

Rajkumar Palaniappan

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

617
citations

933447

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h-index

839539

18
g-index

38
all docs

38
docs citations

38
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning in lung sound analysis: A systematic review. Biocybernetics and Biomedical Engineering, 2013, 33, 129-135.	5.9	136
2	A comparative study of the svm and k-nn machine learning algorithms for the diagnosis of respiratory pathologies using pulmonary acoustic signals. BMC Bioinformatics, 2014, 15, 223.	2.6	124
3	Computer-based Respiratory Sound Analysis: A Systematic Review. IETE Technical Review (Institution of) Tj ETQq1 1 0.784314 rgBT /C 3.2 54	3.2	54
4	Physiological signal based detection of driver hypovigilance using higher order spectra. Expert Systems With Applications, 2015, 42, 8669-8677.	7.6	35
5	A phoneme based sign language recognition system using skin color segmentation. , 2010, , .		30
6	Characterization and classification of asthmatic wheeze sounds according to severity level using spectral integrated features. Computers in Biology and Medicine, 2019, 104, 52-61.	7.0	30
7	Artificial intelligence techniques used in respiratory sound analysis â€“ a systematic review. Biomedizinische Technik, 2014, 59, 7-18.	0.8	26
8	A physiological measures-based method for detecting inattention in drivers using machine learning approach. Biocybernetics and Biomedical Engineering, 2015, 35, 198-205.	5.9	22
9	A telemedicine tool to detect pulmonary pathology using computerized pulmonary acoustic signal analysis. Applied Soft Computing Journal, 2015, 37, 952-959.	7.2	21
10	Respiratory sound classification using cepstral features and support vector machine. , 2013, , .		19
11	A survey on automated wheeze detection systems for asthmatic patients. Bosnian Journal of Basic Medical Sciences, 2012, 12, 242.	1.0	14
12	Adaptive neuro-fuzzy inference system for breath phase detection and breath cycle segmentation. Computer Methods and Programs in Biomedicine, 2017, 145, 67-72.	4.7	12
13	Reliable system for respiratory pathology classification from breath sound signals. , 2016, , .		9
14	A novel approach to detect respiratory phases from pulmonary acoustic signals using normalised power spectral density and fuzzy inference system. Clinical Respiratory Journal, 2016, 10, 486-494.	1.6	9
15	Pulmonary Acoustic Signal Classification Using Autoregressive Coefficients and k-Nearest Neighbor. Applied Mechanics and Materials, 0, 591, 211-214.	0.2	8
16	CLASSIFICATION OF NORMAL AND KNEE JOINT DISORDER VIBROARTHROGRAPHIC SIGNALS USING MULTIFRACTALS AND SUPPORT VECTOR MACHINES. Biomedical Engineering - Applications, Basis and Communications, 2017, 29, 1750016.	0.6	8
17	Classification of pulmonary pathology from breath sounds using the wavelet packet transform and an extreme learning machine. Biomedizinische Technik, 2018, 63, 383-394.	0.8	8
18	Hybrid markerless tracking of complex articulated motion in golf swings. Journal of Bodywork and Movement Therapies, 2014, 18, 220-227.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Classification of asthma severity levels by wheeze sound analysis. , 2016, , .		7
20	Wheeze sound analysis using computer-based techniques: a systematic review. Biomedizinische Technik, 2017, 64, 1-28.	0.8	6
21	Analysis of wheeze sounds during tidal breathing according to severity levels in asthma patients. Journal of Asthma, 2020, 57, 353-365.	1.7	6
22	A phoneme based sign language recognition system using 2D moment invariant interleaving feature and Neural Network. , 2011, , .		5
23	Fuzzy logic controller design for intelligent drilling system. , 2016, , .		4
24	Development of fuzzy inference system for automatic tea making. , 2016, , .		4
25	An intelligent vision system for object localization and obstacle avoidance for an indoor service robot. , 2011, , .		3
26	Tracheal sound reliability for wheeze data collection method: A review. , 2012, , .		3
27	Classification of respiratory pathology in pulmonary acoustic signals using parametric features and artificial neural network. , 2014, , .		1
28	Cloud based analysis and classification of EEG signals to detect epileptic seizures. , 2021, , .		1
29	A Novel Design of Robotic hand Based on Bird Claw Model. Journal of Physics: Conference Series, 2021, 1997, 012034.	0.4	1
30	Artificial Intelligence Techniques Used for Wheeze Sounds Analysis: Review. IFMBE Proceedings, 2017, , 37-40.	0.3	1
31	Effect of Mindfulness Meditation toward Improvement of Concentration based on Heart Rate Variability. , 2020, , .		1
32	Non-invasive Detection of Ketum Users through Objective Analysis of EEG Signals. Journal of Physics: Conference Series, 2021, 2071, 012045.	0.4	1
33	DT-CWPT based Tsallis Entropy for Vocal Fold Pathology Detection. , 2020, , .		1
34	A Performance Comparison of Wheeze Feature Extraction Methods for Asthma Severity Levels Classification. , 2018, , .		0
35	Data Acquisition System for Web-based Multi-modal Data Repository. , 2021, , .		0
36	Classification of Respiratory Sounds in Smokers and Non-smokers using k-NN Classifier. IFMBE Proceedings, 2017, , 73-78.	0.3	0

#	ARTICLE	IF	CITATIONS
37	Identification of Asthma Severity Using Wavelet Transform and K-nearest-neighbour Classifier. , 2020, , .		0
38	Emulation of a haemorrhage removal robot used during neurosurgical treatment of glioma. , 2020, , .		0