Roneel V Sharan

List of Publications by Year
in descending order

19 papers	357 citations	1163117 8 h-index	1372567 10 g-index
20 all docs	20 docs citations	20 times ranked	295 citing authors

#	Article	IF	Citations
1	Family informatics. Journal of the American Medical Informatics Association: JAMIA, 2022, , .	4.4	2
2	Benchmarking Audio Signal Representation Techniques for Classification with Convolutional Neural Networks. Sensors, 2021, 21, 3434.	3.8	17
3	End-to-End Sleep Apnea Detection Using Single-Lead ECG Signal and 1-D Residual Neural Networks. Journal of Medical and Biological Engineering, 2021, 41, 758-766.	1.8	6
4	Detecting pertussis in the pediatric population using respiratory sound events and CNN. Biomedical Signal Processing and Control, 2021, 68, 102722.	5.7	11
5	ECG-Derived Heart Rate Variability Interpolation and 1-D Convolutional Neural Networks for Detecting Sleep Apnea. , 2020, 2020, 637-640.		16
6	Voice Command Recognition Using Biologically Inspired Time-Frequency Representation and Convolutional Neural Networks. , 2020, 2020, 998-1001.		8
7	Automatic Croup Diagnosis Using Cough Sound Recognition. IEEE Transactions on Biomedical Engineering, 2019, 66, 485-495.	4.2	64
8	Time-Frequency Image Resizing Using Interpolation for Acoustic Event Recognition with Convolutional Neural Networks. , 2019, , .		1
9	Acoustic event recognition using cochleagram image and convolutional neural networks. Applied Acoustics, 2019, 148, 62-66.	3.3	45
10	Predicting spirometry readings using cough sound features and regression. Physiological Measurement, 2018, 39, 095001.	2.1	25
11	Cough sound analysis for diagnosing croup in pediatric patients using biologically inspired features. , 2017, 2017, 4578-4581.		17
12	An overview of applications and advancements in automatic sound recognition. Neurocomputing, 2016, 200, 22-34.	5.9	71
13	Robust audio surveillance using spectrogram image texture feature. , 2015, , .		5
14	Subband spectral histogram feature for improved sound recognition in low SNR conditions. , 2015, , .		1
15	Noise robust audio surveillance using reduced spectrogram image feature and one-against-all SVM. Neurocomputing, 2015, 158, 90-99.	5.9	23
16	Cochleagram image feature for improved robustness in sound recognition. , 2015, , .		14
17	Subband Time-Frequency Image Texture Features for Robust Audio Surveillance. IEEE Transactions on Information Forensics and Security, 2015, 10, 2605-2615.	6.9	14
18	Audio surveillance under noisy conditions using time-frequency image feature. , 2014, , .		8

#	Article	IF	Citations
19	Comparison of multiclass SVM classification techniques in an audio surveillance application under mismatched conditions. , 2014, , .		9