Rajkumar Palaniappan

List of Publications by Year
in descending order

38 papers	**617** citations	933447 **10** h-index	839539 **18** g-index
38 all docs	**38** docs citations	**38** times ranked	**562** citing authors

#	Article	IF	Citations
1	Cloud based analysis and classification of EEG signals to detect epileptic seizures. , 2021, , .		1
2	Data Acquisition System for Web-based Multi-modal Data Repository. , 2021, , .		0
3	A Novel Design of Robotic hand Based on Bird Claw Model. Journal of Physics: Conference Series, 2021, 1997, 012034.	0.4	1
4	Non-invasive Detection of Ketum Users through Objective Analysis of EEG Signals. Journal of Physics: Conference Series, 2021, 2071, 012045.	0.4	1
5	Analysis of wheeze sounds during tidal breathing according to severity levels in asthma patients. Journal of Asthma, 2020, 57, 353-365.	1.7	6
6	Effect of Mindfulness Meditation toward Improvement of Concentration based on Heart Rate Variability. , 2020, , .		1
7	Identification of Asthma Severity Using Wavelet Transform and K-nearest-neighbour Classifier. , 2020, , .		0
8	DT-CWPT based Tsallis Entropy for Vocal Fold Pathology Detection. , 2020, , .		1
9	Emulation of a haemorrhage removal robot used during neurosurgical treatment of glioma. , 2020, , .		0
10	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
11	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
12	A Performance Comparison of Wheeze Feature Extraction Methods for Asthma Severity Levels Classification. , 2018, , .		0
13	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
14	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
15	Wheeze sound analysis using computer-based techniques: a systematic review. Biomedizinische Technik, 2017, 64, 1-28.	0.8	6
16	Artificial Intelligence Techniques Used for Wheeze Sounds Analysis: Review. IFMBE Proceedings, 2017, , 37-40.	0.3	1
17	Classification of Respiratory Sounds in Smokers and Non-smokers using k-NN Classifier. IFMBE Proceedings, 2017, , 73-78.	0.3	0
18	Classification of asthma severity levels by wheeze sound analysis. , 2016, , .		7

#	Article	IF	Citations
19	Fuzzy logic controller design for intelligent drilling system. , 2016, , .		4
20	Development of fuzzy inference system for automatic tea making. , 2016, , .		4
21	Reliable system for respiratory pathology classification from breath sound signals. , 2016, , .		9
22	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
23	Physiological signal based detection of driver hypovigilance using higher order spectra. Expert Systems With Applications, 2015, 42, 8669-8677.	7.6	35
24	A telemedicine tool to detect pulmonary pathology using computerized pulmonary acoustic signal analysis. Applied Soft Computing Journal, 2015, 37, 952-959.	7.2	21
25	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
26	Classification of respiratory pathology in pulmonary acoustic signals using parametric features and artificial neural network. , 2014, , .		1
27	Artificial intelligence techniques used in respiratory sound analysis – a systematic review. Biomedizinische Technik, 2014, 59, 7-18.	0.8	26
28	Hybrid markerless tracking of complex articulated motion in golf swings. Journal of Bodywork and Movement Therapies, 2014, 18, 220-227.	1.2	7
29	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
30	Respiratory sound classification using cepstral features and support vector machine. , 2013, , .		19
31	Machine learning in lung sound analysis: A systematic review. Biocybernetics and Biomedical Engineering, 2013, 33, 129-135.	5.9	136
32	Computer-based Respiratory Sound Analysis: A Systematic Review. IETE Technical Review (Institution of) Tj ETQq0 0 0 rgBT /Overlock 10	3.2	54
33	Tracheal sound reliability for wheeze data collection method: A review. , 2012, , .		3
34	A survey on automated wheeze detection systems for asthmatic patients. Bosnian Journal of Basic Medical Sciences, 2012, 12, 242.	1.0	14
35	An intelligent vision system for object localization and obstacle avoidance for an indoor service robot. , 2011, , .		3
36	A phoneme based sign language recognition system using 2D moment invariant interleaving feature and Neural Network. , 2011, , .		5

#	Article	IF	Citations
37	A phoneme based sign language recognition system using skin color segmentation. , 2010, , .		30
38	Pulmonary Acoustic Signal Classification Using Autoregressive Coefficients and k-Nearest Neighbor. Applied Mechanics and Materials, 0, 591, 211-214.	0.2	8