

Woon-Seng Gan

List of Publications by Year in descending order

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253
papers

4,155
citations

147801

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261
all docs

261
docs citations

261
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective fixed-filter active noise control based on convolutional neural network. <i>Signal Processing</i> , 2022, 190, 108317.	3.7	32
2	Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. <i>IEEE Signal Processing Letters</i> , 2022, 29, 85-89.	3.6	8
3	DLVGen: A Dual Latent Variable Approach to Personalized Dialogue Generation. , 2022, , .		2
4	A Multi-Channel Wireless Active Noise Control Headphone With Coherence-Based Weight Determination Algorithm. <i>Journal of Signal Processing Systems</i> , 2022, 94, 811-819.	2.1	4
5	A Hybrid SFANC-FxNLMS Algorithm for Active Noise Control Based on Deep Learning. <i>IEEE Signal Processing Letters</i> , 2022, 29, 1102-1106.	3.6	15
6	Augmented/Mixed Reality Audio for Hearables: Sensing, control, and rendering. <i>IEEE Signal Processing Magazine</i> , 2022, 39, 63-89.	5.6	13
7	SALSA-Lite: A Fast and Effective Feature for Polyphonic Sound Event Localization and Detection with Microphone Arrays. , 2022, , .		2
8	Improving Contextual Coherence in Variational Personalized and Empathetic Dialogue Agents. , 2022, , .		5
9	Probably Pleasant? A Neural-Probabilistic Approach to Automatic Masker Selection for Urban Soundscape Augmentation. , 2022, , .		3
10	A Hybrid Approach to Combine Wireless and Earcup Microphones for ANC Headphones with Error Separation Module. , 2022, , .		3
11	FRCRN: Boosting Feature Representation Using Frequency Recurrence for Monaural Speech Enhancement. , 2022, , .		20
12	End-to-End Complex-Valued Multidilated Convolutional Neural Network for Joint Acoustic Echo Cancellation and Noise Suppression. , 2022, , .		2
13	Lowering the Sampling Rate: Heart Rate Response during Cognitive Fatigue. <i>Biosensors</i> , 2022, 12, 315.	4.7	3
14	SALSA: Spatial Cue-Augmented Log-Spectrogram Features for Polyphonic Sound Event Localization and Detection. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2022, 30, 1749-1762.	5.8	16
15	A multidimensional assessment of construction machinery noises based on perceptual attributes and psychoacoustic parameters. <i>Automation in Construction</i> , 2022, 140, 104295.	9.8	5
16	Singapore Soundscape Site Selection Survey (S5): Identification of Characteristic Soundscapes of Singapore via Weighted k-Means Clustering. <i>Sustainability</i> , 2022, 14, 7485.	3.2	1
17	Block coordinate descent based algorithm for computational complexity reduction in multichannel active noise control system. <i>Mechanical Systems and Signal Processing</i> , 2021, 151, 107346.	8.0	29
18	Alternative switching hybrid ANC. <i>Applied Acoustics</i> , 2021, 173, 107712.	3.3	16

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19	Automation of binaural headphone audio calibration on an artificial head. <i>MethodsX</i> , 2021, 8, 101288.	1.6	6
20	Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. <i>IEEE Signal Processing Letters</i> , 2021, 28, 593-597.	3.6	11
21	A mixed-reality approach to soundscape assessment of outdoor urban environments augmented with natural sounds. <i>Building and Environment</i> , 2021, 194, 107688.	6.9	24
22	Biomarker-Informed Machine Learning Model of Cognitive Fatigue from a Heart Rate Response Perspective. <i>Sensors</i> , 2021, 21, 3843.	3.8	9
23	A General Network Architecture for Sound Event Localization and Detection Using Transfer Learning and Recurrent Neural Network. , 2021, , .		11
24	A Wireless Reference Active Noise Control Headphone Using Coherence Based Selection Technique. , 2021, , .		6
25	Ten questions concerning active noise control in the built environment. <i>Building and Environment</i> , 2021, 200, 107928.	6.9	60
26	Extracting Urban Sound Information for Residential Areas in Smart Cities Using an End-to-End IoT System. <i>IEEE Internet of Things Journal</i> , 2021, 8, 14308-14321.	8.7	11
27	Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. <i>Signal Processing</i> , 2021, 188, 108222.	3.7	11
28	Optimal Output-Constrained Active Noise Control Based on Inverse Adaptive Modeling Leak Factor Estimate. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2021, 29, 1256-1269.	5.8	20
29	The effects of spatial separations between water sound and traffic noise sources on soundscape assessment. <i>Building and Environment</i> , 2020, 167, 106423.	6.9	23
30	Multiband grid-free compressive beamforming. <i>Mechanical Systems and Signal Processing</i> , 2020, 135, 106425.	8.0	6
31	Effects of adding natural sounds to urban noises on the perceived loudness of noise and soundscape quality. <i>Science of the Total Environment</i> , 2020, 711, 134571.	8.0	61
32	A combined bilateral and binaural active noise control algorithm for closed-back headphones. <i>Applied Acoustics</i> , 2020, 160, 107129.	3.3	11
33	Effects of contexts in urban residential areas on the pleasantness and appropriateness of natural sounds. <i>Sustainable Cities and Society</i> , 2020, 63, 102475.	10.4	21
34	Active Control of Low-Frequency Noise through a Single Top-Hung Window in a Full-Sized Room. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6817.	2.5	16
35	Robust Source Counting and DOA Estimation Using Spatial Pseudo-Spectrum and Convolutional Neural Network. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2020, 28, 2626-2637.	5.8	39
36	Using empirical wavelet transform to speed up selective filtered active noise control system. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3490-3501.	1.1	11

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37	An Improved Selective Active Noise Control Algorithm Based on Empirical Wavelet Transform. , 2020, , .		3
38	Feedforward Selective Fixed-filter Active Noise Control: Algorithm and Implementation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, , 1-1.	5.8	27
39	Active control of broadband sound through the open aperture of a full-sized domestic window. Scientific Reports, 2020, 10, 10021.	3.3	46
40	Practical Implementation of Multichannel Filtered-x Least Mean Square Algorithm Based on the Multiple-Parallel-Branch With Folding Architecture for Large-Scale Active Noise Control. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 940-953.	3.1	36
41	Feedforward multichannel virtual-sensing active control of noise through an aperture: Analysis on causality and sensor-actuator constraints. Journal of the Acoustical Society of America, 2020, 147, 32-48.	1.1	22
42	Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone. , 2020, , .		5
43	A Sequence Matching Network for Polyphonic Sound Event Localization and Detection. , 2020, , .		9
44	Two-gradient direction FXLMS: An adaptive active noise control algorithm with output constraint. Mechanical Systems and Signal Processing, 2019, 116, 651-667.	8.0	38
45	Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints. , 2019, , .		7
46	Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. Applied Sciences (Switzerland), 2019, 9, 390.	2.5	8
47	A hybrid approach to active and passive noise control for open windows. Applied Acoustics, 2019, 155, 338-345.	3.3	6
48	Parametric Hear through Equalization for Augmented Reality Audio. , 2019, , .		4
49	Optimal Leak Factor Selection for the Output-Constrained Leaky Filtered-Input Least Mean Square Algorithm. IEEE Signal Processing Letters, 2019, 26, 670-674.	3.6	14
50	Quality assessment of acoustic environment reproduction methods for cinematic virtual reality in soundscape applications. Building and Environment, 2019, 149, 1-14.	6.9	62
51	Integrated psychoacoustic active noise control and masking. Applied Acoustics, 2019, 145, 339-348.	3.3	15
52	Physical limits on the performance of active noise control through open windows. Applied Acoustics, 2018, 137, 9-17.	3.3	36
53	A wavenumber approach to analysing the active control of plane waves with arrays of secondary sources. Journal of Sound and Vibration, 2018, 419, 405-419.	3.9	33
54	A Novel Selective Active Noise Control Algorithm to Overcome Practical Implementation Issue. , 2018, , .		14

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55	Fast Continuous Measurement of HRTFs with Unconstrained Head Movements for 3D Audio. AES: Journal of the Audio Engineering Society, 2018, 66, 884-900.	1.0	15
56	Active control of sound through full-sized open windows. Building and Environment, 2018, 141, 16-27.	6.9	49
57	Fast HRFT measurement system with unconstrained head movements for 3D audio in virtual and augmented reality applications. , 2017, , .		2
58	Mixed-error approach for multi-channel active noise control of open windows. Applied Acoustics, 2017, 127, 305-315.	3.3	54
59	Multiple parallel branch with folding architecture for multichannel filtered-x least mean square algorithm. , 2017, , .		5
60	Noisy vehicle surveillance camera: A system to deter noisy vehicle in smart city. Applied Acoustics, 2017, 117, 236-245.	3.3	15
61	Localization of harmonic source using a single moving sensor of known trajectory. , 2017, , .		2
62	Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction. , 2017, , .		6
63	Psychoacoustic subband active noise control algorithm. , 2017, , .		4
64	Effect of the audio amplifier's distortion on feedforward active noise control. , 2017, , .		12
65	Welcome message from general co-chairs. , 2017, , .		0
66	On algorithms and implementations of a 4-channel active noise canceling window. , 2017, , .		6
67	Spatial Audio for Soundscape Design: Recording and Reproduction. Applied Sciences (Switzerland), 2017, 7, 627.	2.5	70
68	Guest Editorsâ€™ Noteâ€™Special Issue on Spatial Audio. Applied Sciences (Switzerland), 2017, 7, 788.	2.5	0
69	Grid-free compressive beamforming using a single moving sensor of known trajectory. , 2017, , .		0
70	Individualization of Head-Related Transfer Functions in the Median Plane using Frontal Projection Headphones. AES: Journal of the Audio Engineering Society, 2016, 64, 1026-1041.	1.0	3
71	Efficacy of a parametric assistive listening system to enhance the audibility and intelligibility of speech. Journal of Laryngology and Otology, 2016, 130, S175-S175.	0.8	0
72	A systolic FxLMS structure for implementation of feedforward active noise control on FPGA. , 2016, , .		8

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73	Fast continuous HRTF acquisition with unconstrained movements of human subjects. , 2016, , .		8
74	Open loop active control of noise through open windows. Proceedings of Meetings on Acoustics, 2016, , .	0.3	6
75	Comparison of different development kits and its suitability in signal processing education. , 2016, , .		7
76	A virtual bass system with improved overflow control. , 2015, , .		0
77	Modeling distance-dependent individual head-related transfer functions in the horizontal plane using frontal projection headphones. Journal of the Acoustical Society of America, 2015, 138, 150-171.	1.1	2
78	Perceptual Quality Improvement and Assessment for Virtual Bass Systems. AES: Journal of the Audio Engineering Society, 2015, 63, 900-913.	1.0	2
79	Multi-shift principal component analysis based primary component extraction for spatial audio reproduction. , 2015, , .		5
80	On the preprocessing and postprocessing of HRTF individualization based on sparse representation of anthropometric features. , 2015, , .		15
81	Applying primary ambient extraction for immersive spatial audio reproduction. , 2015, , .		2
82	Time-Shifting Based Primary-Ambient Extraction for Spatial Audio Reproduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1576-1588.	5.8	3
83	An affordable and attachable electronic device for the blind. , 2015, , .		1
84	Primary-Ambient Extraction Using Ambient Phase Estimation with a Sparsity Constraint. IEEE Signal Processing Letters, 2015, 22, 1127-1131.	3.6	10
85	A hybrid speaker array-headphone system for immersive 3D audio reproduction. , 2015, , .		1
86	Natural Sound Rendering for Headphones: Integration of signal processing techniques. IEEE Signal Processing Magazine, 2015, 32, 100-113.	5.6	42
87	Generating dual beams from a single steerable parametric loudspeaker. Applied Acoustics, 2015, 99, 43-50.	3.3	15
88	Primary-Ambient Extraction Using Ambient Spectrum Estimation for Immersive Spatial Audio Reproduction. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1431-1444.	5.8	10
89	Natural Listening over Headphones in Augmented Reality Using Adaptive Filtering Techniques. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1988-2002.	5.8	25
90	An Objective Analysis Method for Perceptual Quality of a Virtual Bass System. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, , 1-1.	5.8	0

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91	Fast and efficient real-time GPU based implementation of wave field synthesis. , 2014, , .		4
92	Study on the use of error term in parallel-form narrowband feedback active noise control systems. , 2014, , .		0
93	A study on the frequency-domain Primary-ambient extraction for stereo audio signals. , 2014, , .		12
94	An overview of directivity control methods of the parametric array loudspeaker. APSIPA Transactions on Signal and Information Processing, 2014, 3, .	3.3	22
95	Development of a steerable stereophonic parametric loudspeaker. , 2014, , .		3
96	New feedback active noise control system with improved performance. , 2014, , .		4
97	Linear Estimation Based Primary-Ambient Extraction for Stereo Audio Signals. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 505-517.	5.8	22
98	Stochastic analysis of FXLMS-based internal model control feedback active noise control systems. Signal Processing, 2014, 101, 121-133.	3.7	23
99	Spatial Aliasing Effects in a Steerable Parametric Loudspeaker for Stereophonic Sound Reproduction. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2014, E97.A, 1859-1866.	0.3	8
100	Wave Field Synthesis: The Future of Spatial Audio. IEEE Potentials, 2013, 32, 17-23.	0.3	3
101	A timbre matching approach to enhance audio quality of psychoacoustic bass enhancement system. , 2013, , .		4
102	Convergence Analysis of Narrowband Feedback Active Noise Control System With Imperfect Secondary Path Estimation. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 2403-2411.	3.2	20
103	Recent applications and challenges on active noise control. , 2013, , .		10
104	A vehicular noise surveillance system integrated with vehicle type classification. , 2013, , .		2
105	A psychoacoustical preprocessing technique for virtual bass enhancement of the parametric loudspeaker. , 2013, , .		13
106	Time-shifted principal component analysis based cue extraction for stereo audio signals. , 2013, , .		13
107	Step size bound for narrowband feedback active noise control. , 2013, , .		0
108	A preprocessing method to increase high frequency response of a parametric loudspeaker. , 2013, , .		6

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109	Steerable parametric loudspeaker with preprocessing methods. Proceedings of Meetings on Acoustics, 2013, , .	0.3	2
110	Hybrid immersive three-dimensional sound reproduction system with steerable parametric loudspeakers. Proceedings of Meetings on Acoustics, 2013, , .	0.3	6
111	Product directivity models for parametric loudspeakers. Journal of the Acoustical Society of America, 2012, 131, 1938-1945.	1.1	36
112	Recent advances on active noise control: open issues and innovative applications. APSIPA Transactions on Signal and Information Processing, 2012, 1, .	3.3	264
113	Modeling the directivity of parametric loudspeaker. , 2012, , .		3
114	Inverse system design based on the Volterra modeling of a parametric loudspeaker system. , 2012, , .		1
115	Fixed-point square roots. , 2012, , .		3
116	Analysis on precise intermodulation product computing technique and reduction of computational load. , 2012, , .		0
117	Psychoacoustic hybrid active noise control system. , 2012, , .		4
118	A psychoacoustic bass enhancement system with improved transient and steady-state performance. , 2012, , .		13
119	Identification of a parametric loudspeaker system using an adaptive Volterra filter. Applied Acoustics, 2012, 73, 1251-1262.	3.3	34
120	A review of parametric acoustic array in air. Applied Acoustics, 2012, 73, 1211-1219.	3.3	115
121	Analysis and calibration of system errors in steerable parametric loudspeakers. Applied Acoustics, 2012, 73, 1263-1270.	3.3	10
122	An alternative method to measure the on-axis difference-frequency sound in a parametric loudspeaker without using an acoustic filter. Applied Acoustics, 2012, 73, 1244-1250.	3.3	9
123	Model-Free Iterative Learning Control for Repetitive Impulsive Noise Using FFT. Lecture Notes in Computer Science, 2012, , 461-467.	1.3	4
124	Audio Projection. IEEE Signal Processing Magazine, 2011, 28, 43-57.	5.6	39
125	Grating lobe elimination in steerable parametric loudspeaker. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 437-450.	3.0	23
126	Welcome message from program chairs. , 2011, , .		0

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127	Fast arbitrary resizing of images in the discrete cosine transform domain. IET Image Processing, 2011, 5, 73.	2.5	6
128	Time-Reversal Approach to the Stereophonic Acoustic Echo Cancellation Problem. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 385-395.	3.2	12
129	A Comparative Analysis of Preprocessing Methods for the Parametric Loudspeaker Based on the Khokhlovâ€™Zabolotskayaâ€™Kuznetsov Equation for Speech Reproduction. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 937-946.	3.2	22
130	Perceptually tuned subband coder for JPEG. Journal of Real-Time Image Processing, 2011, 6, 101-115.	3.5	1
131	Calibration of parametric acoustic array. , 2011, , .		2
132	Fixed-Point Square Roots Using L-b Truncation [DSP Tips and Tricks]. IEEE Signal Processing Magazine, 2011, 28, 149-153.	5.6	13
133	Versatile and portable DSP platform for learning embedded signal processing. , 2011, , .		3
134	The DORT solution in acoustic inverse scattering problem of a small elastic scatterer. Ultrasonics, 2010, 50, 829-840.	3.9	4
135	On preprocessing techniques for bandlimited parametric loudspeakers. Applied Acoustics, 2010, 71, 486-492.	3.3	26
136	Localization of acoustic source on solids: A linear predictive coding based algorithm for location template matching. , 2010, , .		9
137	Generalized harmonic analysis of Arc-Tangent Square Root (ATSR) nonlinear device for virtual bass system. , 2010, , .		8
138	Development of Parametric Loudspeaker. IEEE Potentials, 2010, 29, 20-24.	0.3	39
139	Performance analysis on recursive single-sideband amplitude modulation for parametric loudspeakers. , 2010, , .		6
140	Active noise control: Open problems and challenges. , 2010, , .		25
141	Active noise control for motorcycle helmets. , 2010, , .		5
142	Active Noise Control Using a Functional Link Artificial Neural Network with the Simultaneous Perturbation Learning Rule. Shock and Vibration, 2009, 16, 325-334.	0.6	3
143	Synthesis of polynomial-based nonlinear device and harmonic shifting technique for virtual bass system. , 2009, , .		3
144	Zero Padding Multistatic Data Matrix and Parameter Optimisation of DORT Method in Selective Focusing. HKIE Transactions, 2009, 16, 29-37.	0.1	1

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145	Convergence Analysis of Narrowband Active Noise Equalizer System Under Imperfect Secondary Path Estimation. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 566-571.	3.2	18
146	Decomposition of time reversal operator method in a small elastic scatterer. , 2009, , .		1
147	The investigation of localized sound generation using two ultrasound beams. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1282-1287.	3.0	4
148	Model-Free Control of Nonlinear Noise Processes Based on C-FLAN. Advances in Intelligent and Soft Computing, 2009, , 535-541.	0.2	3
149	Analysis of misequalization in a narrowband active noise equalizer system. Journal of Sound and Vibration, 2008, 311, 1438-1446.	3.9	10
150	On the use of an SPSA-based model-free feedback controller in active noise control for periodic disturbances in a duct. Journal of Sound and Vibration, 2008, 317, 456-472.	3.9	29
151	Fast image resizing in discrete cosine transform domain with spatial relationship between DCT block and its sub-blocks. , 2008, , .		2
152	Selective focusing with numerical technique of time reversal operator decomposition. , 2008, , .		2
153	A lowcomplexity fast converging partial update adaptive algorithm employing variable step-size for acoustic echo cancellation. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	5
154	Harmonic analysis of nonlinear devices for virtual bass system. , 2008, , .		4
155	Integration of Bass Enhancement and Active Noise Control System in Automobile Cabin. Advances in Acoustics and Vibration, 2008, 2008, 1-9.	0.5	4
156	Preprocessing techniques for parametric loudspeakers. , 2008, , .		1
157	Weighted least squares DORT method in selective focusing. , 2008, , .		1
158	Analysis of active noise equalization system with imperfect secondary path estimation. , 2008, , .		0
159	Novel DORT Method in Non-Well-Resolved Scatterer Case. IEEE Signal Processing Letters, 2008, 15, 705-708.	3.6	7
160	Proportionate subband adaptive filtering. , 2008, , .		2
161	Intelligent Audio, Speech, and Music Processing Applications. Eurasip Journal on Audio, Speech, and Music Processing, 2008, 2008, 1-2.	2.1	0
162	A Low-Cost 256-Point FFT Processor for Portable Speech and Audio Applications. , 2007, , .		5

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163	Fast Arbitrary Resizing of Images in DCT Domain. , 2007, , .		4
164	New Equalizing Scheme of Active Noise Equalization System in Automobile Cabin. , 2007, , .		0
165	On Delayless Architecture for the Normalized Subband Adaptive Filter. , 2007, , .		13
166	Perceptually tuned subband coder with region of interest. , 2007, , .		0
167	<title>A design of real time image capturing and processing system using Texas Instrument's processor</title>. Proceedings of SPIE, 2007, , .	0.8	0
168	Efficient Algorithm and Architecture of Critical-Band Transform for Low-Power Speech Applications. Eurasip Journal on Advances in Signal Processing, 2007, 2007, .	1.7	1
169	Detection and localization of the scatterers via DORT method. , 2007, , .		3
170	VLSI Architectures for Lifting-Based Discrete Wavelet Packet Transform. , 2007, , .		5
171	Scalable image coder for mobile device. , 2007, , .		1
172	Green's Function Estimation in Homogeneous and Scattering Medium for Time Reversal Signal Processing (TRSP) Communication. , 2007, , .		1
173	Efficient VLSI Architecture for Lifting-Based Discrete Wavelet Packet Transform. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 422-426.	2.2	26
174	Mean-Square Performance Analysis of the Normalized Subband Adaptive Filter. , 2006, , .		21
175	Inherent Decorrelating and Least Perturbation Properties of the Normalized Subband Adaptive Filter. IEEE Transactions on Signal Processing, 2006, 54, 4475-4480.	5.3	87
176	Active noise control system for headphone applications. IEEE Transactions on Control Systems Technology, 2006, 14, 331-335.	5.2	150
177	Adaptive recurrent fuzzy neural networks for active noise control. Journal of Sound and Vibration, 2006, 296, 935-948.	3.9	64
178	Bandwidth-efficient recursive pth-order equalization for correcting baseband distortion in parametric loudspeakers. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 706-710.	3.2	11
179	A digital beamsteerer for difference frequency in a parametric array. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 1018-1025.	3.2	52
180	Teaching DSP Software Development: From Design to Fixed-Point Implementations. IEEE Transactions on Education, 2006, 49, 122-131.	2.4	19

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181	On the Subband Orthogonality of Cosine-Modulated Filter Banks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006, 53, 677-681.	2.2	19
182	Model-Free Control of a Nonlinear ANC System with a SPSA-Based Neural Network Controller. Lecture Notes in Computer Science, 2006, , 1033-1038.	1.3	5
183	Target-Oriented Acoustic Radiation Generation Technique for Sound Field Control. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2006, E89-A, 3671-3677.	0.3	4
184	A simple calculation method for the self- and mutual-radiation impedance of flexible rectangular patches in a rigid infinite baffle. Journal of Sound and Vibration, 2005, 282, 179-195.	3.9	21
185	Analysis and DSP implementation of an ANC system using a filtered-error neural network. Journal of Sound and Vibration, 2005, 285, 1-25.	3.9	49
186	Nonlinear least-square solution to flat-top pattern synthesis using arbitrary linear array. Signal Processing, 2005, 85, 1869-1874.	3.7	14
187	Acoustic beamforming of a parametric speaker comprising ultrasonic transducers. Sensors and Actuators A: Physical, 2005, 125, 91-99.	4.1	37
188	A Model Predictive Algorithm for Active Control of Nonlinear Noise Processes. Shock and Vibration, 2005, 12, 227-237.	0.6	2
189	Beamwidth Control in Parametric Acoustic Array. Japanese Journal of Applied Physics, 2005, 44, 6817-6819.	1.5	13
190	Initial value independent optimisation for flat-top power pattern synthesis using non-uniform linear arrays. Electronics Letters, 2005, 41, 677.	1.0	2
191	A Simplified Algorithm for Impedance Calculation of Arbitrarily Shaped Radiators. Chinese Physics Letters, 2005, 22, 2459-2461.	3.3	0
192	Implementation of dynamic voltage and frequency scaling on Blackfin processors. , 2005, , .		1
193	Adaptive feedback active noise control headset: implementation, evaluation and its extensions. IEEE Transactions on Consumer Electronics, 2005, 51, 975-982.	3.6	77
194	Modeling of finite-amplitude sound beams: second order fields generated by a parametric loudspeaker. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 610-618.	3.0	24
195	Practical implementation of subband DCT based coder. , 2005, , .		2
196	Experimental Investigation of Active Vibration Control Using a Filtered-Error Neural Network and Piezoelectric Actuators. Lecture Notes in Computer Science, 2005, , 161-166.	1.3	2
197	Strategies for an Acoustical-Hotspot Generation. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2005, E88-A, 1739-1746.	0.3	9
198	A Fast Algorithm for the Sound Projection Using Multiple Sources. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2005, E88-A, 1765-1766.	0.3	2

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199	Radiation Impedance Calculation for Arbitrarily Shaped Piston. Japanese Journal of Applied Physics, 2004, 43, 6274-6277.	1.5	2
200	A model predictive algorithm for active noise control with online secondary path modelling. Journal of Sound and Vibration, 2004, 270, 1056-1066.	3.9	15
201	Active noise control using a simplified fuzzy neural network. Journal of Sound and Vibration, 2004, 272, 437-449.	3.9	28
202	FPGA implementation of parametric loudspeaker system. Microprocessors and Microsystems, 2004, 28, 261-272.	2.8	13
203	A Fast Field Scheme for the Parametric Sound Radiation from Rectangular Aperture Source. Chinese Physics Letters, 2004, 21, 110-113.	3.3	7
204	Improving convergence of the NLMS algorithm using constrained subband updates. IEEE Signal Processing Letters, 2004, 11, 736-739.	3.6	264
205	Development of virtual sound imaging system using triple elevated speakers. IEEE Transactions on Consumer Electronics, 2004, 50, 916-922.	3.6	8
206	Applications of adaptive feedback active noise control system. IEEE Transactions on Control Systems Technology, 2003, 11, 216-220.	5.2	63
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