

# Timothy M Mcculloch

## List of Publications by Year in descending order

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87  
papers

2,836  
citations

172457

29  
h-index

197818

49  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1798  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Manometry of Pharyngeal Swallow Pressure Events Associated with Head Turn and Chin Tuck. <i>Annals of Otology, Rhinology and Laryngology</i> , 2010, 119, 369-376.	1.1	148
2	Medialization Laryngoplasty with Expanded Polytetrafluoroethylene. <i>Annals of Otology, Rhinology and Laryngology</i> , 1998, 107, 427-432.	1.1	139
3	Electromyographic activity from human laryngeal, pharyngeal, and submental muscles during swallowing. <i>Journal of Applied Physiology</i> , 1999, 86, 1663-1669.	2.5	136
4	Arytenoid Adduction Combined With Gore-Tex Medialization Thyroplasty. <i>Laryngoscope</i> , 2000, 110, 1306-1311.	2.0	125
5	Long-term Follow-up of Fat Injection Laryngoplasty for Unilateral Vocal Cord Paralysis. <i>Laryngoscope</i> , 2002, 112, 1235-1238.	2.0	123
6	High-Resolution Manometry of Pharyngeal Swallow Pressure Events Associated with Effortful Swallow and the Mendelsohn Maneuver. <i>Dysphagia</i> , 2012, 27, 418-426.	1.8	117
7	Pharyngeal swallow adaptations to bolus volume measured with high-resolution manometry. <i>Laryngoscope</i> , 2010, 120, 2367-2373.	2.0	109
8	Efficacy of electrical stimulation and exercise for dysphagia in patients with head and neck cancer: A randomized clinical trial. <i>Head and Neck</i> , 2016, 38, E1221-31.	2.0	81
9	Predictors of carcinomatous invasion of the mandible. <i>Head and Neck</i> , 1994, 16, 116-126.	2.0	80
10	Implementation of High-resolution Manometry in the Clinical Practice of Speech Language Pathology. <i>Dysphagia</i> , 2014, 29, 2-16.	1.8	80
11	Pectoralis major myofascial flap: A valuable tool in contemporary head and neck reconstruction. , 1997, 19, 412-418.		73
12	Patterns of metastases to the upper jugular lymph nodes (the "submuscular recess"). <i>Head and Neck</i> , 1998, 20, 682-686.	2.0	69
13	Automated Analysis of Pharyngeal Pressure Data Obtained with High-Resolution Manometry. <i>Dysphagia</i> , 2011, 26, 3-12.	1.8	69
14	Risk factors for malignancy in adult tonsils. , 1998, 20, 399-403.		63
15	Anatomic considerations in the surgical treatment of unilateral laryngeal paralysis. , 1996, 18, 174-187.		62
16	Timing of Glottic Closure during Swallowing: A Combined Electromyographic and Endoscopic Analysis. <i>Annals of Otology, Rhinology and Laryngology</i> , 2005, 114, 478-487.	1.1	57
17	Dysphagia Care Across the Continuum: A Multidisciplinary Dysphagia Research Society Taskforce Report of Service-Delivery During the COVID-19 Global Pandemic. <i>Dysphagia</i> , 2021, 36, 170-182.	1.8	56
18	Clinical Outcomes and Prognostic Factors of Adenoid Cystic Carcinoma of the Head and Neck. <i>Anticancer Research</i> , 2017, 37, 3045-3052.	1.1	50

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19	Modulation of Upper Esophageal Sphincter (UES) Relaxation and Opening During Volume Swallowing. <i>Dysphagia</i> , 2017, 32, 216-224.	1.8	47
20	Botulinum neurotoxin injection after total laryngectomy. <i>Head and Neck</i> , 1997, 19, 92-97.	2.0	46
21	Evaluating the Tongue-Hold Maneuver Using High-Resolution Manometry and Electromyography. <i>Dysphagia</i> , 2014, 29, 564-570.	1.8	45
22	Functional Magnetic Resonance Imaging Using Iron Oxide Particles in Characterizing Head and Neck Adenopathy. <i>Laryngoscope</i> , 2000, 110, 1425-1430.	2.0	40
23	Application of Classification Models to Pharyngeal High-Resolution Manometry. <i>Journal of Speech, Language, and Hearing Research</i> , 2012, 55, 892-902.	1.6	40
24	Multiparameter comparison of injection laryngoplasty, medialization laryngoplasty, and arytenoid adduction in an excised larynx model. <i>Laryngoscope</i> , 2010, 120, 769-776.	2.0	39
25	Laryngeal Activity During Swallow, Phonation, and the Valsalva Maneuver: An Electromyographic Analysis. <i>Laryngoscope</i> , 1996, 106, 1351-1358.	2.0	38
26	The nasogastric tube syndrome: Two case reports and review of the literature. <i>Head and Neck</i> , 2001, 23, 59-63.	2.0	38
27	Classification of High-Resolution Manometry Data According to Videofluoroscopic Parameters Using Pattern Recognition. <i>Otolaryngology - Head and Neck Surgery</i> , 2013, 149, 126-133.	1.9	36
28	Pharyngeal swallowing pressures in the base-of-tongue and hypopharynx regions identified with three-dimensional manometry. <i>Laryngoscope</i> , 2017, 127, 1989-1995.	2.0	36
29	Three-Dimensional Analysis of Pharyngeal High-Resolution Manometry Data. <i>Laryngoscope</i> , 2013, 123, 1746-1753.	2.0	35
30	Three-dimensional manometry of the upper esophageal sphincter in swallowing and nonswallowing tasks. <i>Laryngoscope</i> , 2016, 126, 2539-2545.	2.0	34
31	A multisensor approach to improve manometric analysis of the upper esophageal sphincter. <i>Laryngoscope</i> , 2016, 126, 657-664.	2.0	32
32	Identification of swallowing disorders in early and mid-stage Parkinson's disease using pattern recognition of pharyngeal high-resolution manometry data. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13236.	3.0	32
33	Resource Utilization and Patient Morbidity in Head and Neck Reconstruction. <i>Laryngoscope</i> , 1997, 107, 1028-1031.	2.0	31
34	Mortality in the pediatric patient with tracheotomy. <i>Head and Neck</i> , 1995, 17, 403-408.	2.0	30
35	Quantifying Contributions of the Cricopharyngeus to Upper Esophageal Sphincter Pressure Changes by Means of Intramuscular Electromyography and High-Resolution Manometry. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2014, 123, 174-182.	1.1	29
36	Pharyngeal Pressure and Timing During Bolus Transit. <i>Dysphagia</i> , 2017, 32, 104-114.	1.8	29

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37	Effect of Body Position on Pharyngeal Swallowing Pressures Using High-Resolution Manometry. <i>Dysphagia</i> , 2018, 33, 389-398.	1.8	29
38	Preliminary Evaluation of Functional Swallow After Total Laryngectomy Using High-Resolution Manometry. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2016, 125, 541-549.	1.1	28
39	Therapeutic intervention in oropharyngeal dysphagia. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016, 13, 665-679.	17.8	28
40	Reliability of an Automated High-Resolution Manometry Analysis Program Across Expert Users, Novice Users, and Speech-Language Pathologists. <i>Journal of Speech, Language, and Hearing Research</i> , 2014, 57, 831-836.	1.6	27
41	Artificial neural network classification of pharyngeal high-resolution manometry with impedance data. <i>Laryngoscope</i> , 2013, 123, 713-720.	2.0	26
42	Trends in the use of tracheotomy in the pediatric patient: The Iowa experience. <i>Head and Neck</i> , 1995, 17, 328-333.	2.0	25
43	Surgical Treatment of Dysphagia. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2008, 19, 817-835.	1.3	25
44	Defining the boundaries and expanding the utility of head and neck cancer patient derived xenografts. <i>Oral Oncology</i> , 2017, 64, 65-72.	1.5	24
45	Case Study: Application of Isometric Progressive Resistance Oropharyngeal Therapy Using the Madison Oral Strengthening Therapeutic Device. <i>Topics in Stroke Rehabilitation</i> , 2013, 20, 450-470.	1.9	23
46	Expiratory muscle strength training evaluated with simultaneous high-resolution manometry and electromyography. <i>Laryngoscope</i> , 2017, 127, 797-804.	2.0	23
47	Predicting the activation states of the muscles governing upper esophageal sphincter relaxation and opening. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 310, G359-G366.	3.4	21
48	Spindle Cell Lipoma of the Parotid. <i>Archives of Pathology and Laboratory Medicine</i> , 2001, 125, 820-821.	2.5	21
49	Methods for Measuring Swallowing Pressure Variability Using High-Resolution Manometry. <i>Frontiers in Applied Mathematics and Statistics</i> , 2018, 4, .	1.3	17
50	The impact of time after radiation treatment on dysphagia in patients with head and neck cancer enrolled in a swallowing therapy program. <i>Head and Neck</i> , 2019, 41, 606-614.	2.0	17
51	Pharyngeal Pressure Analysis by the Finite Element Method during Liquid Bolus Swallow. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2000, 109, 585-589.	1.1	16
52	Transillumination for needle localization in the larynx. <i>Laryngoscope</i> , 2015, 125, 2341-2348.	2.0	16
53	Otolaryngology head and neck surgery: An integrative view of the larynx. <i>Head and Neck</i> , 2011, 33, S46-53.	2.0	14
54	High-resolution manometry and swallow outcomes after vocal fold injection medialization for unilateral vocal fold paralysis/paresis. <i>Head and Neck</i> , 2019, 41, 2389-2397.	2.0	14

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55	Speech Pathologist Practice Patterns for Evaluation and Management of Suspected Cricopharyngeal Dysfunction. <i>Dysphagia</i> , 2014, 29, 332-339.	1.8	12
56	Pressure abnormalities in patients with Zenker's diverticulum using pharyngeal high-resolution manometry. <i>Laryngoscope Investigative Otolaryngology</i> , 2020, 5, 708-717.	1.5	11
57	Application of Manual Therapy for Dysphagia in Head and Neck Cancer Patients: A Preliminary National Survey of Treatment Trends and Adverse Events. <i>Global Advances in Health and Medicine</i> , 2019, 8, 216495611984415.	1.6	10
58	Swallowing Pressure Variability as a Function of Pharyngeal Region, Bolus Volume, Age, and Sex. <i>Laryngoscope</i> , 2021, 131, E52-E58.	2.0	10
59	Pharyngeal Swallowing Pressures in Patients with Radiation-Associated Dysphagia. <i>Dysphagia</i> , 2021, 36, 242-249.	1.8	10
60	Elective free flap revision in the head and neck cancer patient: Indications and outcomes. <i>Microsurgery</i> , 2015, 35, 591-595.	1.3	9
61	Bolus volume and viscosity effects on pharyngeal swallowing power—How physiological bolus accommodation affects bolus dynamics. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13481.	3.0	9
62	The Natural Swallow: Factors Affecting Subject Choice of Bolus Volume and Pharyngeal Swallow Parameters in a Self-selected Swallow. <i>Dysphagia</i> , 2022, 37, 1172-1182.	1.8	9
63	Optimal arytenoid adduction based on quantitative real-time voice analysis. <i>Laryngoscope</i> , 2011, 121, 339-345.	2.0	8
64	Excised larynx evaluation of wedge-shaped adjustable balloon implant for minimally invasive type I thyroplasty. <i>Laryngoscope</i> , 2014, 124, 942-949.	2.0	6
65	Lymph Node Yield in Therapeutic Neck Dissection: Impact of Dissection Levels and Prior Radiotherapy. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2017, 126, 762-767.	1.1	6
66	Measurement of Pharyngeal Air Pressure During Phonation Using High-Resolution Manometry. <i>Journal of Speech, Language, and Hearing Research</i> , 2021, 64, 3456-3464.	1.6	6
67	Patient and tumor characteristics predictive of primary parotid gland malignancy: A 20-year experience at the University of Wisconsin. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2015, 36, 429-434.	1.3	5
68	Initial investigation of anterior approach to arytenoid adduction in excised larynges. <i>Laryngoscope</i> , 2013, 123, 942-947.	2.0	4
69	Auriculotemporal Nerve Involvement in Parotid Bed Malignancy. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2019, 128, 647-653.	1.1	4
70	SLP-Perceived Technical and Patient-Centered Factors Associated with Pharyngeal High-Resolution Manometry. <i>Dysphagia</i> , 2019, 34, 170-178.	1.8	4
71	Clinical outcomes for larynx patients with cancer treated with refinement of high-dose radiation treatment volumes. <i>Head and Neck</i> , 2020, 42, 1874-1881.	2.0	4
72	Perceived Professional and Institutional Factors Influencing Clinical Adoption of Pharyngeal High-Resolution Manometry. <i>American Journal of Speech-Language Pathology</i> , 2020, 29, 1550-1562.	1.8	4

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73	Relief from Cluster Headaches following Extraction of an Ipsilateral Infected Tooth. Ear, Nose and Throat Journal, 2013, 92, 264-268.	0.8	2
74	Tracheal exposure: Anticipatory management of the difficult airway. Head and Neck, 2016, 38, E2446-E2448.	2.0	2
75	Evaluation of type II thyroplasty on phonatory physiology in an excised canine larynx model. Laryngoscope, 2017, 127, 396-404.	2.0	2
76	A Preliminary Case Report of a High-Quality Cost-effective Rigid Laryngoscopy Setup. Annals of Otolaryngology, Rhinology and Laryngology, 2017, 126, 411-414.	1.1	2
77	Excised larynx evaluation of subthyroid cartilage approach to medialization thyroplasty. Laryngoscope, 2018, 128, 675-681.	2.0	2
78	Correlates of Early Pharyngeal High-Resolution Manometry Adoption in Expert Speech-Language Pathologists. Dysphagia, 2019, 34, 325-332.	1.8	2
79	Spectral arc length as a method to quantify pharyngeal high-resolution manometric curve smoothness. Neurogastroenterology and Motility, 2021, 33, e14122.	3.0	2
80	Pre-tracheotomy for Potentially Emergent Airway Scenarios: Indications and Outcomes. Laryngoscope, 2021, 131, E2802-E2809.	2.0	1
81	High-Resolution Manometry. , 2020, , 97-106.		1
82	The radial forearm snake flap: An underutilized technique for fasciocutaneous and osteocutaneous forearm flaps with primary closure. Head and Neck, 2022, 44, 1106-1113.	2.0	1
83	Simulation study of high-dose-rate brachytherapy for early glottic cancer. Brachytherapy, 2016, 15, 94-101.	0.5	0
84	Results From 10 Years of a Free Oral Cancer Screening Clinic at a Major Academic Health Center. International Journal of Radiation Oncology Biology Physics, 2018, 102, 146-148.	0.8	0
85	Derivation and measurement consistency of a novel biofluid dynamics measure of deglutitive bolus-driving function"pharyngeal swallowing power. Neurogastroenterology and Motility, 2019, 31, e13465.	3.0	0
86	Discordant Radiographic and Endoscopic Findings Regarding Orbital Invasion in Esthesioneuroblastoma: Case Report and Review of the Literature. , 2020, 81, .		0
87	A Rare Complication of Fine-Needle Aspiration of Neck Structures. Case Reports in Otolaryngology, 2021, 2021, 1-5.	0.2	0