Kazunobu Kondo

List of Publications by Year
in descending order

44 papers	412 citations	933447 10 h-index	1058476 14 g-index
44 all docs	44 docs citations	44 times ranked	228 citing authors

#	Article	IF	Citations
1	Musical-Noise-Free Speech Enhancement Based on Optimized Iterative Spectral Subtraction. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2080-2094.	3.2	56
2	Theoretical Analysis of Musical Noise in Generalized Spectral Subtraction Based on Higher Order Statistics. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1770-1779.	3.2	37
3	Generalized independent low-rank matrix analysis using heavy-tailed distributions for blind source separation. Eurasip Journal on Advances in Signal Processing, 2018, 2018, .	1.7	35
4	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
5	Musical noise generation analysis for noise reduction methods based on spectral subtraction and MMSE STSA estimation. , 2009, , .		26
6	Music Signal Separation Based on Supervised Nonnegative Matrix Factorization with Orthogonality and Maximum-Divergence Penalties. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1113-1118.	0.3	26
7	Vectorwise Coordinate Descent Algorithm for Spatially Regularized Independent Low-Rank Matrix Analysis. , 2018, , .		21
8	Musical-Noise Analysis in Methods of Integrating Microphone Array and Spectral Subtraction Based on Higher-Order Statistics. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.7	19
9	Musical Noise Controllable Algorithm of Channelwise Spectral Subtraction and Adaptive Beamforming Based on Higher Order Statistics. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1457-1466.	3.2	17
10	Improved Method of Blind Speech Separation with Low Computational Complexity. Advances in Acoustics and Vibration, 2011, 2011, 1-10.	0.5	16
11	Musical-noise-free blind speech extraction integrating microphone array and iterative spectral subtraction. Signal Processing, 2014, 102, 226-239.	3.7	16
12	Independent Low-Rank Matrix Analysis Based on Time-Variant Sub-Gaussian Source Model for Determined Blind Source Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 503-518.	5.8	16
13	Music signal separation by supervised nonnegative matrix factorization with basis deformation. , 2013, , .		10
14	Discriminative and reconstructive basis training for audio source separation with semi-supervised nonnegative matrix factorization. , 2016, , .		7
15	Musical noise analysis based on higher order statistics for microphone array and nonlinear signal processing. , 2009, , .		6
16	Theoretical analysis of musical noise in Wiener filtering family via higher-order statistics. , 2011, , .		6
17	Superresolution-based stereo signal separation via supervised nonnegative matrix factorization. , 2013, , .		6
18	Theoretical analysis of iterative weak spectral subtraction via higher-order statistics. , 2010, , .		5

#	Article	IF	Citations
19	Musical-noise-free blind speech extraction using ICA-based noise estimation and iterative spectral subtraction. , 2012, , .		5
20	Robust music signal separation based on supervised nonnegative matrix factorization with prevention of basis sharing. , 2013, , .		5
21	Independent low-rank matrix analysis based on parametric majorization-equalization algorithm. , 2017, , .		5
22	Independent Low-Rank Matrix Analysis Based on Time-Variant Sub-Gaussian Source Model. , 2018, , .		5
23	Independent Low-Rank Matrix Analysis Based on Generalized Kullback-Leibler Divergence. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2019, E102.A, 458-463.	0.3	5
24	Musical-noise-free speech enhancement: Theory and evaluation. , 2012, , .		4
25	Music signal separation based on Bayesian spectral amplitude estimator with automatic target prior adaptation. , 2014, , .		4
26	Theoretical analysis of biased MMSE short-time spectral amplitude estimator and its extension to musical-noise-free speech enhancement. , 2014, , .		4
27	Theoretical musical-noise analysis and its generalization for methods of integrating beamforming and spectral subtraction based on higher-order statistics. , 2010, , .		3
28	Noise adaptive optimization of matrix initialization for frequency-domain independent component analysis. , 2013, 23, 1-8.		3
29	Music signal separation using supervised NMF with all-pole-model-based discriminative basis deformation. , 2016, , .		2
30	Regularized Fast Multichannel Nonnegative Matrix Factorization with ILRMA-Based Prior Distribution of Joint-Diagonalization Process. , 2020, , .		2
31	Independent deeply learned matrix analysis with automatic selection of stable microphone-wise update and fast sourcewise update of demixing matrix. Signal Processing, 2021, 178, 107753.	3.7	2
32	Joint-diagonalizability-constrained multichannel nonnegative matrix factorization based on time-variant multivariate complex sub-Gaussian distribution. Signal Processing, 2021, 188, 108183.	3.7	2
33	Structure selection algorithm for less musical-noise generation in integration systems of beamforming and spectral subtraction. , 2009, , .		1
34	Blind speech extraction combining ICA-based noise estimation and less-musical-noise nonlinear post processing. , 2010, , .		1
35	Practically Efficient Blind Speech Separation Using Frequency Band Selection Based on Magnitude Squared Coherence and a Small Dodecahedral Microphone Array. Journal of Electrical and Computer Engineering, 2012, 2012, 1-11.	0.9	1
36	Computationally efficient single channel dereverberation based on complementary wiener filter. , 2013, , .		1

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37	Divergence optimization in nonnegative matrix factorization with spectrogram restoration for multichannel signal separation. , 2014, , .		1
38	Robust Demixing Filter Update Algorithm Based on Microphone-wise Coordinate Descent for Independent Deeply Learned Matrix Analysis. , 2019, , .		1
39	Musical noise analysis for Bayesian minimum mean-square error speech amplitude estimators based on higher-order statistics. , 0, , .		1
40	Musical noise controllable algorithm of channelwise spectral subtraction and beamforming based on higher-order statistics criterion. , 2010, , .		0
41	Toward musical-noise-free blind speech extraction: Concept and its applications. , 2013, , .		0
42	Hybrid multichannel signal separation using supervised nonnegative matrix factorization with spectrogram restoration. , 2014, , .		0
43	Audio signal separation using supervised NMF with time-variant all-pole-model-based basis deformation. , 2016, , .		0
44	Effective Frame Selection for Blind Source Separation Based on Frequency Domain Independent Component Analysis. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 784-791.	0.3	0