Liran Oren

List of Publications by Year
in descending order

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37	379	840776 11	839539 18
papers	citations	h-index	g-index

44	44	44	213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intraglottal pressure distribution computed from empirical velocity data in canine larynx. Journal of Biomechanics, 2014, 47, 1287-1293.	2.1	35
2	Intraglottal geometry and velocity measurements in canine larynges. Journal of the Acoustical Society of America, 2014, 135, 380-388.	1.1	34
3	Characterization of the Vocal Fold Vertical Stiffness in a Canine Model. Journal of Voice, 2014, 28, 297-304.	1.5	33
4	Direct simultaneous measurement of intraglottal geometry and velocity fields in excised larynges. Laryngoscope, 2014, 124, S1-13.	2.0	26
5	Flow Fields and Acoustics in a Unilateral Scarred Vocal Fold Model. Annals of Otology, Rhinology and Laryngology, 2009, 118, 44-50.	1.1	23
6	Role of Subglottal Shape in Turbulence Reduction. Annals of Otology, Rhinology and Laryngology, 2009, 118, 232-240.	1.1	21
7	Intraglottal velocity and pressure measurements in a hemilarynx model. Journal of the Acoustical Society of America, 2015, 137, 935-943.	1.1	16
8	Effect of vocal fold asymmetries on glottal flow. Laryngoscope, 2016, 126, 2534-2538.	2.0	16
9	Understanding Nasal Emission During Speech Production: A Review of Types, Terminology, and Causality. Cleft Palate-Craniofacial Journal, 2020, 57, 123-126.	0.9	14
10	Pharyngeal flow simulations during sibilant sound in a patient-specific model with velopharyngeal insufficiency. Journal of the Acoustical Society of America, 2019, 145, 3137-3145.	1.1	13
11	Direct measurement of planar flow rate in an excised canine larynx model. Laryngoscope, 2015, 125, 383-388.	2.0	12
12	Flow Characteristics of Non Circular Synthetic Jets. , 2009, , .		11
13	Preliminary Assessment of Dynamic Voice CT in Postâ€“Airway Reconstruction Patients. Otolaryngology - Head and Neck Surgery, 2018, 159, 516-521.	1.9	11
14	How design characteristics of tracheostomy tubes affect the cannula and tracheal flows. Laryngoscope, 2019, 129, 1791-1799.	2.0	11
15	Sound production mechanisms of audible nasal emission during the sibilant /s/. Journal of the Acoustical Society of America, 2019, 146, 4199-4210.	1.1	10
16	Effects of velopharyngeal openings on flow characteristics of nasal emission. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1447-1459.	2.8	10
17	Medial Surface Dynamics as a Function of Subglottal Pressure in a Canine Larynx Model. Journal of Voice, 2021, 35, 69-76.	1.5	9
18	How Face Masks Affect Acoustic and Auditory Perceptual Characteristics of the Singing Voice. Journal of Voice, 2023, 37, 515-521.	1.5	9

#	Article	IF	Citations
19	Computational Modeling of Voice Production Using Excised Canine Larynx. Journal of Biomechanical Engineering, 2022, 144, .	1.3	9
20	Endoscopic posterior cricoid reduction: A surgical method to improve posterior glottic diastasis. Laryngoscope, 2019, 129, S1-S9.	2.0	8
21	Volume velocity in a canine larynx model using time-resolved tomographic particle image velocimetry. Experiments in Fluids, 2020, 61, 1.	2.4	8
22	Quantification of the Intraglottal Pressure Induced by Flow Separation Vortices Using Large Eddy Simulation. Journal of Voice, 2020, , .	1.5	5
23	Change in aeroacoustic sound mechanism during sibilant sound with different velopharyngeal opening sizes. Medical and Biological Engineering and Computing, 2021, 59, 937-945.	2.8	5
24	An Example of the Role of Basic Science Research to Inform the Treatment of Unilateral Vocal Fold Paralysis. Perspectives on Voice and Voice Disorders, 2014, 24, 37-50.	0.3	4
25	Impact of Vertical Stiffness Gradient on the Maximum Divergence Angle. Laryngoscope, 2021, 131, E1934-E1940.	2.0	4
26	Turbulence Characteristics of Axisymmetric and Non-Circular Synthetic Jets. , 2010, , .		3
27	Aerodynamic flow variables as a function of velopharyngeal gap size. Proceedings of Meetings on Acoustics, 2019, , .	0.3	3
28	Using High-Speed Nasopharyngoscopy to Quantify the Bubbling Above the Velopharyngeal Valve in Cases of Nasal Rustle. Cleft Palate-Craniofacial Journal, 2020, 57, 637-645.	0.9	3
29	Effects of False Vocal Folds on Intraglottal Velocity Fields. Journal of Voice, 2020, 35, 695-702.	1.5	3
30	Comparison of glottal flow rate characteristics based on experimental and computational data. Journal of the Acoustical Society of America, 2015, 138, 2427-2429.	1.1	2
31	Evaluating the biomechanical characteristics of cuffed-tracheostomy tubes using finite element analysis. Computer Methods in Biomechanics and Biomedical Engineering, 2021, 24, 1-11.	1.6	1
32	Surgical Treatment of Acquired Velopharyngeal Insufficiency in Adults With Dysphagia and Dysphonia. Journal of Voice, 2022, , .	1.5	1
33	An Exâ€vivo Model Examining Acoustics and Aerodynamic Effects Following Medialization With and Without Arytenoid Adduction. Laryngoscope, 2023, 133, 621-627.	2.0	1
34	Relationship between divergence angle and skewing of the volumetric flow rate in an excised canine larynx model without a vocal tract. Proceedings of Meetings on Acoustics, 2013, , .	0.3	0
35	Method for Fabricating Transparent Patient-Specific Vocal Tract Replicas. Cleft Palate-Craniofacial Journal, 2021, , 105566562110531.	0.9	0
36	Secretion Bubbling as the Sound Mechanism for Nasal Rustle: A Perceptual Study. Journal of Speech, Language, and Hearing Research, 2022, 65, 869-877.	1.6	0

#	Article	IF	Citations
37	Computational Modeling of Nasal Drug Delivery Using Different Intranasal Corticosteroid Sprays for the Treatment of Eustachian Tube Dysfunction. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2022, 5, .	0.5	0