

# Woon-Seng Gan

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198  
papers

2,594  
citations

25  
h-index

42  
g-index

261  
ext. papers

3,330  
ext. citations

3.2  
avg, IF

5.62  
L-index

#	Paper	IF	Citations
198	Selective fixed-filter active noise control based on convolutional neural network. <i>Signal Processing</i> , <b>2022</b> , 190, 108317	4.4	6
197	A Hybrid SFANC-FxNLMS Algorithm for Active Noise Control Based on Deep Learning. <i>IEEE Signal Processing Letters</i> , <b>2022</b> , 29, 1102-1106	3.2	0
196	Augmented/Mixed Reality Audio for Hearables: Sensing, control, and rendering. <i>IEEE Signal Processing Magazine</i> , <b>2022</b> , 39, 63-89	9.4	0
195	Lowering the Sampling Rate: Heart Rate Response during Cognitive Fatigue. <i>Biosensors</i> , <b>2022</b> , 12, 315	5.9	0
194	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> , <b>2022</b> , 30, 1749-1762	3.6	1
193	A multidimensional assessment of construction machinery noises based on perceptual attributes and psychoacoustic parameters. <i>Automation in Construction</i> , <b>2022</b> , 140, 104295	9.6	0
192	Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. <i>IEEE Signal Processing Letters</i> , <b>2021</b> , 1-1	3.2	2
191	A mixed-reality approach to soundscape assessment of outdoor urban environments augmented with natural sounds. <i>Building and Environment</i> , <b>2021</b> , 194, 107688	6.5	5
190	Biomarker-Informed Machine Learning Model of Cognitive Fatigue from a Heart Rate Response Perspective. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
189	A General Network Architecture for Sound Event Localization and Detection Using Transfer Learning and Recurrent Neural Network <b>2021</b> ,		1
188	A Wireless Reference Active Noise Control Headphone Using Coherence Based Selection Technique <b>2021</b> ,		3
187	Block coordinate descent based algorithm for computational complexity reduction in multichannel active noise control system. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 151, 107346	7.8	16
186	Alternative switching hybrid ANC. <i>Applied Acoustics</i> , <b>2021</b> , 173, 107712	3.1	9
185	Automation of binaural headphone audio calibration on an artificial head. <i>MethodsX</i> , <b>2021</b> , 8, 101288	1.9	1
184	Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. <i>IEEE Signal Processing Letters</i> , <b>2021</b> , 28, 593-597	3.2	7
183	Ten questions concerning active noise control in the built environment. <i>Building and Environment</i> , <b>2021</b> , 200, 107928	6.5	16
182	Extracting Urban Sound Information for Residential Areas in Smart Cities Using an End-to-End IoT System. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 14308-14321	10.7	3

181	Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. <i>Signal Processing</i> , <b>2021</b> , 188, 108222	4.4	7
180	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2021</b> , 29, 1256-1269	3.6	10
179	Using empirical wavelet transform to speed up selective filtered active noise control system. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, 3490	2.2	8
178	An Improved Selective Active Noise Control Algorithm Based on Empirical Wavelet Transform <b>2020</b> ,		2
177	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2020</b> , 1-1	3.6	12
176	Active control of broadband sound through the open aperture of a full-sized domestic window. <i>Scientific Reports</i> , <b>2020</b> , 10, 10021	4.9	21
175	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. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , <b>2020</b> , 28, 940-953	2.6	20
174	Feedforward multichannel virtual-sensing active control of noise through an aperture: Analysis on causality and sensor-actuator constraints. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, 32	2.2	12
173	Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone <b>2020</b> ,		1
172	A Sequence Matching Network for Polyphonic Sound Event Localization and Detection <b>2020</b> ,		1
171	Effects of adding natural sounds to urban noises on the perceived loudness of noise and soundscape quality. <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134571	10.2	27
170	A combined bilateral and binaural active noise control algorithm for closed-back headphones. <i>Applied Acoustics</i> , <b>2020</b> , 160, 107129	3.1	7
169	Effects of contexts in urban residential areas on the pleasantness and appropriateness of natural sounds. <i>Sustainable Cities and Society</i> , <b>2020</b> , 63, 102475	10.1	5
168	Active Control of Low-Frequency Noise through a Single Top-Hung Window in a Full-Sized Room. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6817	2.6	7
167	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> , <b>2020</b> , 28, 2626-2637	3.6	13
166	The effects of spatial separations between water sound and traffic noise sources on soundscape assessment. <i>Building and Environment</i> , <b>2020</b> , 167, 106423	6.5	11
165	Multiband grid-free compressive beamforming. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 135, 106425	7.8	3
164	Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 390	2.6	4

163	A hybrid approach to active and passive noise control for open windows. <i>Applied Acoustics</i> , <b>2019</b> , 155, 338-345	3.1	5
162	Parametric Hear through Equalization for Augmented Reality Audio <b>2019</b> ,		1
161	Optimal Leak Factor Selection for the Output-Constrained Leaky Filtered-Input Least Mean Square Algorithm. <i>IEEE Signal Processing Letters</i> , <b>2019</b> , 26, 670-674	3.2	8
160	Two-gradient direction FXLMS: An adaptive active noise control algorithm with output constraint. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 116, 651-667	7.8	20
159	Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints <b>2019</b> ,		3
158	Quality assessment of acoustic environment reproduction methods for cinematic virtual reality in soundscape applications. <i>Building and Environment</i> , <b>2019</b> , 149, 1-14	6.5	37
157	Integrated psychoacoustic active noise control and masking. <i>Applied Acoustics</i> , <b>2019</b> , 145, 339-348	3.1	7
156	Physical limits on the performance of active noise control through open windows. <i>Applied Acoustics</i> , <b>2018</b> , 137, 9-17	3.1	24
155	A wavenumber approach to analysing the active control of plane waves with arrays of secondary sources. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 419, 405-419	3.9	26
154	A Novel Selective Active Noise Control Algorithm to Overcome Practical Implementation Issue <b>2018</b> ,		11
153	Fast Continuous Measurement of HRTFs with Unconstrained Head Movements for 3D Audio. <i>AES: Journal of the Audio Engineering Society</i> , <b>2018</b> , 66, 884-900	1.3	4
152	Active control of sound through full-sized open windows. <i>Building and Environment</i> , <b>2018</b> , 141, 16-27	6.5	30
151	Fast HRFT measurement system with unconstrained head movements for 3D audio in virtual and augmented reality applications <b>2017</b> ,		2
150	Mixed-error approach for multi-channel active noise control of open windows. <i>Applied Acoustics</i> , <b>2017</b> , 127, 305-315	3.1	34
149	Multiple parallel branch with folding architecture for multichannel filtered-x least mean square algorithm <b>2017</b> ,		3
148	Noisy vehicle surveillance camera: A system to deter noisy vehicle in smart city. <i>Applied Acoustics</i> , <b>2017</b> , 117, 236-245	3.1	9
147	Localization of harmonic source using a single moving sensor of known trajectory <b>2017</b> ,		1
146	Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction <b>2017</b> ,		6

145	Psychoacoustic subband active noise control algorithm <b>2017</b> ,		4
144	Effect of the audio amplifier's distortion on feedforward active noise control <b>2017</b> ,		6
143	On algorithms and implementations of a 4-channel active noise canceling window <b>2017</b> ,		2
142	Spatial Audio for Soundscape Design: Recording and Reproduction. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 627	2.6	35
141	Individualization of Head-Related Transfer Functions in the Median Plane using Frontal Projection Headphones. <i>AES: Journal of the Audio Engineering Society</i> , <b>2016</b> , 64, 1026-1041	1.3	3
140	Open loop active control of noise through open windows <b>2016</b> ,		4
139	Comparison of different development kits and its suitability in signal processing education <b>2016</b> ,		3
138	Efficacy of a parametric assistive listening system to enhance the audibility and intelligibility of speech: Presenting Author: Eu Chin Ho. <i>Journal of Laryngology and Otology</i> , <b>2016</b> , 130, S175-S175	1.8	
137	A systolic FxLMS structure for implementation of feedforward active noise control on FPGA <b>2016</b> ,		5
136	Fast continuous HRTF acquisition with unconstrained movements of human subjects <b>2016</b> ,		5
135	Natural Sound Rendering for Headphones: Integration of signal processing techniques. <i>IEEE Signal Processing Magazine</i> , <b>2015</b> , 32, 100-113	9.4	27
134	Generating dual beams from a single steerable parametric loudspeaker. <i>Applied Acoustics</i> , <b>2015</b> , 99, 43-50	1	10
133	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2015</b> , 23, 1431-1444	3.6	6
132	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2015</b> , 23, 1988-2002	3.6	19
131	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2015</b> , 1-1	3.6	
130	Modeling distance-dependent individual head-related transfer functions in the horizontal plane using frontal projection headphones. <i>Journal of the Acoustical Society of America</i> , <b>2015</b> , 138, 150-71	2.2	2
129	Multi-shift principal component analysis based primary component extraction for spatial audio reproduction <b>2015</b> ,		4
128	On the preprocessing and postprocessing of HRTF individualization based on sparse representation of anthropometric features <b>2015</b> ,		9

127	Applying primary ambient extraction for immersive spatial audio reproduction <b>2015</b> ,		1
126	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2015</b> , 23, 1576-1588	3.6	2
125	Primary-Ambient Extraction Using Ambient Phase Estimation with a Sparsity Constraint. <i>IEEE Signal Processing Letters</i> , <b>2015</b> , 22, 1127-1131	3.2	6
124	A hybrid speaker array-headphone system for immersive 3D audio reproduction <b>2015</b> ,		1
123	New feedback active noise control system with improved performance <b>2014</b> ,		1
122	. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , <b>2014</b> , 22, 505-517	3.6	17
121	Stochastic analysis of FXLMS-based internal model control feedback active noise control systems. <i>Signal Processing</i> , <b>2014</b> , 101, 121-133	4.4	19
120	Fast and efficient real-time GPU based implementation of wave field synthesis <b>2014</b> ,		3
119	A study on the frequency-domain Primary-ambient extraction for stereo audio signals <b>2014</b> ,		9
118	An overview of directivity control methods of the parametric array loudspeaker. <i>APSIPA Transactions on Signal and Information Processing</i> , <b>2014</b> , 3,	4.4	13
117	Development of a steerable stereophonic parametric loudspeaker <b>2014</b> ,		2
116	Spatial Aliasing Effects in a Steerable Parametric Loudspeaker for Stereophonic Sound Reproduction. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2014</b> , E97.A, 1859-1866	0.4	6
115	Wave Field Synthesis: The Future of Spatial Audio. <i>IEEE Potentials</i> , <b>2013</b> , 32, 17-23	1	3
114	. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2013</b> , 21, 2403-2411		14
113	Recent applications and challenges on active noise control <b>2013</b> ,		6
112	A psychoacoustical preprocessing technique for virtual bass enhancement of the parametric loudspeaker <b>2013</b> ,		7
111	Time-shifted principal component analysis based cue extraction for stereo audio signals <b>2013</b> ,		11
110	A preprocessing method to increase high frequency response of a parametric loudspeaker <b>2013</b> ,		3

109	Steerable parametric loudspeaker with preprocessing methods <b>2013</b> ,		2
108	Hybrid immersive three-dimensional sound reproduction system with steerable parametric loudspeakers <b>2013</b> ,		6
107	Psychoacoustic hybrid active noise control system <b>2012</b> ,		2
106	A psychoacoustic bass enhancement system with improved transient and steady-state performance <b>2012</b> ,		4
105	Identification of a parametric loudspeaker system using an adaptive Volterra filter. <i>Applied Acoustics</i> , <b>2012</b> , 73, 1251-1262	3.1	23
104	A review of parametric acoustic array in air. <i>Applied Acoustics</i> , <b>2012</b> , 73, 1211-1219	3.1	75
103	Analysis and calibration of system errors in steerable parametric loudspeakers. <i>Applied Acoustics</i> , <b>2012</b> , 73, 1263-1270	3.1	5
102	An alternative method to measure the on-axis difference-frequency sound in a parametric loudspeaker without using an acoustic filter. <i>Applied Acoustics</i> , <b>2012</b> , 73, 1244-1250	3.1	6
101	Fixed-Point Square Roots Using L-Bit Truncation <b>2012</b> , 307-315		
100	Product directivity models for parametric loudspeakers. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 131, 1938-45	2.2	27
99	Active Transient Vibration Control Using a Novel Repetitive Algorithm. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 160, 258-262	0.3	1
98	Recent advances on active noise control: open issues and innovative applications. <i>APSIPA Transactions on Signal and Information Processing</i> , <b>2012</b> , 1,	4.4	163
97	Modeling the directivity of parametric loudspeaker <b>2012</b> ,		1
96	Inverse system design based on the Volterra modeling of a parametric loudspeaker system <b>2012</b> ,		1
95	Fixed-point square roots <b>2012</b> ,		2
94	Model-Free Iterative Learning Control for Repetitive Impulsive Noise Using FFT. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 461-467	0.9	2
93	Audio Projection. <i>IEEE Signal Processing Magazine</i> , <b>2011</b> , 28, 43-57	9.4	27
92	Grating lobe elimination in steerable parametric loudspeaker. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2011</b> , 58, 437-50	3.2	16

91	Fast arbitrary resizing of images in the discrete cosine transform domain. <i>IET Image Processing</i> , <b>2011</b> , 5, 73	1.7	4
90	Time-Reversal Approach to the Stereophonic Acoustic Echo Cancellation Problem. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2011</b> , 19, 385-395		7
89	A Comparative Analysis of Preprocessing Methods for the Parametric Loudspeaker Based on the Khokhlov-Zabolotskaya-Kuznetsov Equation for Speech Reproduction. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2011</b> , 19, 937-946		16
88	Perceptually tuned subband coder for JPEG. <i>Journal of Real-Time Image Processing</i> , <b>2011</b> , 6, 101-115	1.9	
87	Fixed-Point Square Roots Using L-b Truncation [DSP Tips and Tricks]. <i>IEEE Signal Processing Magazine</i> , <b>2011</b> , 28, 149-153	9.4	10
86	Versatile and portable DSP platform for learning embedded signal processing <b>2011</b> ,		2
85	Localization of acoustic source on solids: A linear predictive coding based algorithm for location template matching <b>2010</b> ,		6
84	Development of Parametric Loudspeaker. <i>IEEE Potentials</i> , <b>2010</b> , 29, 20-24	1	25
83	Performance analysis on recursive single-sideband amplitude modulation for parametric loudspeakers <b>2010</b> ,		3
82	Active noise control: Open problems and challenges <b>2010</b> ,		17
81	Active noise control for motorcycle helmets <b>2010</b> ,		3
80	The DORT solution in acoustic inverse scattering problem of a small elastic scatterer. <i>Ultrasonics</i> , <b>2010</b> , 50, 829-40	3.5	3
79	On preprocessing techniques for bandlimited parametric loudspeakers. <i>Applied Acoustics</i> , <b>2010</b> , 71, 486-492	3.2	17
78	Active Noise Control Using a Functional Link Artificial Neural Network with the Simultaneous Perturbation Learning Rule. <i>Shock and Vibration</i> , <b>2009</b> , 16, 325-334	1.1	3
77	Zero Padding Multistatic Data Matrix and Parameter Optimisation of DORT Method in Selective Focusing. <i>HKIE Transactions</i> , <b>2009</b> , 16, 29-37	2.9	
76	Convergence Analysis of Narrowband Active Noise Equalizer System Under Imperfect Secondary Path Estimation. <i>IEEE Transactions on Audio Speech and Language Processing</i> , <b>2009</b> , 17, 566-571		11
75	The investigation of localized sound generation using two ultrasound beams. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2009</b> , 56, 1282-7	3.2	4
74	Model-Free Control of Nonlinear Noise Processes Based on C-FLAN. <i>Advances in Intelligent and Soft Computing</i> , <b>2009</b> , 535-541		2



73	<b>2009,</b>		113
72	A lowcomplexity fast converging partial update adaptive algorithm employing variable step-size for acoustic echo cancellation. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008,</i>	1.6	3
71	Integration of Bass Enhancement and Active Noise Control System in Automobile Cabin. <i>Advances in Acoustics and Vibration, 2008,</i> 2008, 1-9	0.8	4
70	Novel DORT Method in Non-Well-Resolved Scatterer Case. <i>IEEE Signal Processing Letters, 2008,</i> 15, 705-708	3.0	4
69	Analysis of misequalization in a narrowband active noise equalizer system. <i>Journal of Sound and Vibration, 2008,</i> 311, 1438-1446	3.9	8
68	On the use of an SPSA-based model-free feedback controller in active noise control for periodic disturbances in a duct. <i>Journal of Sound and Vibration, 2008,</i> 317, 456-472	3.9	23
67	Efficient VLSI Architecture for Lifting-Based Discrete Wavelet Packet Transform. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007,</i> 54, 422-426		16
66	<b>2007,</b>		15
65	A Low-Cost 256-Point FFT Processor for Portable Speech and Audio Applications <b>2007,</b>		2
64	On Delayless Architecture for the Normalized Subband Adaptive Filter <b>2007,</b>		11
63	Efficient Algorithm and Architecture of Critical-Band Transform for Low-Power Speech Applications. <i>Eurasip Journal on Advances in Signal Processing, 2007,</i> 2007,	1.9	1
62	VLSI Architectures for Lifting-Based Discrete Wavelet Packet Transform <b>2007,</b>		4
61	A Nonlinear ANC System with a SPSA-Based Recurrent Fuzzy Neural Network Controller. <i>Lecture Notes in Computer Science, 2007,</i> 176-182	0.9	1
60	Bandwidth-efficient recursive pth-order equalization for correcting baseband distortion in parametric loudspeakers. <i>IEEE Transactions on Audio Speech and Language Processing, 2006,</i> 14, 706-710		7
59	A digital beamsteerer for difference frequency in a parametric array. <i>IEEE Transactions on Audio Speech and Language Processing, 2006,</i> 14, 1018-1025		35
58	Teaching DSP software development: from design to fixed-point implementations. <i>IEEE Transactions on Education, 2006,</i> 49, 122-131	2.1	12
57	On the Subband Orthogonality of Cosine-Modulated Filter Banks. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2006,</i> 53, 677-681		16
56	Mean-Square Performance Analysis of the Normalized Subband Adaptive Filter <b>2006,</b>		18

55	Inherent Decorrelating and Least Perturbation Properties of the Normalized Subband Adaptive Filter. <i>IEEE Transactions on Signal Processing</i> , <b>2006</b> , 54, 4475-4480	4.8	74
54	Active noise control system for headphone applications. <i>IEEE Transactions on Control Systems Technology</i> , <b>2006</b> , 14, 331-335	4.8	101
53	Adaptive recurrent fuzzy neural networks for active noise control. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 296, 935-948	3.9	47
52	Target-Oriented Acoustic Radiation Generation Technique for Sound Field Control. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2006</b> , E89-A, 3671-3677	0.4	3
51	Model-Free Control of a Nonlinear ANC System with a SPSA-Based Neural Network Controller. <i>Lecture Notes in Computer Science</i> , <b>2006</b> , 1033-1038	0.9	3
50	Adaptive Feedback active noise control headset: implementation, evaluation and its extensions. <i>IEEE Transactions on Consumer Electronics</i> , <b>2005</b> , 51, 975-982	4.8	60
49	Modeling of finite-amplitude sound beams: second order fields generated by a parametric loudspeaker. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2005</b> , 52, 610-8	3.2	21
48	Experimental Investigation of Active Vibration Control Using a Filtered-Error Neural Network and Piezoelectric Actuators. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 161-166	0.9	2
47	A simple calculation method for the self- and mutual-radiation impedance of flexible rectangular patches in a rigid infinite baffle. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 282, 179-195	3.9	19
46	Analysis and DSP implementation of an ANC system using a filtered-error neural network. <i>Journal of Sound and Vibration</i> , <b>2005</b> , 285, 1-25	3.9	43
45	Nonlinear least-square solution to flat-top pattern synthesis using arbitrary linear array. <i>Signal Processing</i> , <b>2005</b> , 85, 1869-1874	4.4	11
44	Acoustic beamforming of a parametric speaker comprising ultrasonic transducers. <i>Sensors and Actuators A: Physical</i> , <b>2005</b> , 125, 91-99	3.9	25
43	A Model Predictive Algorithm for Active Control of Nonlinear Noise Processes. <i>Shock and Vibration</i> , <b>2005</b> , 12, 227-237	1.1	2
42	Beamwidth Control in Parametric Acoustic Array. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, 6817-6819	1.4	13
41	Initial value independent optimisation for flat-top power pattern synthesis using non-uniform linear arrays. <i>Electronics Letters</i> , <b>2005</b> , 41, 677	1.1	2
40	A Simplified Algorithm for Impedance Calculation of Arbitrarily Shaped Radiators. <i>Chinese Physics Letters</i> , <b>2005</b> , 22, 2459-2461	1.8	
39	Strategies for an Acoustical-Hotspot Generation. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , <b>2005</b> , E88-A, 1739-1746	0.4	8
38	Radiation Impedance Calculation for Arbitrarily Shaped Piston. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 6274-6277	1.4	2

37	A model predictive algorithm for active noise control with online secondary path modelling. <i>Journal of Sound and Vibration</i> , <b>2004</b> , 270, 1056-1066	3.9	11
36	Active noise control using a simplified fuzzy neural network. <i>Journal of Sound and Vibration</i> , <b>2004</b> , 272, 437-449	3.9	23
35	FPGA implementation of parametric loudspeaker system. <i>Microprocessors and Microsystems</i> , <b>2004</b> , 28, 261-272	2.4	6
34	A Fast Field Scheme for the Parametric Sound Radiation from Rectangular Aperture Source. <i>Chinese Physics Letters</i> , <b>2004</b> , 21, 110-113	1.8	6
33	Improving convergence of the NLMS algorithm using constrained subband updates. <i>IEEE Signal Processing Letters</i> , <b>2004</b> , 11, 736-739	3.2	205
32	Development of virtual sound imaging system using triple elevated speakers. <i>IEEE Transactions on Consumer Electronics</i> , <b>2004</b> , 50, 916-922	4.8	3
31	Constant beamwidth beamformer for difference frequency in parametric array <b>2003</b> ,		5
30	Improved sound separation using three loudspeakers. <i>Acoustics Research Letters Online: ARLO</i> , <b>2003</b> , 4, 47-52		12
29	Applications of adaptive feedback active noise control system. <i>IEEE Transactions on Control Systems Technology</i> , <b>2003</b> , 11, 216-220	4.8	44
28	A complex virtual source approach for calculating the diffraction beam field generated by a rectangular planar source. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2003</b> , 50, 890-7	3.2	42
27	Time-domain lifted wavelet collocation method for modeling nonlinear wave propagation. <i>Acoustics Research Letters Online: ARLO</i> , <b>2002</b> , 3, 124-129		
26	Teaching and learning the hows and whys of real-time digital signal processing. <i>IEEE Transactions on Education</i> , <b>2002</b> , 45, 336-343	2.1	16
25	Rapid prototyping of DSP algorithms on VLIW TMS320C6701 DSP. <i>Microprocessors and Microsystems</i> , <b>2002</b> , 26, 311-324	2.4	9
24	An integrated audio and active noise control headset. <i>IEEE Transactions on Consumer Electronics</i> , <b>2002</b> , 48, 242-247	4.8	67
23	Elevated speaker projection for digital home entertainment system. <i>IEEE Transactions on Consumer Electronics</i> , <b>2001</b> , 47, 631-637	4.8	2
22	Virtual bass for home entertainment, multimedia PC, game station and portable audio systems. <i>IEEE Transactions on Consumer Electronics</i> , <b>2001</b> , 47, 787-796	4.8	4
21	Speaker placement for robust virtual audio display system. <i>Electronics Letters</i> , <b>2000</b> , 36, 683	1.1	5
20	Applying equal-loudness compensation to the adaptive active noise control. <i>Applied Acoustics</i> , <b>2000</b> , 61, 183-187	3.1	4

19	An integrated environment for rapid prototyping of DSP Algorithms using matlab and Texas instruments TMS320C30. <i>Microprocessors and Microsystems</i> , <b>2000</b> , 24, 349-363	2.4	16
18	Rapid prototyping system for teaching real-time digital signal processing. <i>IEEE Transactions on Education</i> , <b>2000</b> , 43, 19-24	2.1	29
17	Application of virtual bass in audio crosstalk cancellation. <i>Electronics Letters</i> , <b>2000</b> , 36, 1500	1.1	
16	Wavelet packet decomposition for spatial sound conditioning. <i>Electronics Letters</i> , <b>1999</b> , 35, 1821	1.1	
15	Active noise compression systems. <i>Circuits, Systems, and Signal Processing</i> , <b>1998</b> , 17, 667-682	2.2	
14	Broadband active noise compressor. <i>IEEE Signal Processing Letters</i> , <b>1998</b> , 5, 11-14	3.2	3
13	User-defined spectral manipulation of HRTF for improved localisation in 3D sound systems. <i>Electronics Letters</i> , <b>1998</b> , 34, 2387	1.1	15
12	Adaptive active noise equaliser. <i>Electronics Letters</i> , <b>1997</b> , 33, 1518	1.1	12
11	Designing a fuzzy step size LMS algorithm. <i>IET Computer Vision</i> , <b>1997</b> , 144, 261		14
10	A broadband self-tuning active noise equaliser. <i>Signal Processing</i> , <b>1997</b> , 62, 251-256	4.4	6
9	Fuzzy step-size adjustment for the LMS algorithm. <i>Signal Processing</i> , <b>1996</b> , 49, 145-149	4.4	9
8	New functional-link based equaliser. <i>Electronics Letters</i> , <b>1992</b> , 28, 1643	1.1	13
7	Stability bound for noncanonical LMS. <i>Electronics Letters</i> , <b>1992</b> , 28, 504	1.1	
6	Comparative analysis between noncanonical LMS and LMS adaptive filtering. <i>Electronics Letters</i> , <b>1991</b> , 27, 947-950	1.1	1
5	Adaptive noise equalizer with equal-loudness compensation		2
4	Integrated Headsets Using the Adaptive Hybrid Active Noise Control System		3
3	Adaptive filtering using constrained subband updates		1
2	Multivariate FOREX forecasting using artificial neural networks		3

1	A Multi-Channel Wireless Active Noise Control Headphone With Coherence-Based Weight Determination Algorithm. <i>Journal of Signal Processing Systems</i> ,1	1.4	1
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