Toshio Irino

List of Publications by Year
in descending order

20 papers	195 citations	1684188 5 h-index	1125743 13 g-index
20 all docs	20 docs citations	20 times ranked	153 citing authors

#	Article	IF	Citations
1	A Dynamic Compressive Gammachirp Auditory Filterbank. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 2222-2232.	3.2	118
2	Implementation of realtime STRAIGHT speech manipulation system: Report on its first implementation. Acoustical Science and Technology, 2007, 28, 140-146.	0.5	28
3	Warped-TSP: An acoustic measurement signal robust to background noise and harmonic distortion. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	0	9
4	Speech Segregation Using an Auditory Vocoder With Event-Synchronous Enhancements. IEEE Transactions on Audio Speech and Language Processing, 2006, 14, 2212-2221.	3.2	6
5	Accurate Estimation of Compression in Simultaneous Masking Enables the Simulation of Hearing Impairment for Normal-Hearing Listeners. Advances in Experimental Medicine and Biology, 2013, 787, 73-80.	1.6	6
6	Modelling speaker-size discrimination with voiced and unvoiced speech sounds based on the effect of spectral lift. Speech Communication, 2022, 136, 23-41.	2.8	5
7	Hearing impairment simulator based on compressive gammachirp filter. , 2014, , .		4
8	Observational and Accelerometer Analysis of Head Movement Patterns in Psychotherapeutic Dialogue. Sensors, 2021, 21, 3162.	3.8	4
9	The gammachirp auditory filter and its application to speech perception. Acoustical Science and Technology, 2020, 41, 99-107.	0.5	4
10	Speech intelligibility prediction with the dynamic compressive gammachirp filterbank and modulation power spectrum. Acoustical Science and Technology, 2019, 40, 84-92.	0.5	2
11	The Effect of Peripheral Compression on Syllable Perception Measured with a Hearing Impairment Simulator. Advances in Experimental Medicine and Biology, 2016, 894, 307-314.	1.6	2
12	Vowel-based frequency alignment function design and recognition-based time alignment for automatic speech morphing. , 2008, , .		1
13	Perception of vowel sequence with varying speaker size. Acoustical Science and Technology, 2010, 31, 156-164.	0.5	1
14	Auditory speech processing for scale-shift covariance and its evaluation in automatic speech recognition. , 2010, , .		1
15	Vocal tract length estimation for voiced and whispered speech using gammachirp filterbank. , 2013, , .		1
16	Excitation source design for high-quality speech manipulation systems based on a temporally static group delay representation of periodic signals. , 2014, , .		1
17	Detection of temporal modulation of "size" in vowel sequences. Acoustical Science and Technology, 2007, 28, 349-351.	0.5	1
18	Perception of size modulated vowel sequence: Can we normalize the size of continuously changing vocal tract?. Acoustical Science and Technology, 2009, 30, 83-88.	0.5	1

#	Article	IF	Citations
19	Developing a method to build Japanese speech recognition system based on 3-gram language model expansion with Google database. , 2013, , .		0
20	Speech intelligibility prediction using a multi-resolution gammachirp envelope distortion index with common parameters for different noise conditions. Acoustical Science and Technology, 2020, 41, 396-399.	0.5	0