789-794.	0.6	8
39	Machine learning approach for epileptic seizure detection using wavelet analysis of EEG signals. , 2014, , .		32
40	Diagnosis of diseases on cotton leaves using principal component analysis classifier. , 2014, , .		28
41	Stator winding fault prediction of induction motors using multiscale entropy and grey fuzzy optimization methods. Computers and Electrical Engineering, 2014, 40, 2246-2258.	4.8	40
42	<l>A Special Section on</l> Biomedical Signal and Image Processing. Journal of Medical Imaging and Health Informatics, 2012, 2, 147-148.	0.3	0
43	Rule based human activity recognition for surveillance system. , 2012, , .		5
44	Vision based method for object classification and multiple human activity recognition in video surveillance system. , 2012, , .		3
45	Illumination normalization for image restoration using modified retinex algorithm. , 2012, , .		3
46	Bayesian belief network based broadcast sports video indexing. Multimedia Tools and Applications, 2011, 54, 27-54.	3.9	62
47	Semantic concept mining in cricket videos for automated highlight generation. Multimedia Tools and Applications, 2010, 47, 545-579.	3.9	28
48	Event detection and semantic identification using Bayesian belief network. , 2009, , .		11
49	Semantic Concept Mining Based on Hierarchical Event Detection for Soccer Video Indexing. Journal of Multimedia, 2009, 4, .	0.3	43
50	Event-Importance Based Customized and Automatic Cricket Highlight Generation. , 2006, , .		36
51	Music Genre Recognition Using Deep Neural Networks and Transfer Learning. , 0, , .		64