

Roneel V Sharan

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

357
citations

1163117

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h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

295
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Time-Frequency Image Resizing Using Interpolation for Acoustic Event Recognition with Convolutional Neural Networks. , 2019, , .		1