

Asterios Toutios

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

383
citations

1040056

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1125743

13
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22
all docs

22
docs citations

22
times ranked

277
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time magnetic resonance imaging and electromagnetic articulography database for speech production research (TC). Journal of the Acoustical Society of America, 2014, 136, 1307-1311.	1.1	120
2	A fast and flexible MRI system for the study of dynamic vocal tract shaping. Magnetic Resonance in Medicine, 2017, 77, 112-125.	3.0	53
3	Semantic Edge Detection for Tracking Vocal Tract Air-Tissue Boundaries in Real-Time Magnetic Resonance Images. , 0, , .		20
4	Advances in real-time magnetic resonance imaging of the vocal tract for speech science and technology research. APSIPA Transactions on Signal and Information Processing, 2016, 5, .	3.3	18
5	Feasibility of through-time spiral generalized autocalibrating partial parallel acquisition for low latency accelerated real-time MRI of speech. Magnetic Resonance in Medicine, 2017, 78, 2275-2282.	3.0	17
6	Test-retest repeatability of human speech biomarkers from static and real-time dynamic magnetic resonance imaging. Journal of the Acoustical Society of America, 2017, 141, 3323-3336.	1.1	16
7	A multispeaker dataset of raw and reconstructed speech production real-time MRI video and 3D volumetric images. Scientific Data, 2021, 8, 187.	5.3	16
8	Vocal tract shaping of emotional speech. Computer Speech and Language, 2020, 64, 101100.	4.3	15
9	State-of-the-Art MRI Protocol for Comprehensive Assessment of Vocal Tract Structure and Function. , 0, , .		15
10	A kinematic study of critical and non-critical articulators in emotional speech production. Journal of the Acoustical Society of America, 2015, 137, 1411-1429.	1.1	14
11	Database of Volumetric and Real-Time Vocal Tract MRI for Speech Science. , 0, , .		14
12	Task-dependence of articulator synergies. Journal of the Acoustical Society of America, 2019, 145, 1504-1520.	1.1	12
13	A modular architecture for articulatory synthesis from gestural specification. Journal of the Acoustical Society of America, 2019, 146, 4458-4471.	1.1	11
14	Convex Hull Convolutional Non-Negative Matrix Factorization for Uncovering Temporal Patterns in Multivariate Time-Series Data. , 0, , .		9
15	Estimation of vocal tract area function from volumetric Magnetic Resonance Imaging. , 2017, , .		8
16	Advances in vocal tract imaging and analysis. , 2019, , 34-50.		7
17	Engineering Innovation in Speech Science: Data and Technologies. Perspectives of the ASHA Special Interest Groups, 2019, 4, 411-420.	0.8	6
18	Vocal Tract Articulatory Contour Detection in Real-Time Magnetic Resonance Images Using Spatio-Temporal Context. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	Improved Depiction of Tissue Boundaries in Vocal Tract Real-Time MRI Using Automatic Off-Resonance Correction. , 0, , .		3
20	Variation in compensatory strategies as a function of target constriction degree in post-glossectomy speech. JASA Express Letters, 2022, 2, 045205.	1.1	3
21	How an aglossic speaker produces an alveolar-like percept without a functional tongue tip. Journal of the Acoustical Society of America, 2020, 147, EL460-EL464.	1.1	1