Wai-Yip Chan

List of Publications by Year
in descending order

42 papers	692 citations	1163117 8 h-index	1199594 12 g-index
42 all docs	42 docs citations	42 times ranked	478 citing authors

#	Article	IF	Citations
1	A Non-Intrusive Quality and Intelligibility Measure of Reverberant and Dereverberated Speech. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1766-1774.	3.2	262
2	Modulation Spectral Features for Robust Far-Field Speaker Identification. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 90-100.	3.2	75
3	Temporal Dynamics for Blind Measurement of Room Acoustical Parameters. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 978-989.	4.7	54
4	Frequency-Domain Volterra-Based Equalization Structures for Efficient Mitigation of Intrachannel Kerr Nonlinearities. Journal of Lightwave Technology, 2016, 34, 1770-1777.	4.6	45
5	Non-Intrusive GMM-Based Speech Quality Measurement. , 0, , .		33
6	Automatic recognition of speech emotion using long-term spectro-temporal features. , 2009, , .		29
7	Hybrid Signal-and-Link-Parametric Speech Quality Measurement for VoIP Communications. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 1579-1589.	3.2	16
8	Breast Cancer Prognosis via Gaussian Mixture Regression. , 2006, , .		14
9	Unequal error protection rateless coding design for multimedia multicasting. , 2010, , .		13
10	The effect of simulated room acoustic parameters on the intelligibility and perceived reverberation of monosyllabic words and sentences. Journal of the Acoustical Society of America, 2020, 147, EL396-EL402.	1.1	13
11	Use of Machine Learning and Artificial Intelligence Methods in Geriatric Mental Health Research Involving Electronic Health Record or Administrative Claims Data: A Systematic Review. Frontiers in Psychiatry, 2021, 12, 738466.	2.6	12
12	Throughput Performance of Generation-Based Network Coding. , 2007, , .		11
13	Speech Intelligibility Prediction Using Spectro-Temporal Modulation Analysis. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 210-225.	5.8	11
14	Enhanced Non-Intrusive Speech Quality Measurement Using Degradation Models. , 0, , .		8
15	Performance Improvement of the H.264/AVC Deblocking Filter Using SIMD Instructions. , 0, , .		8
16	Improving Robustness of Image Quality Measurement with Degradation Classification and Machine Learning. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	8
17	Low-Latency Source-Channel Coding for Fading Channels with Correlated Interference. IEEE Wireless Communications Letters, 2014, 3, 137-140.	5.0	8
18	Scalable High-Throughput Architecture for H.264/AVC Variable Block Size Motion Estimation. , 0, , .		7

#	Article	IF	Citations
19	Architecture for Multiple Reference Frame Variable Block Size Motion Estimation. , 2007, , .		7
20	Network coding with unequal size overlapping generations. , 2012, , .		7
21	A data mining approach to objective speech quality measurement. , 0, , .		6
22	Towards a new perceptual coding paradigm for audio signals. , 0, , .		5
23	Multiple description quantizer design for multiple-antenna systems with MAP detection. IEEE Transactions on Communications, 2010, 58, 136-145.	7.8	5
24	Optimization of rateless coding for multimedia multicasting. , 2010, , .		4
25	Complexity reduction of frequency-domain Volterra-based nonlinearity post-compensation using symmetric electronic dispersion compensation. , 2014, , .		4
26	Voice quality assessment using classification trees. , 0, , .		3
27	Feature mining for GMM-based speech quality measurement. , 0, , .		3
28	Performance comparison of layered coding and multiple description coding in packet networks. , 2005, , .		3
29	Large file distribution using efficient generation-based network coding. , 2013, , .		3
30	Systematic network coding for transmission over two-hop lossy links. , 2014, , .		3
31	Recursive and Non-Recursive Network Coding: Performance and Complexity. , 2007, , .		2
32	Classification of Speech Degradations at Network Endpoints Using Psychoacoustic Features. , 2007, , .		2
33	E-model based comparison of multiple description coding and layered coding in packet networks. European Transactions on Telecommunications, 2007, 18, 661-668.	1.2	2
34	Joint pitch and voicing estimation for multiband excitation and sinusoidal speech coders. , 0, , .		1
35	Multiple Description Quantizer Design for Space-time Orthogonal Block Coded Channels. , 2007, , .		1
36	A Hybrid Signal-and-Link-Parametric Approach to Single-Ended Quality Measurement of Packetized Speech. , 2007, , .		1

#	Article	IF	Citations
37	Single-ended intelligibility prediction of noisy speech based on auditory features. , 2017, , .		1
38	Using Acoustic Parameters for Intelligibility Prediction of Reverberant Speech. , 2018, , .		1
39	Improvement and Assessment of Spectro-Temporal Modulation Analysis for Speech Intelligibility Estimation. , 0, , .		1
40	Rate-distortion optimization of spatial filters for motion-compensated video coding. , 0, , .		0
41	Multiple Description Conjugate Vector Quantizers with Side Distortion Compensation. , 0, , .		0
42	Optimization of rateless-coded asynchronous multimedia multicast. , 2011, , .		0