Hirokazu Kameoka

List of Publications by Year
in descending order

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45	1,577	567281 15	677142 22
papers	citations	h-index	g-index

45	45	45	707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multichannel Extensions of Non-Negative Matrix Factorization With Complex-Valued Data. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 971-982.	3.2	207
2	StarGAN-VC: non-parallel many-to-many Voice Conversion Using Star Generative Adversarial Networks. , 2018, , .		189
3	CycleGAN-VC: Non-parallel Voice Conversion Using Cycle-Consistent Adversarial Networks. , 2018, , .		183
4	ASVspoof 2019: A large-scale public database of synthesized, converted and replayed speech. Computer Speech and Language, 2020, 64, 101114.	4.3	130
5	A Multipitch Analyzer Based on Harmonic Temporal Structured Clustering. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 982-994.	3.2	113
6	Input-Output HMM Applied to Automatic Arrangement for Guitars. Journal of Information Processing, 2013, 21, 264-271.	0.4	71
7	Sequence-to-Sequence Voice Conversion with Similarity Metric Learned Using Generative Adversarial Networks. , 0, , .		70
8	ATTS2S-VC: Sequence-to-sequence Voice Conversion with Attention and Context Preservation Mechanisms. , 2019, , .		65
9	ACVAE-VC: Non-Parallel Voice Conversion With Auxiliary Classifier Variational Autoencoder. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 1432-1443.	5.8	63
10	Supervised Determined Source Separation with Multichannel Variational Autoencoder. Neural Computation, 2019, 31, 1891-1914.	2.2	57
11	Specmurt Analysis of Polyphonic Music Signals. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 639-650.	3.2	39
12	ConvS2S-VC: Fully Convolutional Sequence-to-Sequence Voice Conversion. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 1849-1863.	5.8	33
13	Maskcyclegan-VC: Learning Non-Parallel Voice Conversion with Filling in Frames. , 2021, , .		33
14	Single and Multiple ${ F}_{0}$ Contour Estimation Through Parametric Spectrogram Modeling of Speech in Noisy Environments. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 1135-1145.	3.2	32
15	Multichannel Signal Separation Combining Directional Clustering and Nonnegative Matrix Factorization with Spectrogram Restoration. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 654-669.	5.8	29
16	Pretraining Techniques for Sequence-to-Sequence Voice Conversion. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 745-755.	5.8	27
17	Nonnegative Matrix Factorization with Markov-Chained Bases for Modeling Time-Varying Patterns in Music Spectrograms. Lecture Notes in Computer Science, 2010, , 149-156.	1.3	24
18	Voice Transformer Network: Sequence-to-Sequence Voice Conversion Using Transformer with Text-to-Speech Pretraining. , 0, , .		24

#	Article	IF	Citations
19	Computational auditory induction as a missing-data model-fitting problem with Bregman divergence. Speech Communication, 2011, 53, 658-676.	2.8	21
20	Synthetic-to-Natural Speech Waveform Conversion Using Cycle-Consistent Adversarial Networks. , 2018, , .		18
21	Underdetermined Source Separation Based on Generalized Multichannel Variational Autoencoder. IEEE Access, 2019, 7, 168104-168115.	4.2	18
22	Many-to-Many Voice Transformer Network. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 656-670.	5.8	16
23	Nonparallel Voice Conversion With Augmented Classifier Star Generative Adversarial Networks. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2982-2995.	5.8	14
24	Composite autoregressive system for sparse source-filter representation of speech. , 2009, , .		11
25	Explicit beat structure modeling for non-negative matrix factorization-based multipitch analysis. , 2012, , .		11
26	SemiCCA: Efficient Semi-supervised Learning of Canonical Correlations. IPSJ Online Transactions, 2013, 6, 37-44.	0.1	10
27	Underdetermined blind separation and tracking of moving sources based ONDOA-HMM. , 2014, , .		10
28	Comparative evaluations of various harmonic/percussive sound separation algorithms based on anisotropic continuity of spectrogram. , 2012, , .		9
29	Timbre replacement of harmonic and drum components for music audio signals. , 2014, , .		6
30	Underdetermined BSS with multichannel complex NMF assuming W-disjoint orthogonality of source. , 2011, , .		5
31	Sparse sound field decomposition with multichannel extension of complex NMF. , 2016, , .		5
32	Probabilistic Approach to Automatic Music Transcription from Audio Signals. , 2007, , .		4
33	Single Channel Speech and Background Segregation Through Harmonic-Temporal Clustering. , 2007, , .		4
34	Probabilistic model of two-dimensional rhythm tree structure representation for automatic transcription of polyphonic MIDI signals. , 2013, , .		4
35	Nonnegative Matrix Factorization With Basis Clustering Using Cepstral Distance Regularization. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1029-1040.	5.8	4
36	FastMVAE: A Fast Optimization Algorithm for the Multichannel Variational Autoencoder Method. IEEE Access, 2020, 8, 228740-228753.	4.2	4

#	Article	IF	Citations
37	Self-localization and channel synchronization of smartphone arrays using sound emissions. , 2016, , .		3
38	Harmonic-Temporal Factor Decomposition for Unsupervised Monaural Separation of Harmonic Sounds. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 68-82.	5.8	3
39	Harmonic-Temporal Clustering of Speech for Single and Multiple F0 Contour Estimation in Noisy Environments. , 2007, , .		2
40	Shifted and convolutive source-filter non-negative matrix factorization for monaural audio source separation. , 2016, , .		2
41	Majorization-Minimization Algorithm for Discriminative Non-Negative Matrix Factorization. IEEE Access, 2020, 8, 227399-227408.	4.2	2
42	Designing Various Multivariate Analysis at Will via Generalized Pairwise Expression. IPSJ Online Transactions, 2013, 6, 45-54.	0.1	1
43	Investigation And Comparison of Optimization Methods for Variational Autoencoder-Based Underdetermined Multichannel Source Separation. , 2022, , .		1
44	X-DC: Explainable Deep Clustering Based on Learnable Spectrogram Templates. Neural Computation, 2021, 33, 1-33.	2.2	0
45	Single-Channel Multispeaker Separation with Variational Autoencoder Spectrogram Model. Journal of Signal Processing, 2021, 25, 145-149.	0.3	0