

Scott L Thomson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9389420/publications.pdf>

Version: 2024-02-01

29
papers

986
citations

516710

16
h-index

477307

29
g-index

29
all docs

29
docs citations

29
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Aerodynamic transfer of energy to the vocal folds. Journal of the Acoustical Society of America, 2005, 118, 1689-1700.	1.1	199
2	Mammalian laryngeal air sacs add variability to the vocal tract impedance: Physical and computational modeling. Journal of the Acoustical Society of America, 2008, 124, 634-647.	1.1	97
3	Vibratory responses of synthetic, self-oscillating vocal fold models. Journal of the Acoustical Society of America, 2012, 132, 3428-3438.	1.1	83
4	Influence of supraglottal structures on the glottal jet exiting a two-layer synthetic, self-oscillating vocal fold model. Journal of the Acoustical Society of America, 2008, 123, 4434-4445.	1.1	81
5	Cavitation onset caused by acceleration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8470-8474.	7.1	48
6	Flow-induced vibratory response of idealized versus magnetic resonance imaging-based synthetic vocal fold models. Journal of the Acoustical Society of America, 2010, 128, EL124-EL129.	1.1	47
7	In Vitro Experimental Investigation of Voice Production. Current Bioinformatics, 2011, 6, 305-322.	1.5	47
8	Computational Simulations of Vocal Fold Vibration: Bernoulli Versus Navier-Stokes. Journal of Voice, 2007, 21, 273-284.	1.5	46
9	Identity and novelty in the avian syrinx. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10209-10217.	7.1	38
10	The evolution of the syrinx: An acoustic theory. PLoS Biology, 2019, 17, e2006507.	5.6	33
11	Synthetic, Multi-Layer, Self-Oscillating Vocal Fold Model Fabrication. Journal of Visualized Experiments, 2011, , .	0.3	31
12	Identification of geometric parameters influencing the flow-induced vibration of a two-layer self-oscillating computational vocal fold model. Journal of the Acoustical Society of America, 2011, 129, 2121-2132.	1.1	23
13	A Flow Perfusion Bioreactor System for Vocal Fold Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2016, 22, 823-838.	2.1	20
14	Three-dimensional flow measurements on flapping wings using synthetic aperture PIV. Experiments in Fluids, 2014, 55, 1.	2.4	19
15	Effect of inferior surface angle on the self-oscillation of a computational vocal fold model. Journal of the Acoustical Society of America, 2012, 131, 4062-4075.	1.1	18
16	Influence of subglottic stenosis on the flow-induced vibration of a computational vocal fold model. Journal of Fluids and Structures, 2013, 38, 77-91.	3.4	17
17	Acoustically-coupled flow-induced vibration of a computational vocal fold model. Computers and Structures, 2013, 116, 50-58.	4.4	17
18	Frequency Response of Synthetic Vocal Fold Models With Linear and Nonlinear Material Properties. Journal of Speech, Language, and Hearing Research, 2012, 55, 1395-1406.	1.6	16

#	ARTICLE	IF	CITATIONS
19	3D printing low-stiffness silicone within a curable support matrix. Additive Manufacturing, 2021, 37, 101681.	3.0	15
20	Influence of numerical model decisions on the flow-induced vibration of a computational vocal fold model. Computers and Structures, 2013, 122, 44-54.	4.4	14
21	Electrically conductive synthetic vocal fold replicas for voice production research. Journal of the Acoustical Society of America, 2017, 142, EL63-EL68.	1.1	14
22	A Synthetic, Self-Oscillating Vocal Fold Model Platform for Studying Augmentation Injection. Journal of Voice, 2014, 28, 133-143.	1.5	13
23	3D-Printed Synthetic Vocal Fold Models. Journal of Voice, 2021, 35, 685-694.	1.5	12
24	Acquisition of detailed laryngeal flow measurements in geometrically realistic models. Journal of the Acoustical Society of America, 2011, 130, EL82-EL86.	1.1	10
25	Quantification of Porcine Vocal Fold Geometry. Journal of Voice, 2016, 30, 416-426.	1.5	9
26	Flow over a membrane-covered, fluid-filled cavity. Computers and Structures, 2007, 85, 1012-1019.	4.4	7
27	Embedded 3D printing of multi-layer, self-oscillating vocal fold models. Journal of Biomechanics, 2021, 121, 110388.	2.1	7
28	Magnetic resonance imaging-based measurement of internal deformation of vibrating vocal fold models. Journal of the Acoustical Society of America, 2019, 145, 989-997.	1.1	4
29	Noise control of a vacuum-assisted toilet: structural vibration damping. Proceedings of Meetings on Acoustics, 2018, , .	0.3	1