

# Nathan V Welham

## List of Publications by Citations

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**Version:** 2024-04-29

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29  
papers

564  
citations

14  
h-index

23  
g-index

31  
ext. papers

700  
ext. citations

7  
avg, IF

3.49  
L-index

#	Paper	IF	Citations
29	Proteomic analysis of naturally-sourced biological scaffolds. <i>Biomaterials</i> , <b>2016</b> , 75, 37-46	15.6	85
28	A rat excised larynx model of vocal fold scar. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2009</b> , 52, 1008-20	2.8	50
27	Bioengineered vocal fold mucosa for voice restoration. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 314ra18717.5	17.5	46
26	Prospective multi-arm evaluation of surgical treatments for vocal fold scar and pathologic sulcus vocalis. <i>Laryngoscope</i> , <b>2011</b> , 121, 1252-60	3.6	44
25	Inflammatory factor profiles one hour following vocal fold injury. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , <b>2008</b> , 117, 145-52	2.1	42
24	Proteomic analysis of a decellularized human vocal fold mucosa scaffold using 2D electrophoresis and high-resolution mass spectrometry. <i>Biomaterials</i> , <b>2013</b> , 34, 669-76	15.6	37
23	Alteration in cellular morphology, density and distribution in rat vocal fold mucosa following injury. <i>Wound Repair and Regeneration</i> , <b>2010</b> , 18, 89-97	3.6	37
22	Voice handicap evaluation of patients with pathologic sulcus vocalis. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , <b>2007</b> , 116, 411-7	2.1	22
21	Protein turnover during in vitro tissue engineering. <i>Biomaterials</i> , <b>2016</b> , 81, 104-113	15.6	20
20	On-Tissue Derivatization with Girard's Reagent P Enhances N-Glycan Signals for Formalin-Fixed Paraffin-Embedded Tissue Sections in MALDI Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 13361-13368	7.8	18
19	Clinical features and surgical outcomes following closed reduction of arytenoid dislocation. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2014</b> , 140, 1045-50	3.9	17
18	Serum retinyl esters are positively correlated with analyzed total liver vitamin A reserves collected from US adults at time of death. <i>American Journal of Clinical Nutrition</i> , <b>2018</b> , 108, 997-1005	7	15
17	Reversal of Vocal Fold Mucosal Fibrosis Using siRNA against the Collagen-Specific Chaperone Serpinh1. <i>Molecular Therapy - Nucleic Acids</i> , <b>2019</b> , 16, 616-625	10.7	14
16	Reactive response of fibrocytes to vocal fold mucosal injury in rat. <i>Wound Repair and Regeneration</i> , <b>2010</b> , 18, 514-23	3.6	14
15	Proteomic changes in rat thyroarytenoid muscle induced by botulinum neurotoxin injection. <i>Proteomics</i> , <b>2008</b> , 8, 1933-44	4.8	14
14	Differentiated fibrocytes assume a functional mesenchymal phenotype with regenerative potential. <i>Science Advances</i> , <b>2019</b> , 5, eaav7384	14.3	13
13	Modeling fibrosis using fibroblasts isolated from scarred rat vocal folds. <i>Laboratory Investigation</i> , <b>2016</b> , 96, 807-16	5.9	13

12	Microarray-based characterization of differential gene expression during vocal fold wound healing in rats. <i>DMM Disease Models and Mechanisms</i> , <b>2015</b> , 8, 311-21	4.1	12
11	Tracking outcomes after phonosurgery for sulcus vocalis: a case report. <i>Journal of Voice</i> , <b>2003</b> , 17, 571-81.9	1.9	10
10	Cross-sample validation provides enhanced proteome coverage in rat vocal fold mucosa. <i>PLoS ONE</i> , <b>2011</b> , 6, e17754	3.7	9
9	High- and ultrahigh-field magnetic resonance imaging of naïve, injured and scarred vocal fold mucosae in rats. <i>DMM Disease Models and Mechanisms</i> , <b>2016</b> , 9, 1397-1403	4.1	9
8	Quantification and molecular imaging of fatty acid isomers from complex biological samples by mass spectrometry. <i>Chemical Science</i> , <b>2021</b> , 12, 8115-8122	9.4	7
7	Interspecies comparison of stellate cell-containing macula flavae and vitamin A storage in vocal fold mucosa. <i>Journal of Anatomy</i> , <b>2014</b> , 225, 298-305	2.9	6
6	An atlas of protein turnover rates in mouse tissues. <i>Nature Communications</i> , <b>2021</b> , 12, 6778	17.4	3
5	High-resolution magnetic resonance and mass spectrometry imaging of the human larynx. <i>Journal of Anatomy</i> , <b>2021</b> , 239, 545-556	2.9	2
4	Practice variations in voice treatment selection following vocal fold mucosal resection. <i>Laryngoscope</i> , <b>2016</b> , 126, 2505-2512	3.6	2
3	Proteomic and Genomic Methylation Signatures of Idiopathic Subglottic Stenosis. <i>Laryngoscope</i> , <b>2021</b> , 131, E540-E546	3.6	2
2	On-tissue amidation of sialic acid with aniline for sensitive imaging of sialylated N-glycans from FFPE tissue sections via MALDI mass spectrometry.. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	1
1	Dynamics of vitamin A uptake, storage, and utilization in vocal fold mucosa. <i>Molecular Metabolism</i> , <b>2020</b> , 40, 101025	8.8	0