

# Taufiq Hasan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5335298/publications.pdf>

Version: 2024-02-01

28  
papers

979  
citations

1307594

7  
h-index

1588992

8  
g-index

32  
all docs

32  
docs citations

32  
times ranked

747  
citing authors

| #  | ARTICLE                                                                                                                                                                                                | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Speaker Recognition by Machines and Humans: A tutorial review. IEEE Signal Processing Magazine, 2015, 32, 74-99.                                                                                       | 5.6 | 420       |
| 2  | Duration mismatch compensation for i-vector based speaker recognition systems. , 2013, , .                                                                                                             |     | 85        |
| 3  | A Lightweight CNN Model for Detecting Respiratory Diseases From Lung Auscultation Sounds Using EMD-CWT-Based Hybrid Scalogram. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2595-2603. | 6.3 | 83        |
| 4  | A Study on Universal Background Model Training in Speaker Verification. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1890-1899.                                                | 3.2 | 57        |
| 5  | Towards Domain Invariant Heart Sound Abnormality Detection Using Learnable Filterbanks. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2189-2198.                                        | 6.3 | 42        |
| 6  | CRSS systems for 2012 NIST Speaker Recognition Evaluation. , 2013, , .                                                                                                                                 |     | 36        |
| 7  | An investigation on back-end for speaker recognition in multi-session enrollment. , 2013, , .                                                                                                          |     | 31        |
| 8  | Suppression of Residual Noise From Speech Signals Using Empirical Mode Decomposition. IEEE Signal Processing Letters, 2009, 16, 2-5.                                                                   | 3.6 | 30        |
| 9  | Maximum Likelihood Acoustic Factor Analysis Models for Robust Speaker Verification in Noise. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 381-391.                         | 5.8 | 23        |
| 10 | Mean hilbert envelope coefficients (MHEC) for robust speaker recognition. , 0, , .                                                                                                                     |     | 23        |
| 11 | Acoustic Scene Classification Using a CNN-SuperVector System Trained with Auditory and Spectrogram Image Features. , 0, , .                                                                            |     | 22        |
| 12 | Iterative noise power subtraction technique for improved speech quality. , 2008, , .                                                                                                                   |     | 16        |
| 13 | MMSE estimator for speech enhancement considering the constructive and destructive interference of noise. IET Signal Processing, 2010, 4, 1.                                                           | 1.5 | 16        |
| 14 | End-to-end Sleep Staging with Raw Single Channel EEG using Deep Residual ConvNets. , 2019, , .                                                                                                         |     | 16        |
| 15 | Towards Smart-Cars That Can Listen: Abnormal Acoustic Event Detection on the Road. , 0, , .                                                                                                            |     | 13        |
| 16 | Learning Front-end Filter-bank Parameters using Convolutional Neural Networks for Abnormal Heart Sound Detection. , 2018, 2018, 1408-1411.                                                             |     | 11        |
| 17 | X-Ray Image Compression Using Convolutional Recurrent Neural Networks. , 2019, , .                                                                                                                     |     | 11        |
| 18 | A novel feature sub-sampling method for efficient universal background model training in speaker verification. , 2010, , .                                                                             |     | 10        |

| #  | ARTICLE                                                                                                                                               | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | An Ensemble of Transfer, Semi-supervised and Supervised Learning Methods for Pathological Heart Sound Classification. , 0, , .                        |     | 9         |
| 20 | Automatic broadcast news summarization via rank classifiers and crowdsourced annotation. , 2015, , .                                                  |     | 5         |
| 21 | Robust speaker recognition in non-stationary room environments based on empirical mode decomposition. , 0, , .                                        |     | 5         |
| 22 | Integrated feature normalization and enhancement for robust speaker recognition using acoustic factor analysis. , 0, , .                              |     | 4         |
| 23 | Hilbert-envelope features for cardiac disease classification from noisy phonocardiograms. Biomedical Signal Processing and Control, 2022, 78, 103864. | 5.7 | 3         |
| 24 | Automatic composition of broadcast news summaries using rank classifiers trained with acoustic and lexical features. , 2016, , .                      |     | 2         |
| 25 | Acoustic factor analysis based universal background model for robust speaker verification in noise. , 0, , .                                          |     | 2         |
| 26 | A Wavelet-CNN Feature Fusion Approach for Detecting COVID-19 from Chest Radiographs. , 2020, , .                                                      |     | 2         |
| 27 | A two stage speech enhancement method for further improvement of speech quality by extracting signal from residual. , 2007, , .                       |     | 0         |
| 28 | A multi-modal highlight extraction scheme for sports videos using an information-theoretic excitability measure. , 2012, , .                          |     | 0         |