

Scott A Lemaire

List of Publications by Year in Descending Order

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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	Cardiovascular Outcomes in Aortopathy. <i>Journal of the American College of Cardiology</i> , 2022 , 79, 2069-2081	10.51	2
286	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
285	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
284	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
283	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
282	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
281	Early Gastrointestinal Complications After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 717-724	2.7	4
280	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
279	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
278	MKL1 cooperates with p38MAPK to promote vascular senescence, inflammation, and abdominal aortic aneurysm. <i>Redox Biology</i> , 2021 , 41, 101903	11.3	4
277	Commentary: Building an academic cardiothoracic surgical program: The Baylor experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	0
276	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
275	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	
274	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
273	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	1
272	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
271	Contemporary Outcomes After Partial Resection of Infected Aortic Grafts. <i>Annals of Vascular Surgery</i> , 2021 , 76, 202-210	1.7	2

270	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
269	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
268	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
267	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
266	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
265	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
264	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
263	Aortic Aneurysms and Dissections Series. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e37-e46	9.4	12
262	American Heart Association Vascular Disease Strategically Focused Research Network. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, e47-e54	9.4	
261	Open Repair of Acute Type A Intramural Hematoma in 3 Patients. <i>Texas Heart Institute Journal</i> , 2020 , 47, 290-297	0.8	0
260	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
259	Successful use of angiotensin II for vasoplegia after thoracoabdominal aortic aneurysm repair. <i>JTCVS Techniques</i> , 2020 , 4, 72-75	0.2	3
258	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
257	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
256	Clinical Characteristics and Long-Term Outcomes of Midaortic Syndrome. <i>Annals of Vascular Surgery</i> , 2020 , 66, 318-325	1.7	11
255	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
254	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
253	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

252	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
251	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
250	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
249	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
248	Ciprofloxacin accelerates aortic enlargement and promotes dissection and rupture in Marfan mice. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	10
247	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
246	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
245	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
244	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
243	Tracheostomy After Thoracoabdominal Aortic Aneurysm Repair: Risk Factors and Outcomes. <i>Annals of Thoracic Surgery</i> , 2019 , 108, 778-784	2.7	8
242	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
241	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
240	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
239	Current Open Treatment of Thoracoabdominal Aortic Aneurysms 2019 , 1075-1089		1
238	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
237	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
236	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
235	Thoracoabdominal Aneurysms 2019 , 438-454		

234	Patients at Risk for Aortic Rupture Often Exposed to Fluoroquinolones during Hospitalization. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	20
233	Incidence and Treatment Outcomes of Vocal Fold Movement Impairment After Total Arch Replacement. <i>Laryngoscope</i> , 2019 , 129, 699-703	3.6	5
232	Spinal cord deficit after 1114 extent II open thoracoabdominal aortic aneurysm repairs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 ,	1.5	16
231	Postoperative Chylothorax After Thoracoabdominal Aortic Aneurysm Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2018 , 30, 215-219	1.7	3
230	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
229	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	
228	Unplanned Readmissions After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 228-234	2.7	3
227	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
226	Early versus late inpatient awake transcervical injection laryngoplasty after thoracic aortic repair. <i>Laryngoscope</i> , 2018 , 128, 144-147	3.6	16
225	Reoperative surgery on the thoracoabdominal aorta. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 474-485.e1	1.5	13
224	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
223	Effect of Ciprofloxacin on Susceptibility to Aortic Dissection and Rupture in Mice. <i>JAMA Surgery</i> , 2018 , 153, e181804	5.4	53
222	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
221	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
220	How can genetic diagnosis inform the decision of when to operate?. <i>Journal of Visualized Surgery</i> , 2018 , 4, 68	0.3	4
219	ECMO for Acute Respiratory Distress Syndrome After Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2018 , 106, e171-e172	2.7	3
218	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
217	Enhanced Cardiomyocyte NLRP3 Inflammasome Signaling Promotes Atrial Fibrillation. <i>Circulation</i> , 2018 , 138, 2227-2242	16.7	174

216	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
215	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
214	Molecular pathogenesis of genetic and sporadic aortic aneurysms and dissections. <i>Current Problems in Surgery</i> , 2017 , 54, 95-155	2.8	17
213	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, 694-706	9.4	51
212	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
211	Cardiac Arrhythmia After Open Thoracoabdominal Aortic Aneurysm Repair. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 854-860	2.7	3
210	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
209	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
208	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
207	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
206	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
205	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, 1474-1475	3	23
204	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
203	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
202	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
201	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
200	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
199	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	34

198	AKT2 Promotes Bone Marrow Cell-Mediated Aortic Protection in Mice. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 2085-96	2.7	3
197	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
196	Outcomes of 3309 thoracoabdominal aortic aneurysm repairs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1323-37	1.5	296
195	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
194	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
193	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
192	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
191	Asprosin, a Fasting-Induced Glucogenic Protein Hormone. <i>Cell</i> , 2016 , 165, 566-79	56.2	187
190	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
189	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
188	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
187	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
186	Aortic Disease Presentation and Outcome Associated With ACTA2 Mutations. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 457-64		82
185	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
184	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
183	Advanced atherosclerosis is associated with increased medial degeneration in sporadic ascending aortic aneurysms. <i>Atherosclerosis</i> , 2014 , 232, 361-8	3.1	11
182	The ARCH Projects: design and rationale (IAASSG 001). <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 10-6	3	25
181	Matrix metalloproteinase levels in chronic thoracic aortic dissection. <i>Journal of Surgical Research</i> , 2014 , 189, 348-58	2.5	36

180	Hepatopancreaticobiliary Values after Thoracoabdominal Aneurysm Repair. <i>Aorta</i> , 2014 , 2, 135-42	0.9	2
179	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
178	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
177	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
176	D-dimer levels remain elevated in acute aortic dissection after 24h. <i>Journal of Surgical Research</i> , 2014 , 191, 58-63	2.5	8
175	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
174	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
173	The Thoracoabdominal Aorta in Marfan Syndrome 2014 , 423-434		2
172	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
171	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
170	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
169	Mitral valve disease in patients with Marfan syndrome undergoing aortic root replacement. <i>Circulation</i> , 2013 , 128, S243-7	16.7	15
168	Molecular mechanisms of thoracic aortic dissection. <i>Journal of Surgical Research</i> , 2013 , 184, 907-24	2.5	137
167	AKT2 confers protection against aortic aneurysms and dissections. <i>Circulation Research</i> , 2013 , 112, 618-32	15.7	63
166	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
165	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
164	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
163	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

162	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
161	What can we learn from mother?: aortic pathology predicts midterm outcome. <i>Circulation</i> , 2013 , 127, 5-7	16.7	
160	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
159	Inflammatory Cell Infiltrates in Acute and Chronic Thoracic Aortic Dissection. <i>Aorta</i> , 2013 , 1, 259-67	0.9	30
158	Total arch replacement with frozen elephant trunk technique. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 649-52	4.7	13
157	Consensus on hypothermia in aortic arch surgery. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 163-8	4.7	128
156	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
155	Total aortic arch replacement: current approach using the trifurcated graft technique. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 347-52	4.7	13
154	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
153	Surgical Therapy for Aortic Dissection 2013 , 433-446		
152	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
151	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
150	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
149	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
148	Emergent pectus excavatum repair after aortic root replacement in Marfan patient. <i>Journal of Cardiac Surgery</i> , 2012 , 27, 222-4	1.3	6
147	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	17
146	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
145	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

144	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
143	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
142	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
141	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
140	Notch signaling in descending thoracic aortic aneurysm and dissection. <i>PLoS ONE</i> , 2012 , 7, e52833	3.7	28
139	Thoracoabdominal aortic aneurysm repair with a branched graft. <i>Annals of Cardiothoracic Surgery</i> , 2012 , 1, 381-93	4.7	27
138	Thoracic aortic dissection: genes, molecules, and the knife. <i>Texas Heart Institute Journal</i> , 2012 , 39, 838-90.8		3
137	Extent II repair of thoracoabdominal aortic aneurysm secondary to chronic dissection. <i>Annals of Cardiothoracic Surgery</i> , 2012 , 1, 394-7	4.7	16
136	Perfusion techniques for renal protection during thoracoabdominal aortic surgery. <i>Journal of Extra-Corporeal Technology</i> , 2012 , 44, P31-7	0.4	7
135	Open aortic arch replacement: a technical odyssey. <i>Journal of Extra-Corporeal Technology</i> , 2012 , 44, P42-7.4		4
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117	Understanding Open Repair of the Descending Thoracic and Thoracoabdominal Aorta 2011 , 195-210		
116	Why Be an Academic Surgeon? Impetus and Options for the Emerging Surgeon-Scientist 2011 , 3-10		
115	Definitions and Classifications 2011 , 17-24		
114	Using BioGlue to achieve hemostasis in aortic root surgery 2010 , 185-191		0
113	Endovascular repair of thoracic aortic pseudoaneurysms and patch aneurysms. <i>Journal of Vascular Surgery</i> , 2010 , 52, 1034-7	3.5	25
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87	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
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3	Open Repair of Thoracoabdominal Aortic Aneurysms	517-532	
2	Degenerative Aneurysms	283-296	2
1	Surgical Adhesives	241-246	0

