Nicole Y K Li-Jessen

List of Publications by Year
in descending order

39 papers	719 citations	623734 14 h-index	552781 26 g-index
40 all docs	40 docs citations	40 times ranked	714 citing authors

#	ARTICLE	IF	CITATIONS
1	A Patient-Specific in silico Model of Inflammation and Healing Tested in Acute Vocal Fold Injury. PLoS ONE, 2008, 3, e2789.	2.5	102
2	Vocal Exercise May Attenuate Acute Vocal Fold Inflammation. Journal of Voice, 2012, 26, 814.e1-814.e13.	1.5	81
3	Translational systems biology of inflammation: potential applications to personalized medicine. Personalized Medicine, 2010, 7, 549-559.	1.5	61
4	Preliminary Data on Prevention and Treatment of Voice Problems in Student Teachers. Journal of Voice, 2012, 26, 816.e1-816.e12.	1.5	50
5	A paper-based microfluidic platform with shape-memory-polymer-actuated fluid valves for automated multi-step immunoassays. Microsystems and Nanoengineering, 2019, 5, 50.	7.0	49
6	Possible Cross-Cultural Differences in the Perception of Impact of Voice Disorders. Journal of Voice, 2011, 25, 348-353.	1.5	36
7	Biosimulation of Inflammation and Healing in Surgically Injured Vocal Folds. Annals of Otology, Rhinology and Laryngology, 2010, 119, 412-423.	1.1	27
8	Role of steroids in acute phonotrauma: A basic science investigation. Laryngoscope, 2014, 124, 921-927.	2.0	25
9	Biosimulation of acute phonotrauma: An extended model. Laryngoscope, 2011, 121, 2418-2428.	2.0	23
10	An In Vivo Study of Composite Microgels Based on Hyaluronic Acid and Gelatin for the Reconstruction of Surgically Injured Rat Vocal Folds. Journal of Speech, Language, and Hearing Research, 2014, 57, S658-73.	1.6	20
11	A Flow Perfusion Bioreactor System for Vocal Fold Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2016, 22, 823-838.	2.1	20
12	Translational systems biology and voice pathophysiology. Laryngoscope, 2010, 120, 511-515.	2.0	18
13	Dose‐dependent effect of mitomycin C on human vocal fold fibroblasts. Head and Neck, 2014, 36, 401-410.	2.0	17
14	Microstructural and mechanical characterization of scarred vocal folds. Journal of Biomechanics, 2015, 48, 708-711.	2.1	17
15	Investigation of Vocal Fatigue Using a Dose-Based Vocal Loading Task. Applied Sciences (Switzerland), 2020, 10, 1192.	2.5	14
16	An in vitro assessment of the response of THP‐1 macrophages to varying stiffness of a glycol‐chitosan hydrogel for vocal fold tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2021, 109, 1337-1352.	4.0	13
17	Discrimination between Modal, Breathy and Pressed Voice for Single Vowels Using Neck-Surface Vibration Signals. Applied Sciences (Switzerland), 2019, 9, 1505.	2.5	12
18	Study of extracellular matrix in vocal fold biomechanics using a two-phase model. Biomechanics and Modeling in Mechanobiology, 2015, 14, 49-57.	2.8	11

#	Article	IF	Citations
19	Retention of Human-Induced Pluripotent Stem Cells (hiPS) With Injectable HA Hydrogels for Vocal Fold Engineering. Annals of Otology, Rhinology and Laryngology, 2017, 126, 304-314.	1.1	11
20	Multimodal virtual histology of rabbit vocal folds by nonlinear microscopy and nano computed tomography. Biomedical Optics Express, 2019, 10, 1151.	2.9	10
21	Investigation of Chitosan-glycol/glyoxal as an Injectable Biomaterial for Vocal Fold Tissue Engineering. Procedia Engineering, 2015, 110, 143-150.	1.2	9
22	Wound‐healing effect of acupuncture for treating phonotraumatic vocal pathologies: A cytokine study. Laryngoscope, 2016, 126, E18-22.	2.0	9
23	Cellular source and proinflammatory roles of high-mobility group box 1 in surgically injured rat vocal folds. Laryngoscope, 2017, 127, E193-E200.	2.0	9
24	Towards a Physiological Scale of Vocal Fold Agent-Based Models of Surgical Injury and Repair: Sensitivity Analysis, Calibration and Verification. Applied Sciences (Switzerland), 2019, 9, 2974.	2.5	9
25	Temporal and spatial expression of high‐mobility group box 1 in surgically injured rat vocal folds. Laryngoscope, 2012, 122, 364-369.	2.0	8
26	Real-Time Agent-Based Modeling Simulation with in-Situ Visualization of Complex Biological Systems: A Case Study on Vocal Fold Inflammation and Healing. , 2016, 2016, 463-472.		7
27	Is Acupuncture Efficacious for Treating Phonotraumatic Vocal Pathologies? A Randomized Control Trial. Journal of Voice, 2016, 30, 611-620.	1.5	7
28	High-Performance Agent-Based Modeling Applied to Vocal Fold Inflammation and Repair. Frontiers in Physiology, 2018, 9, 304.	2.8	7
29	Progress in Vocal Fold Regenerative Biomaterials: An Immunological Perspective. Advanced NanoBiomed Research, 2022, 2, .	3.6	7
30	Characterizing Vocal Fold Injury Recovery in a Rabbit Model With Three‐Dimensional Virtual Histology. Laryngoscope, 2021, 131, 1578-1587.	2.0	6
31	In-Situ Visualization for 3D Agent-Based Vocal Fold Inflammation and Repair Simulation. Supercomputing Frontiers and Innovations, 2017, 4, 68-79.	0.4	5
32	Acoustic and perceptual analysis of modal and falsetto registers in females with dysphonia. Clinical Linguistics and Phonetics, 2006, 20, 463-481.	0.9	4
33	Assessment of fine needle aspiration feasibility and specimen adequacy for molecular diagnostics of benign vocal fold lesions. Laryngoscope, 2013, 123, 960-965.	2.0	4
34	Pediatric Vocal Fold Paresis and Paralysis. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 745.	2.2	3
35	Efficient and Explainable Deep Neural Networks for Airway Symptom Detection in Support of Wearable Health Technology. Advanced Intelligent Systems, 2022, 4, .	6.1	3
36	Neuroanatomy of Voice and Swallowing. , 2020, , 21-40.		2

#	Article	IF	Citations
37	Multimodal imaging of vocal fold scarring in a rabbit model by multiphoton microscopy. , 2017, , .		1
38	Functional Analysis of Injectable Substance Treatment on Surgically Injured Rabbit Vocal Folds. Journal of Voice, 2021, , .	1.5	1
39	Editorial: Integration of Machine Learning and Computer Simulation in Solving Complex Physiological and Medical Questions. Frontiers in Physiology, 0, 13, .	2.8	1