Simon Leglaive

List of Publications by Year
in descending order

18 papers	357 citations	1684188 5 h-index	2053705 5 g-index
18 all docs	18 docs citations	18 times ranked	208 citing authors

#	Article	IF	Citations
1	Dynamical Variational Autoencoders: A Comprehensive Review. Foundations and Trends in Machine Learning, 2021, 15, 1-175.	69.0	43
2	A Recurrent Variational Autoencoder for Speech Enhancement. , 2020, , .		39
3	Audio-Visual Speech Enhancement Using Conditional Variational Auto-Encoders. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1788-1800.	5.8	39
4	Speech Enhancement with Variational Autoencoders and Alpha-stable Distributions. , 2019, , .		23
5	Semi-supervised Multichannel Speech Enhancement with Variational Autoencoders and Non-negative Matrix Factorization. , 2019, , .		41
6	Audio-Noise Power Spectral Density Estimation Using Long Short-Term Memory. IEEE Signal Processing Letters, 2019, 26, 918-922.	3.6	8
7	Student's t Source and Mixing Models for Multichannel Audio Source Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1154-1168.	5.8	7
8	A VARIANCE MODELING FRAMEWORK BASED ON VARIATIONAL AUTOENCODERS FOR SPEECH ENHANCEMENT. , 2018, , .		49
9	Alpha-Stable Low-Rank Plus Residual Decomposition for Speech Enhancement. , 2018, , .		2
10	Alpha-stable multichannel audio source separation. , 2017, , .		14
11	Multichannel audio source separation: Variational inference of time-frequency sources from time-domain observations. , 2017, , .		7
12	Separating time-frequency sources from time-domain convolutive mixtures using non-negative matrix factorization. , 2017, , .		7
13	Semi-blind student's t source separation for multichannel audio convolutive mixtures. , 2017, , .		5
14	Autoregressive moving average modeling of late reverberation in the frequency domain. , 2016, , .		1
15	Multichannel Audio Source Separation With Probabilistic Reverberation Priors. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 2453-2465.	5.8	12
16	Multichannel audio source separation with probabilistic reverberation modeling. , 2015, , .		6
17	Singing voice detection with deep recurrent neural networks. , 2015, , .		50
18	A Benchmark of Dynamical Variational Autoencoders Applied to Speech Spectrogram Modeling. , 0, , .		4