

Scott A Lemaire

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.

287 papers	11,624 citations	55 h-index	97 g-index
324 ext. papers	13,741 ext. citations	4 avg, IF	6.15 L-index

#	Paper	IF	Citations
287	Cerebrospinal fluid drainage reduces paraplegia after thoracoabdominal aortic aneurysm repair: results of a randomized clinical trial. <i>Journal of Vascular Surgery</i> , 2002 , 35, 631-9	3.5	513
286	Video-assisted thoracoscopic lobectomy is associated with better perioperative outcomes than open lobectomy in a veteran population. <i>American Journal of Surgery</i> , 2012 , 204, 607-12	2.7	488
285	Open surgical repair of 2286 thoracoabdominal aortic aneurysms. <i>Annals of Thoracic Surgery</i> , 2007 , 83, S862-4; discussion S890-2	2.7	375
284	Mutations in smooth muscle alpha-actin (ACTA2) cause coronary artery disease, stroke, and Moyamoya disease, along with thoracic aortic disease. <i>American Journal of Human Genetics</i> , 2009 , 84, 617-27	11	364
283	Outcomes of 3309 thoracoabdominal aortic aneurysm repairs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1323-37	1.5	296
282	Mortality and paraplegia after thoracoabdominal aortic aneurysm repair: a risk factor analysis. <i>Annals of Thoracic Surgery</i> , 2000 , 69, 409-14	2.7	277
281	Epidemiology of thoracic aortic dissection. <i>Nature Reviews Cardiology</i> , 2011 , 8, 103-13	14.8	209
280	Morbidity and mortality after extent II thoracoabdominal aortic aneurysm repair. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 1107-15; discussion 1115-6	2.7	187
279	Asprosin, a Fasting-Induced Glucogenic Protein Hormone. <i>Cell</i> , 2016 , 165, 566-79	56.2	187
278	Thoracoabdominal aortic aneurysm repair: review and update of current strategies. <i>Annals of Thoracic Surgery</i> , 2002 , 74, S1881-4; discussion S1892-8	2.7	183
277	Free fatty acids inhibit insulin signaling-stimulated endothelial nitric oxide synthase activation through upregulating PTEN or inhibiting Akt kinase. <i>Diabetes</i> , 2006 , 55, 2301-10	0.9	180
276	Activation of the AMPK-FOXO3 pathway reduces fatty acid-induced increase in intracellular reactive oxygen species by upregulating thioredoxin. <i>Diabetes</i> , 2009 , 58, 2246-57	0.9	175
275	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. <i>Circulation</i> , 2018 , 138, 2227-2242	16.7	174
274	2016 The American Association for Thoracic Surgery (AATS) consensus guidelines: Surgical treatment of infective endocarditis: Executive summary. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 153, 1241-1258.e29	1.5	164
273	Left heart bypass reduces paraplegia rates after thoracoabdominal aortic aneurysm repair. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1931-4; discussion 1953-8	2.7	157
272	Genome-wide association study identifies a susceptibility locus for thoracic aortic aneurysms and aortic dissections spanning FBN1 at 15q21.1. <i>Nature Genetics</i> , 2011 , 43, 996-1000	36.3	148
271	Matrix metalloproteinases in ascending aortic aneurysms: bicuspid versus trileaflet aortic valves. <i>Journal of Surgical Research</i> , 2005 , 123, 40-8	2.5	145

270	Paraplegia after thoracoabdominal aortic aneurysm repair: is dissection a risk factor?. <i>Annals of Thoracic Surgery</i> , 1997 , 63, 28-35; discussion 35-6	2.7	140
269	The elephant trunk technique for staged repair of complex aneurysms of the entire thoracic aorta. <i>Annals of Thoracic Surgery</i> , 2006 , 81, 1561-9; discussion 1569	2.7	140
268	Renal perfusion during thoracoabdominal aortic operations: cold crystalloid is superior to normothermic blood. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 730-8	2.7	140
267	Molecular mechanisms of thoracic aortic dissection. <i>Journal of Surgical Research</i> , 2013 , 184, 907-24	2.5	137
266	Superior nationwide outcomes of endovascular versus open repair for isolated descending thoracic aortic aneurysm in 11,669 patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 1001-10	1.5	137
265	Open repair of thoracoabdominal aortic aneurysm in the modern surgical era: contemporary outcomes in 509 patients. <i>Journal of the American College of Surgeons</i> , 2011 , 212, 569-79; discussion 579-81	4.4	128
264	Consensus on hypothermia in aortic arch surgery. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 163-8	4.7	128
263	Left heart bypass during descending thoracic aortic aneurysm repair does not reduce the incidence of paraplegia. <i>Annals of Thoracic Surgery</i> , 2004 , 77, 1298-303; discussion 1303	2.7	127
262	Up-regulation of PTEN (phosphatase and tensin homolog deleted on chromosome ten) mediates p38 MAPK stress signal-induced inhibition of insulin signaling. A cross-talk between stress signaling and insulin signaling in resistin-treated human endothelial cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 7727-36	5.4	120
261	Management of thoracic aortic graft infections. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1990-3; discussion 1997-8	2.7	118
260	Randomized comparison of cold blood and cold crystalloid renal perfusion for renal protection during thoracoabdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2009 , 49, 11-9; discussion 19	3.5	117
259	Results of open thoracoabdominal aortic aneurysm repair. <i>Annals of Cardiothoracic Surgery</i> , 2012 , 1, 286-92	4.7	110
258	Spectrum of aortic operations in 300 patients with confirmed or suspected Marfan syndrome. <i>Annals of Thoracic Surgery</i> , 2006 , 81, 2063-78; discussion 2078	2.7	106
257	International Registry of Patients Carrying TGFBR1 or TGFBR2 Mutations: Results of the MAC (Montalcino Aortic Consortium). <i>Circulation: Cardiovascular Genetics</i> , 2016 , 9, 548-558		105
256	STING-IRF3 Triggers Endothelial Inflammation in Response to Free Fatty Acid-Induced Mitochondrial Damage in Diet-Induced Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 920-929	9.4	95
255	Up-regulation of thioredoxin interacting protein (Txnip) by p38 MAPK and FOXO1 contributes to the impaired thioredoxin activity and increased ROS in glucose-treated endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 381, 660-5	3.4	88
254	Estimating group mortality and paraplegia rates after thoracoabdominal aortic aneurysm repair. <i>Annals of Thoracic Surgery</i> , 2003 , 75, 508-13	2.7	88
253	BioGlue surgical adhesive impairs aortic growth and causes anastomotic strictures. <i>Annals of Thoracic Surgery</i> , 2002 , 73, 1500-5; discussion 1506	2.7	88

252	A meta-analysis of deep hypothermic circulatory arrest versus moderate hypothermic circulatory arrest with selective antegrade cerebral perfusion. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 148-58	4.7	87
251	Increased collagen deposition and elevated expression of connective tissue growth factor in human thoracic aortic dissection. <i>Circulation</i> , 2006 , 114, 1200-5	16.7	85
250	A new predictive model for adverse outcomes after elective thoracoabdominal aortic aneurysm repair. <i>Annals of Thoracic Surgery</i> , 2001 , 71, 1233-8	2.7	85
249	Aortic Disease Presentation and Outcome Associated With ACTA2 Mutations. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 457-64		82
248	Delayed spinal cord deficits after thoracoabdominal aortic aneurysm repair. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1345-55; discussion 1355	2.7	76
247	Early and 1-year outcomes of aortic root surgery in patients with Marfan syndrome: a prospective, multicenter, comparative study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1758-66, 1767.e1-4	1.5	70
246	Moderate hypothermia during aortic arch surgery is associated with reduced risk of early mortality. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 146, 662-7	1.5	68
245	Neurologic complications after the frozen elephant trunk procedure: A meta-analysis of more than 3000 patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 20-33.e4	1.5	68
244	Recurrent chromosome 16p13.1 duplications are a risk factor for aortic dissections. <i>PLoS Genetics</i> , 2011 , 7, e1002118	6	67
243	The threat of adhesive embolization: BioGlue leaks through needle holes in aortic tissue and prosthetic grafts. <i>Annals of Thoracic Surgery</i> , 2005 , 80, 106-10; discussion 110-1	2.7	66
242	Thoracic aortic dissection: are matrix metalloproteinases involved?. <i>Vascular</i> , 2009 , 17, 147-57	1.3	64
241	Rare copy number variants disrupt genes regulating vascular smooth muscle cell adhesion and contractility in sporadic thoracic aortic aneurysms and dissections. <i>American Journal of Human Genetics</i> , 2010 , 87, 743-56	11	64
240	AKT2 confers protection against aortic aneurysms and dissections. <i>Circulation Research</i> , 2013 , 112, 618-32	2.7	63
239	Endovascular versus open repair of ruptured descending thoracic aortic aneurysms: a nationwide risk-adjusted study of 923 patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 1010-8	1.5	61
238	The July effect: impact of the beginning of the academic cycle on cardiac surgical outcomes in a cohort of 70,616 patients. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 70-5	2.7	61
237	On-pump versus off-pump coronary artery bypass grafting in a cohort of 63,000 patients. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1820-6; discussion 1826-7	2.7	60
236	Acute aortic dissection associated with use of cocaine. <i>Journal of Vascular Surgery</i> , 2007 , 46, 427-33	3.5	60
235	Staged versus synchronous carotid endarterectomy and coronary artery bypass grafting: analysis of 10-year nationwide outcomes. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1323-9; discussion 1329	2.7	58

234	Does the level of experience of residents affect outcomes of coronary artery bypass surgery?. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1127-33; discussion 1133-4	2.7	57
233	Total aortic arch replacement: A comparative study of zone 0 hybrid arch exclusion versus traditional open repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 1591-8; discussion 1598-600	1.5	56
232	ADAMTS-1 and ADAMTS-4 levels are elevated in thoracic aortic aneurysms and dissections. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 570-7	2.7	55
231	Severe aortic and arterial aneurysms associated with a TGFB2 mutation. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 167-71		55
230	Effect of Ciprofloxacin on Susceptibility to Aortic Dissection and Rupture in Mice. <i>JAMA Surgery</i> , 2018 , 153, e181804	5.4	53
229	Valve-sparing and valve-replacing techniques for aortic root replacement in patients with Marfan syndrome: Analysis of early outcome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 1124-32	1.5	52
228	Impact of previous thoracic aneurysm repair on thoracoabdominal aortic aneurysm management. <i>Annals of Thoracic Surgery</i> , 1997 , 64, 639-50	2.7	52
227	NLRP3 (Nucleotide Oligomerization Domain-Like Receptor Family, Pyrin Domain Containing 3)-Caspase-1 Inflammasome Degrades Contractile Proteins: Implications for Aortic Biomechanical Dysfunction and Aneurysm and Dissection Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 694-700	9.4	51
226	Aortic Dissection in Patients With Genetically Mediated Aneurysms: Incidence and Predictors in the GenTAC Registry. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 2744-2754	15.1	51
225	Hypoalbuminemia and long-term survival after coronary artery bypass: a propensity score analysis. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 671-5	2.7	51
224	Impact of image analysis methodology on diagnostic and surgical classification of patients with thoracic aortic aneurysms. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 904-12	2.7	51
223	A single nucleotide polymorphism in the matrix metalloproteinase 9 gene (-8202A/G) is associated with thoracic aortic aneurysms and thoracic aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 1045-52	1.5	50
222	Early outcomes after aortic arch replacement by using the Y-graft technique. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 700-7; discussion 707-8	2.7	49
221	Endovascular repair of a right-sided descending thoracic aortic aneurysm with a right-sided aortic arch and aberrant left subclavian artery. <i>Annals of Thoracic Surgery</i> , 2008 , 85, 1074-6	2.7	49
220	Organ protection during thoracoabdominal aortic surgery: rationale for a multimodality approach. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2005 , 9, 143-9	1.4	49
219	Standardizing clinical end points in aortic arch surgery: a consensus statement from the International Aortic Arch Surgery Study Group. <i>Circulation</i> , 2014 , 129, 1610-6	16.7	46
218	Options for managing infected ascending aortic grafts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 839-43	1.5	46
217	Aortic Complications Associated With Pregnancy in Marfan Syndrome: The NHLBI National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions (GenTAC). <i>Journal of the American Heart Association</i> , 2016 , 5,	6	46

216	Critical Role of Cytosolic DNA and Its Sensing Adaptor STING in Aortic Degeneration, Dissection, and Rupture. <i>Circulation</i> , 2020 , 141, 42-66	16.7	45
215	Genetic Variants in LRP1 and ULK4 Are Associated with Acute Aortic Dissections. <i>American Journal of Human Genetics</i> , 2016 , 99, 762-769	11	44
214	Nerve and conduction tissue injury caused by contact with BioGlue. <i>Journal of Surgical Research</i> , 2007 , 143, 286-93	2.5	44
213	Critical Role of ADAMTS-4 in the Development of Sporadic Aortic Aneurysm and Dissection in Mice. <i>Scientific Reports</i> , 2017 , 7, 12351	4.9	43
212	Clinical outcome of staged versus combined treatment approach of hybrid repair of thoracoabdominal aortic aneurysm with visceral vessel debranching and aortic endograft exclusion. <i>Perspectives in Vascular Surgery and Endovascular Therapy</i> , 2012 , 24, 5-13		43
211	Emergency surgery for thoracoabdominal aortic aneurysms with acute presentation. <i>Journal of Vascular Surgery</i> , 2002 , 35, 1171-8	3.5	42
210	Decreased expression of fibulin-5 correlates with reduced elastin in thoracic aortic dissection. <i>Surgery</i> , 2005 , 138, 352-9	3.6	41
209	Subsequent proximal aortic operations in 123 patients with previous infrarenal abdominal aortic aneurysm surgery. <i>Journal of Vascular Surgery</i> , 1995 , 22, 59-67	3.5	41
208	A meta-analysis of deep hypothermic circulatory arrest alone versus with adjunctive selective antegrade cerebral perfusion. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 261-70	4.7	41
207	Single-Cell Transcriptome Analysis Reveals Dynamic Cell Populations and Differential Gene Expression Patterns in Control and Aneurysmal Human Aortic Tissue. <i>Circulation</i> , 2020 , 142, 1374-1388	16.7	41
206	The July effect and cardiac surgery: the effect of the beginning of the academic cycle on outcomes. <i>American Journal of Surgery</i> , 2008 , 196, 720-5	2.7	40
205	Tips for successful outcomes for descending thoracic and thoracoabdominal aortic aneurysm procedures. <i>Seminars in Vascular Surgery</i> , 2008 , 21, 13-20	1.2	39
204	Deployment of balloon expandable stents during open repair of thoracoabdominal aortic aneurysms: a new strategy for managing renal and mesenteric artery lesions. <i>European Journal of Cardio-thoracic Surgery</i> , 2004 , 26, 599-607	3	38
203	Proximal aortic reoperations in patients with composite valve grafts. <i>Annals of Thoracic Surgery</i> , 2002 , 74, S1777-80; discussion S1792-9	2.7	38
202	Complications of cerebrospinal fluid drainage after thoracic aortic surgery: a review of 504 patients over 5 years. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 146, 166-71	1.5	37
201	Concomitant colorectal cancer and abdominal aortic aneurysm: evolution of treatment paradigm in the endovascular era. <i>Journal of the American College of Surgeons</i> , 2008 , 206, 1065-73; discussion 1074-5	4.4	37
200	Targeting the NLRP3 Inflammasome With Inhibitor MCC950 Prevents Aortic Aneurysms and Dissections in Mice. <i>Journal of the American Heart Association</i> , 2020 , 9, e014044	6	37
199	Matrix metalloproteinase levels in chronic thoracic aortic dissection. <i>Journal of Surgical Research</i> , 2014 , 189, 348-58	2.5	36

198	Long-term implications of emergency versus elective proximal aortic surgery in patients with Marfan syndrome in the Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions Consortium Registry. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 282-6	1.5	36
197	Human prolyl-4-hydroxylase alpha(I) transcription is mediated by upstream stimulatory factors. <i>Journal of Biological Chemistry</i> , 2006 , 281, 10849-55	5.4	36
196	Transcutaneous near-infrared spectroscopy for detection of regional spinal ischemia during intercostal artery ligation: preliminary experimental results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 132, 1150-5	1.5	35
195	TNF-alpha suppresses prolyl-4-hydroxylase alpha1 expression via the ASK1-JNK-NonO pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 1760-7	9.4	35
194	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	34
193	Axillary artery cannulation in surgery for acute or subacute ascending aortic dissections. <i>Annals of Thoracic Surgery</i> , 2010 , 90, 731-7	2.7	34
192	Associations of Age and Sex With Marfan Phenotype: The National Heart, Lung, and Blood Institute GenTAC (Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions) Registry. <i>Circulation: Cardiovascular Genetics</i> , 2017 , 10,		33
191	Thoracic aortic aneurysm frequency and dissection are associated with fibrillin-1 fragment concentrations in circulation. <i>Circulation Research</i> , 2013 , 113, 1159-68	15.7	33
190	Impact of ACGME work-hour restrictions on the outcomes of coronary artery bypass grafting in a cohort of 600,000 patients. <i>Journal of Surgical Research</i> , 2010 , 163, 201-9	2.5	33
189	Does the duration of surgery affect outcomes in patients undergoing coronary artery bypass grafting?. <i>American Journal of Surgery</i> , 2008 , 196, 652-6	2.7	33
188	Surgical techniques. Thoracoabdominal aorta. <i>Cardiology Clinics</i> , 1999 , 17, 751-65	2.5	32
187	Marfan syndrome: the variability and outcome of operative management. <i>Journal of Vascular Surgery</i> , 1995 , 21, 432-43	3.5	32
186	Autosomal and X chromosome structural variants are associated with congenital heart defects in Turner syndrome: The NHLBI GenTAC registry. <i>American Journal of Medical Genetics, Part A</i> , 2016 , 170, 3157-3164	2.5	32
185	Results of Open Surgical Repair in Patients With Marfan Syndrome and Distal Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 2193-201	2.7	31
184	Cirrhosis as a moderator of outcomes in coronary artery bypass grafting and off-pump coronary artery bypass operations: a 12-year population-based study. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 1310-1315	13.7	31
183	Extent II Thoracoabdominal Aortic Aneurysm Repair: How I Do It. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2016 , 28, 221-237	1.7	31
182	Thoracic or thoracoabdominal approaches to endovascular device removal and open aortic repair. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 726-32; discussion 733	2.7	30
181	Inflammatory Cell Infiltrates in Acute and Chronic Thoracic Aortic Dissection. <i>Aorta</i> , 2013 , 1, 259-67	0.9	30

180	Severe aortic stenosis in a veteran population: treatment considerations and survival. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 453-8	2.7	30
179	The reversed elephant trunk technique used for treatment of complex aneurysms of the entire thoracic aorta. <i>Annals of Thoracic Surgery</i> , 2005 , 80, 2166-72; discussion 2172	2.7	30
178	Discussion: Session 1 Ascending Aorta. <i>Annals of Thoracic Surgery</i> , 2002 , 74, S1792-S1799	2.7	30
177	In elective arch surgery with circulatory arrest, does the arterial cannulation site really matter? A propensity score analysis of right axillary and innominate artery cannulation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 1953-1960.e4	1.5	29
176	Notch signaling in descending thoracic aortic aneurysm and dissection. <i>PLoS ONE</i> , 2012 , 7, e52833	3.7	28
175	GenTAC registry report: gender differences among individuals with genetically triggered thoracic aortic aneurysm and dissection. <i>American Journal of Medical Genetics, Part A</i> , 2013 , 161A, 779-86	2.5	28
174	The impact of peripheral vascular disease on long-term survival after coronary artery bypass graft surgery. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 1175-80	2.7	28
173	Article Commentary: Managing Dissections of the Thoracic Aorta. <i>American Surgeon</i> , 2008 , 74, 364-380	0.8	28
172	FBN1 mutations in patients with descending thoracic aortic dissections. <i>American Journal of Medical Genetics, Part A</i> , 2010 , 152A, 413-6	2.5	27
171	An entirely endovascular approach to the repair of an ascending aortic pseudoaneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 133, 562-3	1.5	27
170	Thoracoabdominal aortic aneurysm repair with a branched graft. <i>Annals of Cardiothoracic Surgery</i> , 2012 , 1, 381-93	4.7	27
169	The National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions (GenTAC): results from phase I and scientific opportunities in phase II. <i>American Heart Journal</i> , 2011 , 162, 627-632.e1	4.9	26
168	The ARCH Projects: design and rationale (IAASSG 001). <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 10-6	3	25
167	Endovascular repair of thoracic aortic pseudoaneurysms and patch aneurysms. <i>Journal of Vascular Surgery</i> , 2010 , 52, 1034-7	3.5	25
166	The seven attributes of the academic surgeon: Critical aspects of the archetype and contributions to the surgical community. <i>American Journal of Surgery</i> , 2017 , 214, 165-179	2.7	24
165	Incidence, Cost, and Risk Factors for Readmission After Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 1782-1789	2.7	24
164	Heritable Thoracic Aortic Disease Genes in Sporadic Aortic Dissection. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2728-2730	15.1	24
163	Aortic Dilatation Associated With Bicuspid Aortic Valve: Relation to Sex, Hemodynamics, and Valve Morphology (the National Heart Lung and Blood Institute-Sponsored National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions). <i>American Journal of Cardiology</i> , 2017 , 120, 1171-1175	3	23

162	Open Repair of Thoracoabdominal Aortic Aneurysm in Patients 50 Years Old and Younger. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1849-1857	2.7	22
161	Hemiarch and Total Arch Surgery in Patients With Previous Repair of Acute Type I Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 833-8	2.7	22
160	Contemporary outcomes of open thoracoabdominal aortic aneurysm repair in octogenarians. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, S134-41	1.5	22
159	Open aortic arch repair: state-of-the-art and future perspectives. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2013 , 25, 107-15	1.7	22
158	HCMV infection attenuates hydrogen peroxide induced endothelial apoptosis-- involvement of ERK pathway. <i>FEBS Letters</i> , 2006 , 580, 2779-87	3.8	22
157	Endovascular thoracic aortic repair in confirmed or suspected genetically triggered thoracic aortic dissection. <i>Journal of Vascular Surgery</i> , 2018 , 68, 364-371	3.5	21
156	Valve-sparing aortic root replacement: early and midterm outcomes in 83 patients. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 1267-73; discussion 1273-4	2.7	21
155	Morbid obesity is associated with increased resource utilization in coronary artery bypass grafting. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 23-8; discussion 28	2.7	21
154	Surgical treatment of patients enrolled in the national registry of genetically triggered thoracic aortic conditions. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 781-7; discussion 787-8	2.7	21
153	Initial experience with the Nekkiso centrifugal pump during thoracoabdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 1998 , 27, 378-83	3.5	21
152	Acute type I aortic dissection with or without antegrade stent delivery: Mid-term outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1273-1281	1.5	20
151	Predictors of surgical mortality and discharge status after coronary artery bypass grafting in patients 80 years and older. <i>American Journal of Surgery</i> , 2009 , 198, 633-8	2.7	20
150	Midterm Survival and Quality of Life After Extent II Thoracoabdominal Aortic Repair in Marfan Syndrome. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1402-9; discussion 1409	2.7	20
149	Patients at Risk for Aortic Rupture Often Exposed to Fluoroquinolones during Hospitalization. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	20
148	Open descending thoracic or thoracoabdominal aortic approaches for complications of endovascular aortic procedures: 19-year experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 10-18	1.5	19
147	Stem cells in thoracic aortic aneurysms and dissections: potential contributors to aortic repair. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 1524-33	2.7	19
146	Moderate hypothermia at warmer temperatures is safe in elective proximal and total arch surgery: Results in 665 patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 153, 1011-1018	1.5	19
145	Nationwide trends and regional/hospital variations in open versus endovascular repair of thoracoabdominal aortic aneurysms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 144, 612-6	1.5	19

144	Case scenario: anesthetic considerations for thoracoabdominal aortic aneurysm repair. <i>Anesthesiology</i> , 2011 , 115, 1093-102	4.3	19
143	Aortic root replacement with stentless porcine xenografts: early and late outcomes in 132 patients. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 503-12; discussion 512-3	2.7	19
142	An Academic Relative Value Unit System for Incentivizing the Academic Productivity of Surgery Faculty Members. <i>Annals of Surgery</i> , 2018 , 268, 526-533	7.8	19
141	Molecular pathogenesis of genetic and sporadic aortic aneurysms and dissections. <i>Current Problems in Surgery</i> , 2017 , 54, 95-155	2.8	17
140	Outcomes of concomitant aortic valve replacement and coronary artery bypass grafting at teaching hospitals versus nonteaching hospitals. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 648-55 ^{1.5}	1.5	17
139	The impact of resident work-hour restrictions on outcomes of cardiac operations. <i>Journal of Surgical Research</i> , 2009 , 157, 268-74	2.5	17
138	Endovascular repair of thoracic aortic disease: overview of current devices and clinical results. <i>Vascular</i> , 2007 , 15, 179-90	1.3	17
137	Thoracic Aortic Anastomoses. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2000 , 5, 259-276	2.6	17
136	Incidence, Predictors, and Impact of Postoperative Atrial Fibrillation after Coronary Artery Bypass Grafting in Military Veterans. <i>Texas Heart Institute Journal</i> , 2016 , 43, 397-403	0.8	17
135	Early versus late inpatient awake transcervical injection laryngoplasty after thoracic aortic repair. <i>Laryngoscope</i> , 2018 , 128, 144-147	3.6	16
134	Descending thoracic aortic dissection: evaluation and management in the era of endovascular technology. <i>Vascular and Endovascular Surgery</i> , 2009 , 43, 5-24	1.4	16
133	Valve-sparing and valve-replacing techniques for aortic root replacement in patients with Marfan syndrome: analysis of early outcome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 641-9	1.5	16
132	Role of NonO-histone interaction in TNFalpha-suppressed prolyl-4-hydroxylase alpha1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008 , 1783, 1517-28	4.9	16
131	Managing dissections of the thoracic aorta. <i>American Surgeon</i> , 2008 , 74, 364-80	0.8	16
130	Extent II repair of thoracoabdominal aortic aneurysm secondary to chronic dissection. <i>Annals of Cardiothoracic Surgery</i> , 2012 , 1, 394-7	4.7	16
129	Cholesterol-Induced Phenotypic Modulation of Smooth Muscle Cells to Macrophage/Fibroblast-like Cells Is Driven by an Unfolded Protein Response. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 302-316	9.4	16
128	Spinal cord deficit after 1114 extent II open thoracoabdominal aortic aneurysm repairs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 ,	1.5	16
127	Mitral valve disease in patients with Marfan syndrome undergoing aortic root replacement. <i>Circulation</i> , 2013 , 128, S243-7	16.7	15

126	Are outcomes of thoracoabdominal aortic aneurysm repair different in men versus women? A propensity-matched comparison. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 154, 1203-1214.e6	1.5	14
125	BioGlue in 2011: what is its role in cardiac surgery?. <i>Journal of Extra-Corporeal Technology</i> , 2012 , 44, P6-12.	2.4	14
124	Chronobiology of Acute Aortic Dissection in the Marfan Syndrome (from the National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions and the International Registry of Acute Aortic Dissection). <i>American Journal of Cardiology</i> , 2017 , 119, 785-789	3	13
123	SMAD4 rare variants in individuals and families with thoracic aortic aneurysms and dissections. <i>European Journal of Human Genetics</i> , 2019 , 27, 1054-1060	5.3	13
122	Reoperative surgery on the thoracoabdominal aorta. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 474-485.e1	1.5	13
121	The impact of obesity on long-term survival after coronary artery bypass grafting. <i>Journal of Surgical Research</i> , 2010 , 163, 7-11	2.5	13
120	Total arch replacement with frozen elephant trunk technique. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 649-52	4.7	13
119	Total aortic arch replacement: current approach using the trifurcated graft technique. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 347-52	4.7	13
118	Aortic Aneurysms and Dissections Series. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e37-e46	9.4	12
117	The impact of preoperative chronic kidney disease on outcomes after Crawford extent II thoracoabdominal aortic aneurysm repairs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 156, 2053-2064.e1	1.5	11
116	Advanced atherosclerosis is associated with increased medial degeneration in sporadic ascending aortic aneurysms. <i>Atherosclerosis</i> , 2014 , 232, 361-8	3.1	11
115	Impact of functional status on survival after coronary artery bypass grafting in a veteran population. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 1950-4; discussion 1954-5	2.7	11
114	Paucity of skeletal manifestations in Hispanic families with FBN1 mutations. <i>European Journal of Medical Genetics</i> , 2010 , 53, 80-4	2.6	11
113	Thoracoabdominal fenestration for aortic dissection with ischemic colonic perforation. <i>Annals of Thoracic Surgery</i> , 1997 , 64, 242-4	2.7	11
112	Valvular reoperations by left thoracotomy in patients with pectus excavatum. <i>Annals of Thoracic Surgery</i> , 2006 , 82, 733-5	2.7	11
111	Clinical Characteristics and Long-Term Outcomes of Midaortic Syndrome. <i>Annals of Vascular Surgery</i> , 2020 , 66, 318-325	1.7	11
110	Exome-wide evaluation of rare coding variants using electronic health records identifies new gene-phenotype associations. <i>Nature Medicine</i> , 2021 , 27, 66-72	50.5	11
109	Elastin-Specific Autoimmunity in Smokers With Thoracic Aortic Aneurysm and Dissection is Independent of Chronic Obstructive Pulmonary Disease. <i>Journal of the American Heart Association</i> , 2019 , 8, e011671	6	10

108	Open Repair of Thoracoabdominal Aortic Aneurysm: Step-by-Step. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2018 , 23, 2-20	0.9	10
107	Association for Academic Surgery presidential address: Toward self-actualization in academic surgery. <i>Journal of Surgical Research</i> , 2012 , 178, 1-7	2.5	10
106	Assessment of aortic pathology and peripheral arterial disease using multidetector computed tomographic angiography. <i>Vascular and Endovascular Surgery</i> , 2008 , 42, 583-98	1.4	10
105	Outcomes of coronary surgery at a Veterans Affairs hospital versus other hospitals. <i>Journal of Surgical Research</i> , 2009 , 156, 150-4	2.5	10
104	HIV-based vectors and angiogenesis following rabbit hindlimb ischemia. <i>Journal of Surgical Research</i> , 2005 , 123, 55-66	2.5	10
103	Ciprofloxacin accelerates aortic enlargement and promotes dissection and rupture in Marfan mice. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	10
102	The natural history of moderate aortic stenosis in a veteran population. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013 , 145, 1550-3	1.5	9
101	Outcomes of open distal aortic aneurysm repair in patients with chronic DeBakey type I dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 2986-93.e1-2	1.5	9
100	Predicting mortality in high-risk coronary artery bypass: surgeon versus risk model. <i>Journal of Surgical Research</i> , 2012 , 174, 185-91	2.5	9
99	Aortic valve replacement: mortality predictions of surgeons versus risk model. <i>Journal of Surgical Research</i> , 2010 , 163, 1-6	2.5	9
98	Tracheostomy After Thoracoabdominal Aortic Aneurysm Repair: Risk Factors and Outcomes. <i>Annals of Thoracic Surgery</i> , 2019 , 108, 778-784	2.7	8
97	D-dimer levels remain elevated in acute aortic dissection after 24h. <i>Journal of Surgical Research</i> , 2014 , 191, 58-63	2.5	8
96	Sex, Racial, and Ethnic Disparities in U.S. Cardiovascular Trials in More Than 230,000 Patients. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 726-735	2.7	8
95	In situ bypass and extra-anatomic bypass procedures result in similar survival in patients with secondary aortoenteric fistulas. <i>Journal of Vascular Surgery</i> , 2021 , 73, 210-221.e1	3.5	8
94	Early-Stage Acute Kidney Injury Adversely Affects Thoracoabdominal Aortic Aneurysm Repair Outcomes. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 1720-1726	2.7	7
93	Endovascular repair as a bridge to surgical repair of an aortobronchial fistula complicating chronic residual aortic dissection. <i>Texas Heart Institute Journal</i> , 2014 , 41, 198-202	0.8	7
92	Outcomes of aortic valve replacement performed by residents in octogenarians. <i>Journal of Surgical Research</i> , 2009 , 156, 139-44	2.5	7
91	Contemporary outcomes of open thoracic aortic surgery in a veteran population: do risk models exaggerate mortality?. <i>American Journal of Surgery</i> , 2009 , 198, 889-94	2.7	7

90	Continued aortic aneurysmal expansion after thoracic endovascular stent-grafting. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1007-8	2.7	7
89	Surgery for Acute Type A Dissection. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 1999 , 4, 13-32	0.9	7
88	Perfusion techniques for renal protection during thoracoabdominal aortic surgery. <i>Journal of Extra-Corporeal Technology</i> , 2012 , 44, P31-7	0.4	7
87	Open Thoracoabdominal Aortic Repair in Patients With Heritable Aortic Disease in the GenTAC Registry. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 1378-1384	2.7	7
86	Surgical repair of bicuspid aortopathy at small diameters: Clinical and institutional factors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 2216-2226.e2	1.5	7
85	Aortic Aneurysms and Dissections Series: Part II: Dynamic Signaling Responses in Aortic Aneurysms and Dissections. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e78-e86	9.4	6
84	Emergent pectus excavatum repair after aortic root replacement in Marfan patient. <i>Journal of Cardiac Surgery</i> , 2012 , 27, 222-4	1.3	6
83	Large deletions and uniparental disomy detected by SNP arrays in adults with thoracic aortic aneurysms and dissections. <i>American Journal of Medical Genetics, Part A</i> , 2010 , 152A, 2399-405	2.5	6
82	Tracheal erosion by an innominate artery graft: presentation and surgical repair. <i>Annals of Thoracic Surgery</i> , 2003 , 75, 573-5	2.7	6
81	Valve-sparing aortic root replacement in patients with Marfan syndrome enrolled in the National Registry of Genetically Triggered Thoracic Aortic Aneurysms and Cardiovascular Conditions. <i>Journal of Heart Valve Disease</i> , 2014 , 23, 292-8		6
80	Is incidental splenectomy during thoracoabdominal aortic aneurysm repair associated with reduced survival?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 641-652.e2	1.5	6
79	Type B Aortic Dissection in Young Individuals With Confirmed and Presumed Heritable Thoracic Aortic Disease. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 534-540	2.7	6
78	Programmed cell death in aortic aneurysm and dissection: A potential therapeutic target. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 163, 67-80	5.8	6
77	The impact of placing multiple grafts to each myocardial territory on long-term survival after coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 60-4	1.5	5
76	Prognostic impact of intra-aortic balloon pump insertion before versus after cardiac surgical intervention in a veteran population. <i>American Journal of Surgery</i> , 2009 , 198, 628-32	2.7	5
75	Safe aortic arch clamping in patients with patent internal thoracic artery grafts. <i>Annals of Thoracic Surgery</i> , 2010 , 89, e31-2	2.7	5
74	Aortic manifestations and surgery in Marfan syndrome in pediatric patients. <i>Progress in Pediatric Cardiology</i> , 1996 , 5, 189-203	0.4	5
73	Incidence and Treatment Outcomes of Vocal Fold Movement Impairment After Total Arch Replacement. <i>Laryngoscope</i> , 2019 , 129, 699-703	3.6	5

72	Developing academic surgeons: the focus of a new course. <i>ANZ Journal of Surgery</i> , 2009 , 79, 872-5	1	4
71	Does the use of bilateral internal mammary artery grafts impact survival of veterans undergoing coronary artery bypass surgery?. <i>American Journal of Surgery</i> , 2008 , 196, 726-31	2.7	4
70	When stent-grafts fail: extraction and open surgical repair of the thoracic aorta. <i>Texas Heart Institute Journal</i> , 2011 , 38, 658-60	0.8	4
69	Open aortic arch replacement: a technical odyssey. <i>Journal of Extra-Corporeal Technology</i> , 2012 , 44, P42-3.4	3.4	4
68	Propensity score analysis in patients with and without previous isolated coronary artery bypass grafting who require proximal aortic and arch surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	4
67	Early Gastrointestinal Complications After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 717-724	2.7	4
66	A Multifaceted Research Engagement Program Improved the Academic Productivity of General Surgery Residents. <i>Journal of Surgical Education</i> , 2020 , 77, 1082-1087	3.4	4
65	Differential presentation in acuity and outcomes based on socioeconomic status in patients who undergo thoracoabdominal aortic aneurysm repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	4
64	MKL1 cooperates with p38MAPK to promote vascular senescence, inflammation, and abdominal aortic aneurysm. <i>Redox Biology</i> , 2021 , 41, 101903	11.3	4
63	Activation of Bone Marrow-Derived Cells and Resident Aortic Cells During Aortic Injury. <i>Journal of Surgical Research</i> , 2020 , 245, 1-12	2.5	4
62	How can genetic diagnosis inform the decision of when to operate?. <i>Journal of Visualized Surgery</i> , 2018 , 4, 68	0.3	4
61	Cardiac Arrhythmia After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 854-860	2.7	3
60	Thoracic Aortic, Aortic Valve, and Mitral Valve Surgery in Pediatric and Young Adult Patients With Marfan Syndrome: Characteristics and Outcomes. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019 , 31, 818-825	1.7	3
59	Valve-sparing versus composite root replacement procedures in patients with Marfan syndrome. <i>Annals of Cardiothoracic Surgery</i> , 2017 , 6, 692-696	4.7	3
58	Postoperative Chylothorax After Thoracoabdominal Aortic Aneurysm Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2018 , 30, 215-219	1.7	3
57	Unplanned Readmissions After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 228-234	2.7	3
56	AKT2 Promotes Bone Marrow Cell-Mediated Aortic Protection in Mice. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 2085-96	2.7	3
55	Scientific impact of Association for Academic Surgery and Society of University Surgeons plenary session abstracts increases in the era of the Academic Surgical Congress from 2006 to 2010. <i>Journal of Surgical Research</i> , 2013 , 182, 6-10	2.5	3

54	Intraoperative conversion after surgical failure: an overlooked complication of aortic root replacement in Marfan patients?. <i>Texas Heart Institute Journal</i> , 2011 , 38, 684-6	0.8	3
53	Thoracic aortic dissection: genes, molecules, and the knife. <i>Texas Heart Institute Journal</i> , 2012 , 39, 838-9	0.8	3
52	Successful use of angiotensin II for vasoplegia after thoracoabdominal aortic aneurysm repair. <i>JTCVS Techniques</i> , 2020 , 4, 72-75	0.2	3
51	Preserving an Academic Mission in the Face of Clinical Productivity Targets: Where Is the Academic Surgeon's Carrot?. <i>Annals of Surgery</i> , 2020 , 271, 223-224	7.8	3
50	A 23-year experience with the reversed elephant trunk technique for staged repair of extensive thoracic aortic aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	3
49	ECMO for Acute Respiratory Distress Syndrome After Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2018 , 106, e171-e172	2.7	3
48	Midterm outcomes of aortic root surgery in patients with Marfan syndrome: A prospective, multicenter, comparative study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	3
47	Hepatopancreaticobiliary Values after Thoracoabdominal Aneurysm Repair. <i>Aorta</i> , 2014 , 2, 135-42	0.9	2
46	Outcomes of circulatory arrest procedures for the treatment of thoracic aortic disease at a veterans facility. <i>American Journal of Surgery</i> , 2010 , 200, 581-4	2.7	2
45	Cardiac surgery in patients with major lower extremity amputation: a single institution experience. <i>Journal of Surgical Research</i> , 2009 , 156, 161-6	2.5	2
44	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1160	2.7	2
43	Thoracoabdominal Aortic Aneurysm Repair: Open Technique. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2010 , 15, 70-85	0.9	2
42	Hybrid Repairs of the Distal Aortic Arch and Proximal Descending Thoracic Aorta. <i>Operative Techniques in Thoracic and Cardiovascular Surgery</i> , 2007 , 12, 167-177	0.9	2
41	Single-Cell Analysis of Aneurysmal Aortic Tissue in Patients with Marfan Syndrome Reveals Dysfunctional TGF- β Signaling.. <i>Genes</i> , 2021 , 13,	4.2	2
40	Monosomy X in Female Mice Influences the Regional Formation and Augments the Severity of Angiotensin II-Induced Aortopathies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 269-283	9.4	2
39	Diseases of the Aorta 2007 , 1623-1661		2
38	Surgical Technique for Extent I, II, and III Thoraco-Abdominal Aortic Aneurysms 2011 , 327-343		2
37	The Thoracoabdominal Aorta in Marfan Syndrome 2014 , 423-434		2

36	Sex Differences in Ascending Aortic and Arch Surgery: A Propensity-Matched Comparison of 1153 Pairs. <i>Annals of Thoracic Surgery</i> , 2021 ,	2.7	2
35	Effect of sarcopenia on survival and spinal cord deficit outcomes after thoracoabdominal aortic aneurysm repair in patients 60 years of age and older. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	2
34	Contemporary Outcomes After Partial Resection of Infected Aortic Grafts. <i>Annals of Vascular Surgery</i> , 2021 , 76, 202-210	1.7	2
33	Surgical research journals - Under review: An assessment of diversity among editorial boards and outcomes of peer review. <i>American Journal of Surgery</i> , 2021 ,	2.7	2
32	Degenerative Aneurysms 283-296		2
31	Cardiovascular Outcomes in Aortopathy. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 2069-2081	2.1	2
30	Current Open Treatment of Thoracoabdominal Aortic Aneurysms 2019 , 1075-1089		1
29	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 1626-7	2.7	1
28	Use of near-infrared spectroscopy to monitor regional cerebral oxygen saturation during infrarenal aortic crossclamping in piglets. <i>Artificial Organs</i> , 2003 , 27, 849-53	2.6	1
27	USE OF ENDOVASCULAR STENT GRAFTS IN THORACOABDOMINAL AORTIC ANEURYSMS. <i>Electronic Journal of General Medicine</i> , 2006 , 3,	2.1	1
26	Molecular and Cellular Dynamics of Aortic Aneurysms Revealed by Single-Cell Transcriptomics. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 2671-2680	9.4	1
25	Early Detection of Aortic Degeneration in a Mouse Model of Sporadic Aortic Aneurysm and Dissection Using Nanoparticle Contrast-Enhanced Computed Tomography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 1534-1548	9.4	1
24	Integrative analysis of genomic variants reveals new associations of candidate haploinsufficient genes with congenital heart disease. <i>PLoS Genetics</i> , 2021 , 17, e1009679	6	1
23	Using BioGlue to achieve hemostasis in aortic root surgery 2010 , 185-191		0
22	Open Repair of Acute Type A Intramural Hematoma in 3 Patients. <i>Texas Heart Institute Journal</i> , 2020 , 47, 290-297	0.8	0
21	AIM2 Inflammasome Activation Contributes to Aortic Dissection in Sporadic Aortic Disease Mouse Model.. <i>Journal of Surgical Research</i> , 2021 , 272, 105-116	2.5	0
20	Commentary: Building an academic cardiothoracic surgical program: The Baylor experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	0
19	New Technologies With Increased Precision Improve Understanding of Endothelial Cell Heterogeneity in Cardiovascular Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 679995	5.7	0

18	Surgical Adhesives241-246		0
17	American Heart Association Vascular Disease Strategically Focused Research Network. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e47-e54		9.4
16	Randomized clinical trials of surgery for infective endocarditis: Reality versus expectations!. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 74-75.e1		1.5
15	Thoracoabdominal Aneurysms 2019 , 438-454		
14	What can we learn from mother?: aortic pathology predicts midterm outcome. <i>Circulation</i> , 2013 , 127, 5-7		16.7
13	Surgical intervention for infective endocarditis in a veteran population. <i>American Journal of Surgery</i> , 2010 , 200, 596-600		2.7
12	Commentary: Advances in noninvasive perispinal oximetry. <i>Journal of Endovascular Therapy</i> , 2011 , 18, 96-7		2.5
11	Surgical Therapy 2006 , 517-532		
10	Combining open and endovascular approaches to complex aneurysms. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1085, 208-12		6.5
9	Penetrating Thoracic Vascular Injury 2004 , 251-267		
8	Images in vascular medicine. Aortic graft pseudo-pseudoaneurysms. <i>Vascular Medicine</i> , 2005 , 10, 329		3.3
7	Understanding Open Repair of the Descending Thoracic and Thoracoabdominal Aorta 2011 , 195-210		
6	Why Be an Academic Surgeon? Impetus and Options for the Emerging Surgeon-Scientist 2011 , 3-10		
5	Definitions and Classifications 2011 , 17-24		
4	Open Repair of Thoracoabdominal Aortic Aneurysms517-532		
3	Surgical Therapy for Aortic Dissection 2013 , 433-446		
2	Commentary: Genetics and surgical planning in heritable aortic disease-moving from "when to operate" to "how to operate". <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, e358-e359		1.5
1	Commentary: Fluoroquinolones and Aortic Complications: Are We Ready for a Class III Recommendation With Level Z Evidence?. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 , 33, 919-921		1.7

