Woon-Seng Gan

List of Publications by Citations

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	Improving convergence of the NLMS algorithm using constrained subband updates. *IEEE Signal Processing Letters*, **2004**, 11, 736-739	3.2	205
197	Recent advances on active noise control: open issues and innovative applications. *APSIPA Transactions on Signal and Information Processing*, **2012**, 1,	4.4	163
196	**2009**,		113
195	Active noise control system for headphone applications. *IEEE Transactions on Control Systems Technology*, **2006**, 14, 331-335	4.8	101
194	A review of parametric acoustic array in air. *Applied Acoustics*, **2012**, 73, 1211-1219	3.1	75
193	Inherent Decorrelating and Least Perturbation Properties of the Normalized Subband Adaptive Filter. *IEEE Transactions on Signal Processing*, **2006**, 54, 4475-4480	4.8	74
192	An integrated audio and active noise control headset. *IEEE Transactions on Consumer Electronics*, **2002**, 48, 242-247	4.8	67
191	Adaptive feedback active noise control headset: implementation, evaluation and its extensions. *IEEE Transactions on Consumer Electronics*, **2005**, 51, 975-982	4.8	60
190	Adaptive recurrent fuzzy neural networks for active noise control. *Journal of Sound and Vibration*, **2006**, 296, 935-948	3.9	47
189	Applications of adaptive feedback active noise control system. *IEEE Transactions on Control Systems Technology*, **2003**, 11, 216-220	4.8	44
188	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	43
187	A complex virtual source approach for calculating the diffraction beam field generated by a rectangular planar source. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2003**, 50, 890-7	3.2	42
186	Quality assessment of acoustic environment reproduction methods for cinematic virtual reality in soundscape applications. *Building and Environment*, **2019**, 149, 1-14	6.5	37
185	Spatial Audio for Soundscape Design: Recording and Reproduction. *Applied Sciences (Switzerland)*, **2017**, 7, 627	2.6	35
184	A digital beamsteerer for difference frequency in a parametric array. *IEEE Transactions on Audio Speech and Language Processing*, **2006**, 14, 1018-1025		35
183	Mixed-error approach for multi-channel active noise control of open windows. *Applied Acoustics*, **2017**, 127, 305-315	3.1	34
182	Active control of sound through full-sized open windows. *Building and Environment*, **2018**, 141, 16-27	6.5	30

181	Rapid prototyping system for teaching real-time digital signal processing. *IEEE Transactions on Education*, **2000**, 43, 19-24	2.1	29
180	Natural Sound Rendering for Headphones: Integration of signal processing techniques. *IEEE Signal Processing Magazine*, **2015**, 32, 100-113	9.4	27
179	Audio Projection. *IEEE Signal Processing Magazine*, **2011**, 28, 43-57	9.4	27
178	Product directivity models for parametric loudspeakers. *Journal of the Acoustical Society of America*, **2012**, 131, 1938-45	2.2	27
177	Effects of adding natural sounds to urban noises on the perceived loudness of noise and soundscape quality. *Science of the Total Environment*, **2020**, 711, 134571	10.2	27
176	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	26
175	Development of Parametric Loudspeaker. *IEEE Potentials*, **2010**, 29, 20-24	1	25
174	Acoustic beamforming of a parametric speaker comprising ultrasonic transducers. *Sensors and Actuators A: Physical*, **2005**, 125, 91-99	3.9	25
173	Physical limits on the performance of active noise control through open windows. *Applied Acoustics*, **2018**, 137, 9-17	3.1	24
172	Identification of a parametric loudspeaker system using an adaptive Volterra filter. *Applied Acoustics*, **2012**, 73, 1251-1262	3.1	23
171	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	23
170	Active noise control using a simplified fuzzy neural network. *Journal of Sound and Vibration*, **2004**, 272, 437-449	3.9	23
169	Active control of broadband sound through the open aperture of a full-sized domestic window. *Scientific Reports*, **2020**, 10, 10021	4.9	21
168	Modeling of finite-amplitude sound beams: second order fields generated by a parametric loudspeaker. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2005**, 52, 610-8	3.2	21
167	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	2.6	20
166	Two-gradient direction FXLMS: An adaptive active noise control algorithm with output constraint. *Mechanical Systems and Signal Processing*, **2019**, 116, 651-667	7.8	20
165	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2015**, 23, 1988-2002	3.6	19
164	Stochastic analysis of FXLMS-based internal model control feedback active noise control systems. *Signal Processing*, **2014**, 101, 121-133	4.4	19

163	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	19
162	Mean-Square Performance Analysis of the Normalized Subband Adaptive Filter **2006**,		18
161	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2014**, 22, 505-517	3.6	17
160	Active noise control: Open problems and challenges **2010**,		17
159	On preprocessing techniques for bandlimited parametric loudspeakers. *Applied Acoustics*, **2010**, 71, 486-492	3.1	17
158	Grating lobe elimination in steerable parametric loudspeaker. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2011**, 58, 437-50	3.2	16
157	A Comparative Analysis of Preprocessing Methods for the Parametric Loudspeaker Based on the KhokhlovZabolotskayaKuznetsov Equation for Speech Reproduction. *IEEE Transactions on Audio Speech and Language Processing*, **2011**, 19, 937-946		16
156	Efficient VLSI Architecture for Lifting-Based Discrete Wavelet Packet Transform. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2007**, 54, 422-426		16
155	On the Subband Orthogonality of Cosine-Modulated Filter Banks. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2006**, 53, 677-681		16
154	Teaching and learning the hows and whys of real-time digital signal processing. *IEEE Transactions on Education*, **2002**, 45, 336-343	2.1	16
153	An integrated environment for rapid prototyping of DSP Algorithms using matlab and Texas instrumentsTMS320C30. *Microprocessors and Microsystems*, **2000**, 24, 349-363	2.4	16
152	Block coordinate descent based algorithm for computational complexity reduction in multichannel active noise control system. *Mechanical Systems and Signal Processing*, **2021**, 151, 107346	7.8	16
151	Ten questions concerning active noise control in the built environment. *Building and Environment*, **2021**, 200, 107928	6.5	16
150	**2007**,		15
149	User-defined spectral manipulation of HRTF for improved localisation in 3D sound systems. *Electronics Letters*, **1998**, 34, 2387	1.1	15
148	. *IEEE Transactions on Audio Speech and Language Processing*, **2013**, 21, 2403-2411		14
147	Designing a fuzzy step size LMS algorithm. *IET Computer Vision*, **1997**, 144, 261		14
146	An overview of directivity control methods of the parametric array loudspeaker. *APSIPA Transactions on Signal and Information Processing*, **2014**, 3,	4.4	13

145	Beamwidth Control in Parametric Acoustic Array. *Japanese Journal of Applied Physics*, **2005**, 44, 6817-68104		13
144	New functional-link based equaliser. *Electronics Letters*, **1992**, 28, 1643	1.1	13
143	Robust Source Counting and DOA Estimation Using Spatial Pseudo-Spectrum and Convolutional Neural Network. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2020**, 28, 2626-2637	3.6	13
142	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2020**, 1-1	3.6	12
141	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	2.2	12
140	Adaptive active noise equaliser. *Electronics Letters*, **1997**, 33, 1518	1.1	12
139	Teaching DSP software development: from design to fixed-point implementations. *IEEE Transactions on Education*, **2006**, 49, 122-131	2.1	12
138	Improved sound separation using three loudspeakers. *Acoustics Research Letters Online: ARLO*, **2003**, 4, 47-52		12
137	Time-shifted principal component analysis based cue extraction for stereo audio signals **2013**,		11
136	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		11
135	On Delayless Architecture for the Normalized Subband Adaptive Filter **2007**,		11
134	A model predictive algorithm for active noise control with online secondary path modelling. *Journal of Sound and Vibration*, **2004**, 270, 1056-1066	3.9	11
133	Nonlinear least-square solution to flat-top pattern synthesis using arbitrary linear array. *Signal Processing*, **2005**, 85, 1869-1874	4.4	11
132	The effects of spatial separations between water sound and traffic noise sources on soundscape assessment. *Building and Environment*, **2020**, 167, 106423	6.5	11
131	A Novel Selective Active Noise Control Algorithm to Overcome Practical Implementation Issue **2018**,		11
130	Generating dual beams from a single steerable parametric loudspeaker. *Applied Acoustics*, **2015**, 99, 43-50.1		10
129	Fixed-Point Square Roots Using L-b Truncation [DSP Tips and Tricks]. *IEEE Signal Processing Magazine*, **2011**, 28, 149-153	9.4	10
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127	Noisy vehicle surveillance camera: A system to deter noisy vehicle in smart city. *Applied Acoustics*, **2017**, 117, 236-245	3.1	9
126	On the preprocessing and postprocessing of HRTF individualization based on sparse representation of anthropometric features **2015**,		9
125	A study on the frequency-domain Primary-ambient extraction for stereo audio signals **2014**,		9
124	Rapid prototyping of DSP algorithms on VLIW TMS320C6701 DSP. *Microprocessors and Microsystems*, **2002**, 26, 311-324	2.4	9
123	Fuzzy step-size adjustment for the LMS algorithm. *Signal Processing*, **1996**, 49, 145-149	4.4	9
122	Alternative switching hybrid ANC. *Applied Acoustics*, **2021**, 173, 107712	3.1	9
121	Optimal Leak Factor Selection for the Output-Constrained Leaky Filtered-Input Least Mean Square Algorithm. *IEEE Signal Processing Letters*, **2019**, 26, 670-674	3.2	8
120	Using empirical wavelet transform to speed up selective filtered active noise control system. *Journal of the Acoustical Society of America*, **2020**, 147, 3490	2.2	8
119	Analysis of misequalization in a narrowband active noise equalizer system. *Journal of Sound and Vibration*, **2008**, 311, 1438-1446	3.9	8
118	Strategies for an Acoustical-Hotspot Generation. *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences*, **2005**, E88-A, 1739-1746	0.4	8
117	A psychoacoustical preprocessing technique for virtual bass enhancement of the parametric loudspeaker **2013**,		7
116	Time-Reversal Approach to the Stereophonic Acoustic Echo Cancellation Problem. *IEEE Transactions on Audio Speech and Language Processing*, **2011**, 19, 385-395		7
115	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		7
114	A combined bilateral and binaural active noise control algorithm for closed-back headphones. *Applied Acoustics*, **2020**, 160, 107129	3.1	7
113	Active Control of Low-Frequency Noise through a Single Top-Hung Window in a Full-Sized Room. *Applied Sciences (Switzerland)*, **2020**, 10, 6817	2.6	7
112	Integrated psychoacoustic active noise control and masking. *Applied Acoustics*, **2019**, 145, 339-348	3.1	7
111	Fast Adaptive Active Noise Control Based on Modified Model-Agnostic Meta-Learning Algorithm. *IEEE Signal Processing Letters*, **2021**, 28, 593-597	3.2	7
110	Comb-partitioned frequency-domain constraint adaptive algorithm for active noise control. *Signal Processing*, **2021**, 188, 108222	4.4	7

109	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2015**, 23, 1431-1444	3.6	6
108	Understanding multiple-input multiple-output active noise control from a perspective of sampling and reconstruction **2017**,		6
107	Effect of the audio amplifier's distortion on feedforward active noise control **2017**,		6
106	Primary-Ambient Extraction Using Ambient Phase Estimation with a Sparsity Constraint. *IEEE Signal Processing Letters*, **2015**, 22, 1127-1131	3.2	6
105	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	3.1	6
104	Recent applications and challenges on active noise control **2013**,		6
103	Hybrid immersive three-dimensional sound reproduction system with steerable parametric loudspeakers **2013**,		6
102	Localization of acoustic source on solids: A linear predictive coding based algorithm for location template matching **2010**,		6
101	A broadband self-tuning active noise equaliser. *Signal Processing*, **1997**, 62, 251-256	4.4	6
100	FPGA implementation of parametric loudspeaker system. *Microprocessors and Microsystems*, **2004**, 28, 261-272	2.4	6
99	A Fast Field Scheme for the Parametric Sound Radiation from Rectangular Aperture Source. *Chinese Physics Letters*, **2004**, 21, 110-113	1.8	6
98	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	0.4	6
97	Selective fixed-filter active noise control based on convolutional neural network. *Signal Processing*, **2022**, 190, 108317	4.4	6
96	A hybrid approach to active and passive noise control for open windows. *Applied Acoustics*, **2019**, 155, 338-345	3.1	5
95	Analysis and calibration of system errors in steerable parametric loudspeakers. *Applied Acoustics*, **2012**, 73, 1263-1270	3.1	5
94	Constant beamwidth beamformer for difference frequency in parametric array **2003**,		5
93	Speaker placement for robust virtual audio display system. *Electronics Letters*, **2000**, 36, 683	1.1	5
92	Effects of contexts in urban residential areas on the pleasantness and appropriateness of natural sounds. *Sustainable Cities and Society*, **2020**, 63, 102475	10.1	5

91	A mixed-reality approach to soundscape assessment of outdoor urban environments augmented with natural sounds. *Building and Environment*, **2021**, 194, 107688	6.5	5
90	A systolic FxLMS structure for implementation of feedforward active noise control on FPGA **2016**,		5
89	Fast continuous HRTF acquisition with unconstrained movements of human subjects **2016**,		5
88	Exploiting the Underdetermined System in Multichannel Active Noise Control for Open Windows. *Applied Sciences (Switzerland)*, **2019**, 9, 390	2.6	4
87	Open loop active control of noise through open windows **2016**,		4
86	Psychoacoustic subband active noise control algorithm **2017**,		4
85	Multi-shift principal component analysis based primary component extraction for spatial audio reproduction **2015**,		4
84	A psychoacoustic bass enhancement system with improved transient and steady-state performance **2012**,		4
83	Fast arbitrary resizing of images in the discrete cosine transform domain. *IET Image Processing*, **2011**, 5, 73	1.7	4
82	The investigation of localized sound generation using two ultrasound beams. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2009**, 56, 1282-7	3.2	4
81	Integration of Bass Enhancement and Active Noise Control System in Automobile Cabin. *Advances in Acoustics and Vibration*, **2008**, 2008, 1-9	0.8	4
80	Novel DORT Method in Non-Well-Resolved Scatterer Case. *IEEE Signal Processing Letters*, **2008**, 15, 705-708		4
79	VLSI Architectures for Lifting-Based Discrete Wavelet Packet Transform **2007**,		4
78	Applying equal-loudness compensation to the adaptive active noise control. *Applied Acoustics*, **2000**, 61, 183-187	3.1	4
77	Virtual bass for home entertainment, multimedia PC, game station and portable audio systems. *IEEE Transactions on Consumer Electronics*, **2001**, 47, 787-796	4.8	4
76	Fast Continuous Measurement of HRTFs with Unconstrained Head Movements for 3D Audio. *AES: Journal of the Audio Engineering Society*, **2018**, 66, 884-900	1.3	4
75	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	1.3	3
74	Comparison of different development kits and its suitability in signal processing education **2016**,		3

73	Analysis of Multichannel Virtual Sensing Active Noise Control to Overcome Spatial Correlation and Causality Constraints **2019**,		3
72	Wave Field Synthesis: The Future of Spatial Audio. *IEEE Potentials*, **2013**, 32, 17-23	1	3
71	Multiple parallel branch with folding architecture for multichannel filtered-x least mean square algorithm **2017**,		3
70	Fast and efficient real-time GPU based implementation of wave field synthesis **2014**,		3
69	A preprocessing method to increase high frequency response of a parametric loudspeaker **2013**,		3
68	Performance analysis on recursive single-sideband amplitude modulation for parametric loudspeakers **2010**,		3
67	Active noise control for motorcycle helmets **2010**,		3
66	Active Noise Control Using a Functional Link Artificial Neural Network with the Simultaneous Perturbation Learning Rule. *Shock and Vibration*, **2009**, 16, 325-334	1.1	3
65	The DORT solution in acoustic inverse scattering problem of a small elastic scatterer. *Ultrasonics*, **2010**, 50, 829-40	3.5	3
64	Broadband active noise compressor. *IEEE Signal Processing Letters*, **1998**, 5, 11-14	3.2	3
63	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**,	1.6	3
62	Development of virtual sound imaging system using triple elevated speakers. *IEEE Transactions on Consumer Electronics*, **2004**, 50, 916-922	4.8	3
61	Integrated Headsets Using the Adaptive Hybrid Active Noise Control System		3
60	Multivariate FOREX forecasting using artificial neural networks		3
59	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	0.4	3
58	A Wireless Reference Active Noise Control Headphone Using Coherence Based Selection Technique **2021**,		3
57	Multiband grid-free compressive beamforming. *Mechanical Systems and Signal Processing*, **2020**, 135, 106425	7.8	3
56	Extracting Urban Sound Information for Residential Areas in Smart Cities Using an End-to-End IoT System. *IEEE Internet of Things Journal*, **2021**, 8, 14308-14321	10.7	3

55	Model-Free Control of a Nonlinear ANC System with a SPSA-Based Neural Network Controller. *Lecture Notes in Computer Science*, **2006**, 1033-1038	0.9	3
54	An Improved Selective Active Noise Control Algorithm Based on Empirical Wavelet Transform **2020**,		2
53	Fast HRFT measurement system with unconstrained head movements for 3D audio in virtual and augmented reality applications **2017**,		2
52	On algorithms and implementations of a 4-channel active noise canceling window **2017**,		2
51	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, 150-71	2.2	2
50	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2015**, 23, 1576-1588	3.6	2
49	Development of a steerable stereophonic parametric loudspeaker **2014**,		2
48	Psychoacoustic hybrid active noise control system **2012**,		2
47	Steerable parametric loudspeaker with preprocessing methods **2013**,		2
46	Versatile and portable DSP platform for learning embedded signal processing **2011**,		2
45	Fixed-point square roots **2012**,		2
44	A Low-Cost 256-Point FFT Processor for Portable Speech and Audio Applications **2007**,		2
43	Adaptive noise equalizer with equal-loudness compensation		2
42	Experimental Investigation of Active Vibration Control Using a Filtered-Error Neural Network and Piezoelectric Actuators. *Lecture Notes in Computer Science*, **2005**, 161-166	0.9	2
41	Radiation Impedance Calculation for Arbitrarily Shaped Piston. *Japanese Journal of Applied Physics*, **2004**, 43, 6274-6277	1.4	2
40	A Model Predictive Algorithm for Active Control of Nonlinear Noise Processes. *Shock and Vibration*, **2005**, 12, 227-237	1.1	2
39	Initial value independent optimisation for flat-top power pattern synthesis using non-uniform linear arrays. *Electronics Letters*, **2005**, 41, 677	1.1	2
38	Elevated speaker projection for digital home entertainment system. *IEEE Transactions on Consumer Electronics*, **2001**, 47, 631-637	4.8	2

37	Optimal Penalty Factor for the MOV-FxLMS Algorithm in Active Noise Control System. *IEEE Signal Processing Letters*, **2021**, 1-1	3.2	2
36	Model-Free Control of Nonlinear Noise Processes Based on C-FLAN. *Advances in Intelligent and Soft Computing*, **2009**, 535-541		2
35	Model-Free Iterative Learning Control for Repetitive Impulsive Noise Using FFT. *Lecture Notes in Computer Science*, **2012**, 461-467	0.9	2
34	Parametric Hear through Equalization for Augmented Reality Audio **2019**,		1
33	Multichannel Active Noise Control with Spatial Derivative Constraints to Enlarge the Quiet Zone **2020**,		1
32	A Sequence Matching Network for Polyphonic Sound Event Localization and Detection **2020**,		1
31	New feedback active noise control system with improved performance **2014**,		1
30	Localization of harmonic source using a single moving sensor of known trajectory **2017**,		1
29	Applying primary ambient extraction for immersive spatial audio reproduction **2015**,		1
28	A hybrid speaker array-headphone system for immersive 3D audio reproduction **2015**,		1
27	Active Transient Vibration Control Using a Novel Repetitive Algorithm. *Applied Mechanics and Materials*, **2012**, 160, 258-262	0.3	1
26	Modeling the directivity of parametric loudspeaker **2012**,		1
25	Inverse system design based on the Volterra modeling of a parametric loudspeaker system **2012**,		1
24	Efficient Algorithm and Architecture of Critical-Band Transform for Low-Power Speech Applications. *Eurasip Journal on Advances in Signal Processing*, **2007**, 2007,	1.9	1
23	Adaptive filtering using constrained subband updates		1
22	A Nonlinear ANC System with a SPSA-Based Recurrent Fuzzy Neural Network Controller. *Lecture Notes in Computer Science*, **2007**, 176-182	0.9	1
21	Comparative analysis between noncanonical LMS and LMS adaptive filtering. *Electronics Letters*, **1991**, 27, 947-950	1.1	1
20	Biomarker-Informed Machine Learning Model of Cognitive Fatigue from a Heart Rate Response Perspective. *Sensors*, **2021**, 21,	3.8	1

19	A General Network Architecture for Sound Event Localization and Detection Using Transfer Learning and Recurrent Neural Network **2021**,		1
18	Automation of binaural headphone audio calibration on an artificial head. *MethodsX*, **2021**, 8, 101288	1.9	1
17	A Multi-Channel Wireless Active Noise Control Headphone With Coherence-Based Weight Determination Algorithm. *Journal of Signal Processing Systems*,1	1.4	1
16	SALSA: Spatial Cue-Augmented Log-Spectrogram Features for Polyphonic Sound Event Localization and Detection. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2022**, 30, 1749-1762	3.6	1
15	A Hybrid SFANC-FxNLMS Algorithm for Active Noise Control Based on Deep Learning. *IEEE Signal Processing Letters*, **2022**, 29, 1102-1106	3.2	0
14	Augmented/Mixed Reality Audio for Hearables: Sensing, control, and rendering. *IEEE Signal Processing Magazine*, **2022**, 39, 63-89	9.4	0
13	Lowering the Sampling Rate: Heart Rate Response during Cognitive Fatigue. *Biosensors*, **2022**, 12, 315	5.9	0
12	A multidimensional assessment of construction machinery noises based on perceptual attributes and psychoacoustic parameters. *Automation in Construction*, **2022**, 140, 104295	9.6	0
11	. *IEEE/ACM Transactions on Audio Speech and Language Processing*, **2015**, 1-1	3.6	
10	Fixed-Point Square Roots Using L-Bit Truncation **2012**, 307-315		
9	Perceptually tuned subband coder for JPEG. *Journal of Real-Time Image Processing*, **2011**, 6, 101-115	1.9	
8	Zero Padding Multistatic Data Matrix and Parameter Optimisation of DORT Method in Selective Focusing. *HKIE Transactions*, **2009**, 16, 29-37	2.9	
7	Active noise compression systems. *Circuits, Systems, and Signal Processing*, **1998**, 17, 667-682	2.2	
6	Time-domain lifted wavelet collocation method for modeling nonlinear wave propagation. *Acoustics Research Letters Online: ARLO*, **2002**, 3, 124-129		
5	A Simplified Algorithm for Impedance Calculation of Arbitrarily Shaped Radiators. *Chinese Physics Letters*, **2005**, 22, 2459-2461	1.8	
4	Application of virtual bass in audio crosstalk cancellation. *Electronics Letters*, **2000**, 36, 1500	1.1	
3	Wavelet packet decomposition for spatial sound conditioning. *Electronics Letters*, **1999**, 35, 1821	1.1	
2	Stability bound for noncanonical LMS. *Electronics Letters*, **1992**, 28, 504	1.1	

1   Efficacy of a parametric assistive listening system to enhance the audibility and intelligibility of speech: Presenting Author: Eu Chin Ho. *Journal of Laryngology and Otology*, **2016**, 130, S175-S175   1.8