

Søren Holdt Jensen

List of Publications by Year in descending order

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76
papers

2,128
citations

304602

22
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243529

44
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78
all docs

78
docs citations

78
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Sound Quality Improvement for Hearing Aids in Presence of Multiple Inputs. Circuits, Systems, and Signal Processing, 2019, 38, 3591-3615.	1.2	3
2	Mean square performance evaluation in frequency domain for an improved adaptive feedback cancellation in hearing aids. Signal Processing, 2019, 157, 45-61.	2.1	9
3	An Automatic Design Procedure for Low-order IIR Parametric Equalizers. AES: Journal of the Audio Engineering Society, 2018, 66, 935-952.	0.8	1
4	Validating a real-time perceptual model predicting distraction caused by audio-on-audio interference. Journal of the Acoustical Society of America, 2018, 144, 153-163.	0.5	8
5	Fast fundamental frequency estimation: Making a statistically efficient estimator computationally efficient. Signal Processing, 2017, 135, 188-197.	2.1	48
6	Perceptual aspects of reproduced sound in car cabin acoustics. Journal of the Acoustical Society of America, 2017, 141, 1459-1469.	0.5	7
7	Real-Time Perceptual Model for Distraction in Interfering Audio-on-Audio Scenarios. IEEE Signal Processing Letters, 2017, 24, 1448-1452.	2.1	2
8	Audio coding in wireless acoustic sensor networks. Signal Processing, 2015, 107, 141-152.	2.1	13
9	Wiener variable step size and gradient spectral variance smoothing for double-talk-robust acoustic echo cancellation and acoustic feedback cancellation. Signal Processing, 2014, 104, 1-14.	2.1	22
10	Improved prediction error filters for adaptive feedback cancellation in hearing aids. Signal Processing, 2013, 93, 3062-3075.	2.1	22
11	Analysis of closed-loop acoustic feedback cancellation systems. , 2013, , .		3
12	Nonlinear Least Squares Methods for Joint DOA and Pitch Estimation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 923-933.	3.8	45
13	A speech distortion weighting based approach to integrated active noise control and noise reduction in hearing aids. Signal Processing, 2013, 93, 2440-2452.	2.1	5
14	Binaural Integrated Active Noise Control and Noise Reduction in Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 1113-1118.	3.8	6
15	An approximate Bayesian fundamental frequency estimator. , 2012, , .		6
16	A Joint Approach for Single-Channel Speaker Identification and Speech Separation. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2586-2601.	3.8	37
17	An improved probe noise approach for acoustic feedback cancellation. , 2012, , .		4
18	Nonlinear acoustic echo cancellation based on a parallel-cascade kernel affine projection algorithm. , 2012, , .		14

#	ARTICLE	IF	CITATIONS
19	On compressed sensing and the estimation of continuous parameters from noisy observations. , 2012, , .		13
20	Novel Acoustic Feedback Cancellation Approaches in Hearing Aid Applications Using Probe Noise and Probe Noise Enhancement. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 2549-2563.	3.8	88
21	On Acoustic Feedback Cancellation Using Probe Noise in Multiple-Microphone and Single-Loudspeaker Systems. IEEE Signal Processing Letters, 2012, 19, 283-286.	2.1	20
22	Sequential Error Concealment for Video/Images by Weighted Template Matching. , 2012, , .		8
23	Joint DOA and multi-pitch estimation based on subspace techniques. Eurasip Journal on Advances in Signal Processing, 2012, 2012, .	1.0	211
24	A Zone-of-Quiet Based Approach to Integrated Active Noise Control and Noise Reduction for Speech Enhancement in Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1685-1697.	3.8	16
25	Implementation of an optimal first-order method for strongly convex total variation regularization. BIT Numerical Mathematics, 2012, 52, 329-356.	1.0	87
26	A combined multi-channel Wiener filter-based noise reduction and dynamic range compression in hearing aids. Signal Processing, 2012, 92, 417-426.	2.1	10
27	Non-Causal Time-Domain Filters for Single-Channel Noise Reduction. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1526-1541.	3.8	12
28	Sparse Linear Prediction and Its Applications to Speech Processing. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1644-1657.	3.8	103
29	Enhancement of Single-Channel Periodic Signals in the Time-Domain. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1948-1963.	3.8	34
30	Analysis of adaptive feedback and echo cancelation algorithms in a general multiple-microphone and single-loudspeaker system. , 2011, , .		6
31	Analysis of Acoustic Feedback/Echo Cancellation in Multiple-Microphone and Single-Loudspeaker Systems Using a Power Transfer Function Method. IEEE Transactions on Signal Processing, 2011, 59, 5774-5788.	3.2	30
32	New Results on Single-Channel Speech Separation Using Sinusoidal Modeling. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1265-1277.	3.8	22
33	Bayesian Interpolation and Parameter Estimation in a Dynamic Sinusoidal Model. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1986-1998.	3.8	14
34	New Results on Perceptual Distortion Minimization and Nonlinear Least-Squares Frequency Estimation. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 2239-2244.	3.8	7
35	Joint fundamental frequency and order estimation using optimal filtering. Eurasip Journal on Advances in Signal Processing, 2011, 2011, .	1.0	20
36	An iterative subspace-based multi-pitch estimation algorithm. Signal Processing, 2011, 91, 150-154.	2.1	3

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37	Output SNR analysis of integrated active noise control and noise reduction in hearing aids under a single speech source scenario. <i>Signal Processing</i> , 2011, 91, 1719-1729.	2.1	3
38	Multiple-Description $S_{L_{1}}$ -Compression. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 3699-3711.	3.2	4
39	A single snapshot optimal filtering method for fundamental frequency estimation. , 2011, , .		1
40	Algorithms and software for total variation image reconstruction via first-order methods. <i>Numerical Algorithms</i> , 2010, 53, 67-92.	1.1	184
41	Integrated Active Noise Control and Noise Reduction in Hearing Aids. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2010, 18, 1137-1146.	3.8	25
42	A Robust and Computationally Efficient Subspace-Based Fundamental Frequency Estimator. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2010, 18, 487-497.	3.8	19
43	Adaptive feedback cancellation in hearing aids using a sinusoidal near-end signal model. , 2010, , .		14
44	Sinusoidal masks for single channel speech separation. , 2010, , .		12
45	Iterated smoothing for accelerated gradient convex minimization in signal processing. , 2010, , .		0
46	Estimation of frame independent and enhancement components for speech communication over packet networks. , 2010, , .		1
47	An optimal spatio-temporal filter for extraction and enhancement of multi-channel periodic signals. , 2010, , .		2
48	Error-correction of binary masks using hidden Markov models. , 2010, , .		0
49	Retrieving Sparse Patterns Using a Compressed Sensing Framework: Applications to Speech Coding Based on Sparse Linear Prediction. <i>IEEE Signal Processing Letters</i> , 2010, 17, 103-106.	2.1	56
50	Quantitative Analysis of a Common Audio Similarity Measure. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2009, 17, 693-703.	3.8	36
51	On Predictive Coding for Erasure Channels Using a Kalman Framework. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 4456-4466.	3.2	7
52	Robust Parametric Audio Coding Using Multiple Description Coding. <i>IEEE Signal Processing Letters</i> , 2009, 16, 1083-1086.	2.1	5
53	Multiple description spherical quantization of sinusoidal parameters with repetition coding of the amplitudes. , 2009, , .		1
54	A zone of quiet based approach to integrated active noise control and noise reduction in hearing AIDS. , 2009, , .		5

#	ARTICLE	IF	CITATIONS
55	l1 Compression of Image Sequences Using the Structural Similarity Index Measure. , 2009, , .		0
56	On compressed sensing and its application to speech and audio signals. , 2009, , .		35
57	Sinusoidal Order Estimation Using Angles between Subspaces. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	43
58	Incorporating the Conditional Speech Presence Probability in Multi-Channel Wiener Filter Based Noise Reduction in Hearing Aids. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	19
59	Multi-pitch estimation. Signal Processing, 2008, 88, 972-983.	2.1	107
60	On Optimal Filter Designs for Fundamental Frequency Estimation. IEEE Signal Processing Letters, 2008, 15, 745-748.	2.1	15
61	Variable Dimension Trellis-Coded Quantization of Sinusoidal Parameters. IEEE Signal Processing Letters, 2008, 15, 17-20.	2.1	6
62	Multiple Description Trellis-Coded Quantization of Sinusoidal Parameters. IEEE Transactions on Signal Processing, 2008, 56, 5287-5291.	3.2	2
63	Frequency selective sinusoidal order estimation. Electronics Letters, 2007, 43, 1164.	0.5	4
64	Subspace-Based Noise Reduction for Speech Signals via Diagonal and Triangular Matrix Decompositions: Survey and Analysis. Eurasip Journal on Advances in Signal Processing, 2007, 2007, 1.	1.0	36
65	Joint High-Resolution Fundamental Frequency and Order Estimation. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 1635-1644.	3.8	71
66	Amplitude modulated sinusoidal signal decomposition for audio coding. IEEE Signal Processing Letters, 2006, 13, 389-392.	2.1	6
67	Hidden Markov model-based packet loss concealment for voice over IP. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1609-1623.	3.8	54
68	Prewhitening for rank-deficient noise in subspace methods for noise reduction. IEEE Transactions on Signal Processing, 2005, 53, 3718-3726.	3.2	31
69	A Perceptual Model for Sinusoidal Audio Coding Based on Spectral Integration. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	52
70	A Perceptual Subspace Approach for Modeling of Speech and Audio Signals With Damped Sinusoids. IEEE Transactions on Speech and Audio Processing, 2004, 12, 121-132.	2.0	24
71	Amplitude Modulated Sinusoidal Models for Audio Modeling and Coding. Lecture Notes in Computer Science, 2003, , 1334-1342.	1.0	5
72	FIR filter representations of reduced-rank noise reduction. IEEE Transactions on Signal Processing, 1998, 46, 1737-1741.	3.2	64

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73	Reduction of broad-band noise in speech by truncated QSVD. IEEE Transactions on Speech and Audio Processing, 1995, 3, 439-448.	2.0	194
74	Sparse linear predictors for speech processing. , 0, , .		24
75	Frequency-domain parameter estimations for binary masked signals. , 0, , .		1
76	A system for detecting miscues in dyslexic read speech. , 0, , .		0