Yannis Stylianou

List of Publications by Year
in descending order

52 papers	1,287 citations	777949 13 h-index	721071 23 g-index
52 all docs	52 docs citations	52 times ranked	1252 citing authors

#	Article	IF	Citations
1	End-to-End Neural Based Modification of Noisy Speech for Speech-in-Noise Intelligibility Improvement. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 162-173.	4.0	4
2	Connections between Reassigned Spectrum and Least Squares Estimation for Sinusoidal Models. , 2019, , .		0
3	Training Generative Adversarial Networks With Weights. , 2019, , .		4
4	Automatic acoustic detection of birds through deep learning: The first Bird Audio Detection challenge. Methods in Ecology and Evolution, 2019, 10, 368-380.	2.2	186
5	ON the Use of Wavenet as a Statistical Vocoder. , 2018, , .		26
6	A study of time-frequency features for CNN-based automatic heart sound classification for pathology detection. Computers in Biology and Medicine, 2018, 100, 132-143.	3.9	119
7	Evaluation of near-end speech enhancement under equal-loudness constraint for listeners with normal-hearing and mild-to-moderate hearing loss. Journal of the Acoustical Society of America, 2017, 141, 189-196.	0.5	6
8	Expressive visual text to speech and expression adaptation using deep neural networks. , 2017, , .		8
9	Effective emotion recognition in movie audio tracks. , 2017, , .		7
10	Adaptive gain control and time warp for enhanced speech intelligibility under reverberation. , 2017, , .		2
11	Predicting dialogue success, naturalness, and length with acoustic features. , 2017, , .		3
12	Full-Band Quasi-Harmonic Analysis and Synthesis of Musical Instrument Sounds with Adaptive Sinusoids. Applied Sciences (Switzerland), 2016, 6, 127.	1.3	6
13	Global Variance in Speech Synthesis With Linear Dynamical Models. IEEE Signal Processing Letters, 2016, 23, 1057-1061.	2.1	2
14	Adaptive Gain Control for Enhanced Speech Intelligibility Under Reverberation. IEEE Signal Processing Letters, 2016, 23, 1434-1438.	2.1	10
15	Advances in phase-aware signal processing in speech communication. Speech Communication, 2016, 81, 1-29.	1.6	99
16	Near and Far Field Speech-in-Noise Intelligibility Improvements Based on a Time–Frequency Energy Reallocation Approach. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 1808-1818.	4.0	10
17	Bird detection in audio: A survey and a challenge. , 2016, , .		82
18	Improved face-to-face communication using noise reduction and speech intelligibility enhancement. , 2015, , .		5

#	Article	IF	Citations
19	Enhancing the Intelligibility of Statistically Generated Synthetic Speech by Means of Noise-Independent Modifications. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 2101-2111.	4.0	11
20	Simple and artefact-free spectral modifications for enhancing the intelligibility of casual speech. , 2014, , .		2
21	Pitch modifications of speech based on an adaptive Harmonic Model. , 2014, , .		8
22	Robust full-band adaptive Sinusoidal analysis and synthesis of speech. , 2014, , .		7
23	Approaching speech intelligibility enhancement with inspiration from Lombard and Clear speaking styles. Computer Speech and Language, 2014, 28, 629-647.	2.9	38
24	Analysis and Synthesis of Speech Using an Adaptive Full-Band Harmonic Model. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 2085-2095.	3.8	40
25	Evaluating how well filtered white noise models the residual from sinusoidal modeling of musical instrument sounds. , 2013, , .		2
26	Evaluating the intelligibility benefit of speech modifications in known noise conditions. Speech Communication, 2013, 55, 572-585.	1.6	68
27	Time-scale modifications based on a full-band adaptive harmonic model. , 2013, , .		6
28	Improving intelligibility in noise of HMM-generated speech via noise-dependent and -independent methods. , 2013, , .		5
29	An extension of the adaptive Quasi-Harmonic Model. , 2012, , .		12
30	Glottal inverse filtering using stabilised weighted linear prediction. , 2011, , .		5
31	Adaptive AM–FM Signal Decomposition With Application to Speech Analysis. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 290-300.	3.8	62
32	Voice Pathology Detection and Discrimination Based on Modulation Spectral Features. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1938-1948.	3.8	106
33	ON the recovery of time-varying spectral envelope information from AQHM-derived spectra. , 2011, , .		1
34	Three Dimensions of Pitched Instrument Onset Detection. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1517-1527.	3.8	43
35	Auditory Spectrum-Based Pitched Instrument Onset Detection. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 1968-1977.	3.8	9
36	Introduction to the Special Section on Voice Transformation. IEEE Transactions on Audio Speech and Language Processing, 2010, 18, 909-911.	3.8	1

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37	Modulation spectral features for objective voice quality assessment. , 2010, , .		6
38	Reply to â€œComments on â€˜Iterative Estimation of Sinusoidal Signal Parametersâ€™â€• IEEE Signal Processing Letters, 2010, 17, 1024-1026.	2.1	1
39	On the robustness of the Quasi-Harmonic model of speech. , 2010, , .		1
40	Analysis/synthesis of speech based on an adaptive quasi-harmonic plus noise model. , 2010, , .		12
41	Iterative Estimation of Sinusoidal Signal Parameters. IEEE Signal Processing Letters, 2010, 17, 461-464.	2.1	39
42	Chirp rate estimation of speech based on a time-varying quasi-harmonic model. , 2009, , .		12
43	Using modulation spectra for voice pathology detection and classification. , 2009, 2009, 2514-7.		36
44	Wrapped Gaussian Mixture Models for Modeling and High-Rate Quantization of Phase Data of Speech. IEEE Transactions on Audio Speech and Language Processing, 2009, 17, 775-786.	3.8	38
45	A scale transform based method for rhythmic similarity of music. , 2009, , .		12
46	Musical Genre Classification Using Nonnegative Matrix Factorization-Based Features. IEEE Transactions on Audio Speech and Language Processing, 2008, 16, 424-434.	3.8	72
47	A phase based detector of whale clicks. , 2008, , .		2
48	A Statistical Approach to Musical Genre Classification using Non-Negative Matrix Factorization. , 2007, , .		13
49	Stochastic Modeling and Quantization of Harmonic Phases in Speech using Wrapped Gaussian Mixture Models. , 2007, , .		3
50	Conditional Vector Quantization for Speech Coding. IEEE Transactions on Audio Speech and Language Processing, 2007, 15, 377-386.	3.8	18
51	Dimensionality reduction of modulation frequency features for speech discrimination. , 0, , .		8
52	Normalized modulation spectral features for cross-database voice pathology detection. , 0, , .		9