Nicole Y K Li-Jessen

List of Publications by Year
in descending order

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39	719	623734	552781
papers	citations	14 h-index	26 g-index

40	40	40	714
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Progress in Vocal Fold Regenerative Biomaterials: An Immunological Perspective. Advanced NanoBiomed Research, 2022, 2, .	3.6	7
2	Efficient and Explainable Deep Neural Networks for Airway Symptom Detection in Support of Wearable Health Technology. Advanced Intelligent Systems, 2022, 4, .	6.1	3
3	An in vitro assessment of the response of THPâ€1 macrophages to varying stiffness of a glycolâ€chitosan hydrogel for vocal fold tissue engineering applications. Journal of Biomedical Materials Research - Part A, 2021, 109, 1337-1352.	4.0	13
4	Characterizing Vocal Fold Injury Recovery in a Rabbit Model With Threeâ€Dimensional Virtual Histology. Laryngoscope, 2021, 131, 1578-1587.	2.0	6
5	Functional Analysis of Injectable Substance Treatment on Surgically Injured Rabbit Vocal Folds. Journal of Voice, 2021, , .	1.5	1
6	Pediatric Vocal Fold Paresis and Paralysis. JAMA Otolaryngology - Head and Neck Surgery, 2021, 147, 745.	2.2	3
7	Investigation of Vocal Fatigue Using a Dose-Based Vocal Loading Task. Applied Sciences (Switzerland), 2020, 10, 1192.	2.5	14
8	Neuroanatomy of Voice and Swallowing. , 2020, , 21-40.		2
9	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
10	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
11	Discrimination between Modal, Breathy and Pressed Voice for Single Vowels Using Neck-Surface Vibration Signals. Applied Sciences (Switzerland), 2019, 9, 1505.	2.5	12
12	Multimodal virtual histology of rabbit vocal folds by nonlinear microscopy and nano computed tomography. Biomedical Optics Express, 2019, 10, 1151.	2.9	10
13	High-Performance Agent-Based Modeling Applied to Vocal Fold Inflammation and Repair. Frontiers in Physiology, 2018, 9, 304.	2.8	7
14	Multimodal imaging of vocal fold scarring in a rabbit model by multiphoton microscopy. , 2017, , .		1
15	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
16	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
17	In-Situ Visualization for 3D Agent-Based Vocal Fold Inflammation and Repair Simulation. Supercomputing Frontiers and Innovations, 2017, 4, 68-79.	0.4	5
18	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

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19	A Flow Perfusion Bioreactor System for Vocal Fold Tissue Engineering Applications. Tissue Engineering - Part C: Methods, 2016, 22, 823-838.	2.1	20
20	Woundâ€healing effect of acupuncture for treating phonotraumatic vocal pathologies: A cytokine study. Laryngoscope, 2016, 126, E18-22.	2.0	9
21	Is Acupuncture Efficacious for Treating Phonotraumatic Vocal Pathologies? A Randomized Control Trial. Journal of Voice, 2016, 30, 611-620.	1.5	7
22	Microstructural and mechanical characterization of scarred vocal folds. Journal of Biomechanics, 2015, 48, 708-711.	2.1	17
23	Investigation of Chitosan-glycol/glyoxal as an Injectable Biomaterial for Vocal Fold Tissue Engineering. Procedia Engineering, 2015, 110, 143-150.	1.2	9
24	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
25	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
26	Doseâ€dependent effect of mitomycin C on human vocal fold fibroblasts. Head and Neck, 2014, 36, 401-410.	2.0	17
27	Role of steroids in acute phonotrauma: A basic science investigation. Laryngoscope, 2014, 124, 921-927.	2.0	25
28	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
29	Vocal Exercise May Attenuate Acute Vocal Fold Inflammation. Journal of Voice, 2012, 26, 814.e1-814.e13.	1.5	81
30	Preliminary Data on Prevention and Treatment of Voice Problems in Student Teachers. Journal of Voice, 2012, 26, 816.e1-816.e12.	1.5	50
31	Temporal and spatial expression of highâ€mobility group box 1 in surgically injured rat vocal folds. Laryngoscope, 2012, 122, 364-369.	2.0	8
32	Possible Cross-Cultural Differences in the Perception of Impact of Voice Disorders. Journal of Voice, 2011, 25, 348-353.	1.5	36
33	Biosimulation of acute phonotrauma: An extended model. Laryngoscope, 2011, 121, 2418-2428.	2.0	23
34	Biosimulation of Inflammation and Healing in Surgically Injured Vocal Folds. Annals of Otology, Rhinology and Laryngology, 2010, 119, 412-423.	1.1	27
35	Translational systems biology and voice pathophysiology. Laryngoscope, 2010, 120, 511-515.	2.0	18
36	Translational systems biology of inflammation: potential applications to personalized medicine. Personalized Medicine, 2010, 7, 549-559.	1.5	61

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37	A Patient-Specific in silico Model of Inflammation and Healing Tested in Acute Vocal Fold Injury. PLoS ONE, 2008, 3, e2789.	2.5	102
38	Acoustic and perceptual analysis of modal and falsetto registers in females with dysphonia. Clinical Linguistics and Phonetics, 2006, 20, 463-481.	0.9	4
39	Editorial: Integration of Machine Learning and Computer Simulation in Solving Complex Physiological and Medical Questions. Frontiers in Physiology, 0, 13, .	2.8	1