

# Douglas J Mathisen

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73 papers	1,376 citations	20 h-index	35 g-index
83 ext. papers	1,672 ext. citations	4 avg, IF	4.8 L-index

#	Paper	IF	Citations
73	Perfusion decellularization of human and porcine lungs: bringing the matrix to clinical scale. <i>Journal of Heart and Lung Transplantation</i> , <b>2014</b> , 33, 298-308	5.8	189
72	Transthoracic esophagectomy: a safe approach to carcinoma of the esophagus. <i>Annals of Thoracic Surgery</i> , <b>1988</b> , 45, 137-43	2.7	168
71	Enhanced lung epithelial specification of human induced pluripotent stem cells on decellularized lung matrix. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 98, 1721-9; discussion 1729	2.7	100
70	Bioengineering of functional human induced pluripotent stem cell-derived intestinal grafts. <i>Nature Communications</i> , <b>2017</b> , 8, 765	17.4	63
69	Regenerative potential of human airway stem cells in lung epithelial engineering. <i>Biomaterials</i> , <b>2016</b> , 108, 111-9	15.6	52
68	Outcomes With Open and Minimally Invasive Ivor Lewis Esophagectomy After Neoadjuvant Therapy. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 1097-103	2.7	51
67	ExVivo non-invasive assessment of cell viability and proliferation in bio-engineered whole organ constructs. <i>Biomaterials</i> , <b>2015</b> , 52, 103-12	15.6	43
66	Idiopathic Subglottic Stenosis: Factors Affecting Outcome After Single-Stage Repair. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 1804-11	2.7	40
65	Management of delayed gastric emptying after esophagectomy with endoscopic balloon dilatation of the pylorus. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 91, 1019-24	2.7	39
64	Surgical therapy of pulmonary aspergillomas: a 30-year North American experience. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 97, 432-8	2.7	38
63	Validation of a scoring system to predict recurrence of resected solitary fibrous tumors of the pleura. <i>Chest</i> , <b>2015</b> , 147, 216-223	5.3	36
62	Surgical anatomy of the trachea. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 255-260	4.7	36
61	The Importance of a Diverse Specialty: Introducing the STS Workforce on Diversity and Inclusion. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 1000-1005	2.7	33
60	Design and validation of a clinical-scale bioreactor for long-term isolated lung culture. <i>Biomaterials</i> , <b>2015</b> , 52, 79-87	15.6	33
59	Preoperative Localization of Lung Nodules With Fiducial Markers: Feasibility and Technical Considerations. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 103, 1114-1120	2.7	31
58	Lymph Node Assessment and Impact on Survival in Video-Assisted Thoracoscopic Lobectomy or Segmentectomy. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 910-6	2.7	28
57	A pilot study of neoadjuvant chemotherapy with 5-fluorouracil and cisplatin with surgical resection and postoperative radiation therapy and/or chemotherapy in adenocarcinoma of the esophagus. <i>Cancer</i> , <b>1991</b> , 68, 489-92	6.4	28

56	A reassessment of tracheal substitutes-a systematic review. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 175-182	4.7	26
55	Hyperbaric oxygen therapy for the treatment of anastomotic complications after tracheal resection and reconstruction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 1030-5	1.5	25
54	Complications Following Carinal Resections and Sleeve Resections. <i>Thoracic Surgery Clinics</i> , <b>2015</b> , 25, 435-47	3.1	20
53	Idiopathic subglottic stenosis: techniques and results. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 299-305	4.7	19
52	Surgical Management of Esophageal Epiphrenic Diverticula: A Transthoracic Approach Over Four Decades. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 1123-1130	2.7	19
51	Repair of large airway defects with bioprosthetic materials. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 152, 1388-1397	1.5	18
50	Postintubation Tracheal Stenosis: Management and Results 1993 to 2017. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 1471-1477	2.7	18
49	Surgical Management of Post-Esophagectomy Tracheo-Bronchial-Esophageal Fistula. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 106, 1640-1646	2.7	15
48	Carinal surgery: A single-institution experience spanning 2 decades. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 157, 2073-2083.e1	1.5	14
47	Multidisciplinary selection of pulmonary nodules for surgical resection: Diagnostic results and long-term outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 159, 1558-1566.e3	1.5	14
46	Immunoglobulin g4-related disease presenting as an obstructing tracheal mass: consideration of surgical indications. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, e91-e93	2.7	13
45	Metabolic glycan labeling and chemoselective functionalization of native biomaterials. <i>Biomaterials</i> , <b>2018</b> , 182, 127-134	15.6	12
44	Relative incremental costs of complications of lobectomy for stage I non-small cell lung cancer. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 1804-1811	1.5	9
43	Anesthesia for Airway Surgery. <i>Thoracic Surgery Clinics</i> , <b>2018</b> , 28, 249-255	3.1	9
42	Tracheobronchoplasty for tracheomalacia. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 261-265	4.7	9
41	Superior sulcus tumors. <i>Current Treatment Options in Oncology</i> , <b>2001</b> , 2, 43-9	5.4	9
40	Programmed death ligand 1 and CD8+ immune cell infiltrates in resected primary tracheal malignant neoplasms. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 55, 691-698	3	9
39	Prevention and management of complications following tracheal resections-lessons learned at the Massachusetts General Hospital. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 237-243	4.7	9

38	Distal Tracheal Resection and Reconstruction: State of the Art and Lessons Learned. <i>Thoracic Surgery Clinics</i> , <b>2018</b> , 28, 199-210	3.1	8
37	Tracheal release maneuvers. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 293-298	4.7	7
36	Idiopathic laryngotracheal stenosis. <i>Journal of Thoracic Disease</i> , <b>2016</b> , 8, S204-9	2.6	7
35	Re: Video-assisted thoracoscopic surgery versus open lobectomy for primary non-small-cell lung cancer: a propensity-matched analysis of outcome from the European Society of Thoracic Surgeon database. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 609-10	3	6
34	Bioartificial tissues and organs: are we ready to translate?. <i>Lancet, The</i> , <b>2011</b> , 378, 1977-1978	4.0	6
33	Relative Incremental Cost of Postoperative Complications of Esophagectomy. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 31, 290-299	1.7	6
32	Subglottic Stenosis in Granulomatosis With Polyangiitis: The Role of Laryngotracheal Resection. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 249-253	2.7	6
31	It is the journey, not the destination. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 93, 1404-15	2.7	5
30	Successful Treatment of an Aggressive Tracheal Malignancy With Immunotherapy. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 103, e123-e125	2.7	4
29	Educational Challenges of the Operating Room. <i>Thoracic Surgery Clinics</i> , <b>2019</b> , 29, 269-277	3.1	4
28	Advancing the Legislative Priorities of Cardiothoracic Surgeons: The Society of Thoracic Surgeons Political Action Committee. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 691-695	2.7	3
27	Pulmonary Artery Resection During Lung Resection for Malignancy. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 1692-1700	2.7	3
26	Tracheal Resection for Symptomatic Tracheal Stenosis During Pregnancy. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 1589-91	2.7	3
25	Impact of Radial Margin Status After Esophagectomy for Adenocarcinoma. <i>Journal of Gastrointestinal Surgery</i> , <b>2020</b> , 24, 983-990	3.3	3
24	Hyperbaric oxygen therapy in the prevention and management of tracheal and oesophageal anastomotic complications. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2020</b> , 57, 1203-1209	3	2
23	Bioprosthetics and repair of complex aerodigestive defects. <i>Annals of Cardiothoracic Surgery</i> , <b>2018</b> , 7, 284-292	4.7	2
22	Outcome of the Joint Council of Thoracic Surgery Education's Early Review Course Project. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 1564-8	2.7	2
21	Repair of tracheo-oesophageal fistula. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , <b>2016</b> , 2016,	0.2	1

20	2008 Midwest Surgical Association Harridge Lecture. <i>American Journal of Surgery</i> , <b>2009</b> , 197, 275-8	2.7	1
19	Induction chemoradiotherapy for esophageal cancer: Comparing CROSS regimen with cisplatin/5-FU.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, 4070-4070	2.2	1
18	Management and outcomes of esophageal perforation. <i>Ecological Management and Restoration</i> , <b>2021</b> ,	3	1
17	Pregnancy-associated idiopathic laryngotracheal stenosis: presentation, management and results of surgical treatment. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2021</b> , 59, 122-129	3	1
16	Programmed Death Ligand 1 and Immune Cell Infiltrates in Solitary Fibrous Tumors of the Pleura. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, 1862-1869	2.7	0
15	Surgical Treatment of Squamous Carcinoma in an Antethoracic Skin Tube Used for Esophageal Replacement. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 103, e361-e363	2.7	
14	Reply. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 311-312	2.7	
13	Reply to the editor. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 149, 647	1.5	
12	The STS Annual Meeting. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 97, S9-15	2.7	
11	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 97, 1733	2.7	
10	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 93, 1800-1	2.7	
9	50th Anniversary Landmark Commentary on Grillo HC. Tracheal Tumors: Surgical Management. <i>Ann Thorac Surg</i> 1978;26:112-25. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 6-7	2.7	
8	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 91, 842-3	2.7	
7	Angiotensin system inhibitors during induction chemotherapy for esophageal adenocarcinoma: Analysis of survival.. <i>Journal of Clinical Oncology</i> , <b>2018</b> , 36, e16066-e16066	2.2	
6	The Times Change, But the Challenges Remain. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 1753	2.7	
5	Surgical intervention for late gastric conduit obstruction. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2021</b> , 60, 1268-1276	3	
4	Tracheal stenosis, masses and tracheoesophageal fistula48-56		
3	Hassan Najafi, May 22, 1930-May 20, 2017. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 339-342	2.7	

- 2 Management of Air Leaks and Residual Spaces Following Lung Resection. *Thoracic Surgery Clinics*, **2021**, 31, 265-271 3.1

- 1 Complications of Tracheobronchial Resection 182-201