

# Douglas J Mathisen

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

1,959  
citations

257450

24  
h-index

265206

42  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfusion decellularization of human and porcine lungs: Bringing the matrix to clinical scale. Journal of Heart and Lung Transplantation, 2014, 33, 298-308.	0.6	229
2	Transthoracic Esophagectomy: A Safe Approach to Carcinoma of the Esophagus. Annals of Thoracic Surgery, 1988, 45, 137-143.	1.3	190
3	Enhanced Lung Epithelial Specification of Human Induced Pluripotent Stem Cells on Decellularized Lung Matrix. Annals of Thoracic Surgery, 2014, 98, 1721-1729.	1.3	117
4	Bioengineering of functional human induced pluripotent stem cell-derived intestinal grafts. Nature Communications, 2017, 8, 765.	12.8	91
5	Outcomes With Open and Minimally Invasive Ivor Lewis Esophagectomy After Neoadjuvant Therapy. Annals of Thoracic Surgery, 2016, 101, 1097-1103.	1.3	76
6	Surgical anatomy of the trachea. Annals of Cardiothoracic Surgery, 2018, 7, 255-260.	1.7	74
7	Regenerative potential of human airway stem cells in lung epithelial engineering. Biomaterials, 2016, 108, 111-119.	11.4	66
8	Management of Delayed Gastric Emptying After Esophagectomy With Endoscopic Balloon Dilatation of the Pylorus. Annals of Thoracic Surgery, 2011, 91, 1019-1024.	1.3	56
9	The Importance of a Diverse Specialty: Introducing the STS Workforce on Diversity and Inclusion. Annals of Thoracic Surgery, 2019, 108, 1000-1005.	1.3	56
10	Surgical Therapy of Pulmonary Aspergillomas: A 30-Year North American Experience. Annals of Thoracic Surgery, 2014, 97, 432-438.	1.3	53
11	Idiopathic Subglottic Stenosis: Factors Affecting Outcome After Single-Stage Repair. Annals of Thoracic Surgery, 2015, 100, 1804-1811.	1.3	51
12	A reassessment of tracheal substitutes—a systematic review. Annals of Cardiothoracic Surgery, 2018, 7, 175-182.	1.7	50
13	Validation of a Scoring System to Predict Recurrence of Resected Solitary Fibrous Tumors of the Pleura. Chest, 2015, 147, 216-223.	0.8	47
14	Preoperative Localization of Lung Nodules With Fiducial Markers: Feasibility and Technical Considerations. Annals of Thoracic Surgery, 2017, 103, 1114-1120.	1.3	47
15	Ex Vivo non-invasive assessment of cell viability and proliferation in bio-engineered whole organ constructs. Biomaterials, 2015, 52, 103-112.	11.4	46
16	Lymph Node Assessment and Impact on Survival in Video-Assisted Thoracoscopic Lobectomy or Segmentectomy. Annals of Thoracic Surgery, 2015, 100, 910-916.	1.3	44
17	Postintubation Tracheal Stenosis: Management and Results 1993 to 2017. Annals of Thoracic Surgery, 2019, 108, 1471-1477.	1.3	41
18	Design and validation of a clinical-scale bioreactor for long-term isolated lung culture. Biomaterials, 2015, 52, 79-87.	11.4	38

#	ARTICLE	IF	CITATIONS
19	Idiopathic subglottic stenosis: techniques and results. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 299-305.	1.7	32
20	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> , 1991, 68, 489-492.	4.1	31
21	Complications Following Carinal Resections and Sleeve Resections. <i>Thoracic Surgery Clinics</i> , 2015, 25, 435-447.	1.0	31
22	Repair of large airway defects with bioprosthetic materials. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1388-1397.	0.8	29
23	Carinal surgery: A single-institution experience spanning 2Âdecades. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 2073-2083.e1.	0.8	29
24	Hyperbaric oxygen therapy for the treatment of anastomotic complications after tracheal resection and reconstruction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 1030-1035.	0.8	27
25	Multidisciplinary selection of pulmonary nodules for surgical resection: Diagnostic results and long-term outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1558-1566.e3.	0.8	26
26	Surgical Management of Post-Esophagectomy Tracheo-Bronchial-Esophageal Fistula. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1640-1646.	1.3	25
27	Surgical Management of Esophageal Epiphrenic Diverticula: A Transthoracic Approach Over Four Decades. <i>Annals of Thoracic Surgery</i> , 2017, 104, 1123-1130.	1.3	24
28	Tracheal release maneuvers. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 293-298.	1.7	22
29	Prevention and management of complications following tracheal resectionsâ€”lessons learned at the Massachusetts General Hospital. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 237-243.	1.7	21
30	Relative incremental costs of complications of lobectomy for stage I nonâ€”small cell lung cancer. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1804-1811.	0.8	20
31	Tracheal Resection and Reconstruction: How I Teach It. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1043-1048.	1.3	19
32	Metabolic glycan labeling and chemoselective functionalization of native biomaterials. <i>Biomaterials</i> , 2018, 182, 127-134.	11.4	19
33	Management and outcomes of esophageal perforation. <i>Ecological Management and Restoration</i> , 2022, 35, .	0.4	19
34	Immunoglobulin G4-Related Disease Presenting as an Obstructing Tracheal Mass: Consideration of Surgical Indications. <i>Annals of Thoracic Surgery</i> , 2013, 96, e91-e93.	1.3	15
35	Tracheobronchoplasty for tracheomalacia. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 261-265.	1.7	14
36	Distal Tracheal Resection and Reconstruction. <i>Thoracic Surgery Clinics</i> , 2018, 28, 199-210.	1.0	13

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37	Relative Incremental Cost of Postoperative Complications of Esophagectomy. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 290-299.	0.6	12
38	Programmed death ligand 1 and CD8+ immune cell infiltrates in resected primary tracheal malignant neoplasms. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 691-698.	1.4	12
39	Idiopathic laryngotracheal stenosis. <i>Journal of Thoracic Disease</i> , 2016, 8, S204-9.	1.4	11
40	E-Cigarette Use, Small Airway Fibrosis, and Constrictive Bronchiolitis. , 2022, 1, .		11
41	Superior sulcus tumors. <i>Current Treatment Options in Oncology</i> , 2001, 2, 43-49.	3.0	10
42	Subglottic Stenosis in Granulomatosis With Polyangiitis: The Role of Laryngotracheal Resection. <i>Annals of Thoracic Surgery</i> , 2018, 105, 249-253.	1.3	10
43	Anesthesia for Airway Surgery. <i>Thoracic Surgery Clinics</i> , 2018, 28, 249-255.	1.0	10
44	Tracheal stenosisâ€”resection and reconstruction. <i>Annals of Cardiothoracic Surgery</i> , 2018, 7, 306-308.	1.7	9
45	Bioartificial tissues and organs: are we ready to translate?. <i>Lancet, The</i> , 2011, 378, 1977-1978.	13.7	8
46	Educational Challenges of the Operating Room. <i>Thoracic Surgery Clinics</i> , 2019, 29, 269-277.	1.0	8
47	Hyperbaric oxygen therapy in the prevention and management of tracheal and oesophageal anastomotic complications. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 1203-1209.	1.4	8
48	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> , 2016, 49, 609-610.	1.4	6
49	It Is the Journey, Not the Destination. <i>Annals of Thoracic Surgery</i> , 2012, 93, 1404-1415.	1.3	5
50	Tracheal Resection for Symptomatic Tracheal Stenosis During Pregnancy. <i>Annals of Thoracic Surgery</i> , 2016, 101, 1589-1591.	1.3	5
51	Pulmonary Artery Resection During Lung Resection for Malignancy. <i>Annals of Thoracic Surgery</i> , 2019, 108, 1692-1700.	1.3	5
52	Impact of Radial Margin Status After Esophagectomy for Adenocarcinoma. <i>Journal of Gastrointestinal Surgery</i> , 2020, 24, 983-990.	1.7	5
53	Repair of tracheo-oesophageal fistula. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2016, 2016, mmw002.	0.1	4
54	Successful Treatment of an Aggressive Tracheal Malignancy With Immunotherapy. <i>Annals of Thoracic Surgery</i> , 2017, 103, e123-e125.	1.3	4

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55	Bioprosthetics and repair of complex aerodigestive defects. Annals of Cardiothoracic Surgery, 2018, 7, 284-292.	1.7	4
56	Evaluation of Release Maneuvers After Airway Reconstruction. Annals of Thoracic Surgery, 2022, 113, 406-412.	1.3	4
57	Tubeless uniportal carinal right upper lobectomy. Journal of Thoracic Disease, 2017, 9, 4941-4941.	1.4	3
58	Advancing the Legislative Priorities of Cardiothoracic Surgeons: The Society of Thoracic Surgeons Political Action Committee. Annals of Thoracic Surgery, 2018, 105, 691-695.	1.3	3
59	2008 Midwest Surgical Association Harridge Lecture. American Journal of Surgery, 2009, 197, 275-278.	1.8	2
60	Outcome of the Joint Council of Thoracic Surgery Education's Early Review Course Project. Annals of Thoracic Surgery, 2016, 101, 1564-1568.	1.3	2
61	Pregnancy-associated idiopathic laryngotracheal stenosis: presentation, management and results of surgical treatment. European Journal of Cardio-thoracic Surgery, 2021, 59, 122-129.	1.4	2
62	Contributing factors to lymph node recovery with esophagectomy by thoracic surgeons: an analysis of the Society of Thoracic Surgeons General Thoracic Surgery Database. Ecological Management and Restoration, 2022, 35, .	0.4	2
63	50th Anniversary Landmark Commentary on Grillo HC. Tracheal Tumors: Surgical Management. Ann Thorac Surg 1978;26:112-125. Annals of Thoracic Surgery, 2015, 100, 6-7.	1.3	1
64	Risk factors for recurrent spontaneous pneumothorax: A population level analysis. American Journal of Surgery, 2022, 223, 404-409.	1.8	1
65	Surgical intervention for late gastric conduit obstruction. European Journal of Cardio-thoracic Surgery, 2021, 60, 1268-1276.	1.4	1
66	Programmed Death Ligand 1 and Immune Cell Infiltrates in Solitary Fibrous Tumors of the Pleura. Annals of Thoracic Surgery, 2020, 112, 1862-1869.	1.3	1
67	Induction chemoradiotherapy for esophageal cancer: Comparing CROSS regimen with cisplatin/5-FU.. Journal of Clinical Oncology, 2018, 36, 4070-4070.	1.6	1
68	Angiotensin system inhibitors during induction chemotherapy for esophageal adenocarcinoma: Analysis of survival.. Journal of Clinical Oncology, 2018, 36, e16066-e16066.	1.6	1
69	Invited Commentary. Annals of Thoracic Surgery, 2011, 91, 842-843.	1.3	0
70	Invited Commentary. Annals of Thoracic Surgery, 2012, 93, 1800-1801.	1.3	0
71	The STS Annual Meeting. Annals of Thoracic Surgery, 2014, 97, S9-S15.	1.3	0
72	Invited Commentary. Annals of Thoracic Surgery, 2014, 97, 1733.	1.3	0

#	ARTICLE	IF	CITATIONS
73	Searching for answers!. European Journal of Cardio-thoracic Surgery, 2015, 48, 653-654.	1.4	0
74	Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 647.	0.8	0
75	Introducing Policy Perspectives. Annals of Thoracic Surgery, 2015, 100, 1142.	1.3	0
76	Tracheal stenosis, masses and tracheoesophageal fistula. , 0, , 48-56.		0
77	Surgical Treatment of Squamous Carcinoma in an Antethoracic Skin Tube Used for Esophageal Replacement. Annals of Thoracic Surgery, 2017, 103, e361-e363.	1.3	0
78	Hassan Najafi, May 22, 1930â€“May 20, 2017. Annals of Thoracic Surgery, 2018, 105, 339-342.	1.3	0
79	Robert A. Wynbrandtâ€“Executive Director& General Counsel of The Society of Thoracic Surgeons June 1, 2002â€“March 15, 2019. Annals of Thoracic Surgery, 2019, 108, 1-4.	1.3	0
80	Reply. Annals of Thoracic Surgery, 2019, 108, 311-312.	1.3	0
81	The Times Change, But the Challenges Remain. Annals of Thoracic Surgery, 2021, 111, 1753.	1.3	0
82	Management of Air Leaks and Residual Spaces Following Lung Resection. Thoracic Surgery Clinics, 2021, 31, 265-271.	1.0	0