

Li-Zhong Sun

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

1,766
citations

411340

20
h-index

340414

39
g-index

87
all docs

87
docs citations

87
times ranked

1771
citing authors

#	ARTICLE	IF	CITATIONS
1	Femoral artery cannulation increases the risk of postoperative stroke in patients with acute DeBakey I aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 166, 1023-1031.e15.	0.4	5
2	Does preoperative dual antiplatelet therapy affect bleeding and mortality after total arch repair for acute type A dissection?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 120-127.	0.5	2
3	Influence of Dynamic and Static Obstructive Renal Artery on Early Prognosis in Stanford Type A Aortic Dissection. <i>Heart Lung and Circulation</i> , 2022, , .	0.2	1
4	Comparison of short-term outcomes of mild and moderate hypothermic circulatory arrest in aortic arch surgery: a single center retrospective cohort study. <i>Annals of Translational Medicine</i> , 2022, 10, 416-416.	0.7	4
5	Surgical Repair of Two Kinds of Type A Aortic Dissection After Thoracic Endovascular Aortic Repair. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 849307.	1.1	0
6	Rotation characteristics and neoâ€œcommissural alignment of transcatheter heart valve in typeâ€œ bicuspid aortic valve. <i>Journal of Cardiac Surgery</i> , 2022, , .	0.3	2
7	Blood Transfusion Predicts Prolonged Mechanical Ventilation in Acute Stanford Type A Aortic Dissection Undergoing Total Aortic Arch Replacement. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 832396.	1.1	7
8	Development and Validation of a Prognostic Model to Predict the Risk of In-hospital Death in Patients With Acute Kidney Injury Undergoing Continuous Renal Replacement Therapy After Acute Type a Aortic Dissection. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 891038.	1.1	4
9	Primary Cardiac Impairment in Patients With Marfan Syndrome Undergoing a Bentall Procedure. <i>Annals of Thoracic Surgery</i> , 2021, 112, 1193-1200.	0.7	2
10	Management of aortobronchial fistula: Experience of 14 cases. <i>Journal of Cardiac Surgery</i> , 2021, 36, 156-161.	0.3	3
11	Management of acute type A aortic dissection during COVIDâ€œ19 outbreak: Experience from Anzhen. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1659-1664.	0.3	6
12	Analysis of clinical outcomes of oneâ€œstaged hybrid procedure without thoracotomy for aorta lesion involving distal aortic arch. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1313-1319.	0.3	1
13	What Is the Next Generation of Transcatheter Mitral Valve Repair Devices?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 641691.	1.1	3
14	A Dilemma in the Extremely Low-Placed Venus A-Valve in a Cardiogenic Shock Patient. <i>Heart Surgery Forum</i> , 2021, 24, E256-E260.	0.2	0
15	Evaluating the monogenic contribution and genotypeâ€œphenotype correlation in patients with isolated thoracic aortic aneurysm. <i>European Journal of Human Genetics</i> , 2021, 29, 1129-1138.	1.4	6
16	Short-term outcomes of acute coronary involvement in type A aortic dissection without myocardial ischemia: a multiple center retrospective cohort study. <i>Journal of Cardiothoracic Surgery</i> , 2021, 16, 107.	0.4	5
17	Body mass index is an independent predictor of acute kidney injury after urgent aortic arch surgery for acute DeBakey Type I aortic dissection. <i>Journal of Cardiothoracic Surgery</i> , 2021, 16, 145.	0.4	10
18	Imaging features of mycotic aortic aneurysms. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2861-2878.	1.1	8

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19	Comparison of Prognosis Between Hybrid Debranching Surgery and Total Open Arch Replacement With Frozen Elephant Trunk for Type A Acute Aortic Syndrome Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 689507.	1.1	4
20	Comparison of Open Repair vs. the One-Stage Hybrid Extra-Anatomic Technique for Distal Aortic Arch Disease Treatment: Mid-term Outcomes With a Risk-Adjusted Analysis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 725902.	1.1	2
21	Early and Long-Term Follow-Up for Chronic Type B and Type Non-A Non-B Aortic Dissection Using the Frozen Elephant Trunk Technique. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 714638.	1.1	6
22	Mid-term Patency of the Great Saphenous Bypass to Aorta vs. Non-aortic Arteries in Stanford Type A Aortic Dissection Surgery With Concomitant CABG. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 743562.	1.1	1
23	Neurofilament Light Chain Protein Is a Predictive Biomarker for Stroke After Surgical Repair for Acute Type A Aortic Dissection. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 754801.	1.1	6
24	Machine Learning Prediction Model for Acute Renal Failure After Acute Aortic Syndrome Surgery. <i>Frontiers in Medicine</i> , 2021, 8, 728521.	1.2	4
25	Integrated Aortic-Valve-And-Ascending-Aortic Replacement vs. Partial Replacement in Bicuspid Aortic Valve-Related Aortopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 771346.	1.1	0
26	Aortic arch surgery with hypothermic circulatory arrest and unilateral antegrade cerebral perfusion: Perioperative outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 374-387.e4.	0.4	28
27	Acute Aortic Dissection in Young Adult Patients: Clinical Characteristics, Management, and Perioperative Outcomes. <i>Journal of Investigative Surgery</i> , 2020, 33, 211-217.	0.6	12
28	Can Frozen Elephant Trunk Cure Type I Dissection Confined to Thoracic Aorta in Marfan Syndrome?. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1174-1182.	0.7	10
29	Increased frequency of FBN1 frameshift and nonsense mutations in Marfan syndrome patients with aortic dissection. <i>Molecular Genetics & Genomic Medicine</i> , 2020, 8, e1041.	0.6	21
30	Machine learning for the prediction of acute kidney injury and paraplegia after thoracoabdominal aortic aneurysm repair. <i>Journal of Cardiac Surgery</i> , 2020, 35, 89-99.	0.3	14
31	Sun's total arch replacement and stent elephant trunk with modified branch-first technique for patients with Stanford type A aortic dissection. <i>Annals of Translational Medicine</i> , 2020, 8, 755-755.	0.7	3
32	Acute type A aortic intramural hematoma and type A aortic dissection: correlation between the intimal tear features and pathogenesis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1504-1514.	1.1	11
33	Application of the modified stented elephant trunk procedure in type B aortic dissection. <i>Annals of Translational Medicine</i> , 2020, 8, 384-384.	0.7	1
34	Identification of clinically relevant variants by whole exome sequencing in Chinese patients with sporadic non-syndromic type A aortic dissection. <i>Clinica Chimica Acta</i> , 2020, 506, 160-165.	0.5	5
35	Smoking history increases the risk of long-term mortality after thoracic endovascular aortic repair in patients with an uncomplicated type B dissection. <i>Chinese Medical Journal</i> , 2020, 133, 402-407.	0.9	0
36	Total arch replacement and frozen elephant trunk for aortic dissection in aberrant right subclavian artery. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 104-111.	0.6	8

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37	SIRT1 protects against aortic dissection by regulating AP-1/decorin signaling-mediated PDCD4 activation. <i>Molecular Biology Reports</i> , 2020, 47, 2149-2159.	1.0	6
38	Aortic dissection during pregnancy and postpartum in patients with Marfan syndrome: a 21-year clinical experience in 30 patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 294-301.	0.6	12
39	Thoracic aortic surgery: status and upcoming novelties. <i>Minerva Cardioangiologica</i> , 2020, 68, 518-531.	1.2	1
40	Safety of Hypothermic Circulatory Arrest During Unilateral Antegrade Cerebral Perfusion for Aortic Arch Surgery. <i>Canadian Journal of Cardiology</i> , 2019, 35, 1483-1490.	0.8	2
41	Cardiopulmonary bypass time is an independent risk factor for acute kidney injury in emergent thoracic aortic surgery: a retrospective cohort study. <i>Journal of Cardiothoracic Surgery</i> , 2019, 14, 90.	0.4	45
42	Analysis of perioperative outcome and long-term survival rate of thoracic endovascular aortic repair in uncomplicated type B dissection: single-centre experience with 751 patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 56, 1090-1096.	0.6	13
43	Acute aortic dissection with a concomitant giant abdominal aorta aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, e161-e162.	0.4	3
44	Distal Stent Graft-Induced New Entry After TEVAR of Type B Aortic Dissection: Experience in 15 Years. <i>Annals of Thoracic Surgery</i> , 2019, 107, 718-724.	0.7	22
45	Fate of distal aorta after frozen elephant trunk and total arch replacement for type A aortic dissection in Marfan syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 835-849.	0.4	37
46	Supra-aortic vessel reconstruction in total arch replacement for acute type A dissection: Comparison of en bloc and separate graft techniques. <i>Asian Journal of Surgery</i> , 2019, 42, 482-487.	0.2	9
47	Efficacy of Total Aortic Arch Replacement Combined with Frozen Elephant Trunk in Aortic Reoperation. <i>Medical Science Monitor</i> , 2019, 25, 3998-4004.	0.5	0
48	Reply. <i>Annals of Thoracic Surgery</i> , 2018, 105, 663-664.	0.7	1
49	Magnitude of Soluble ST2 as a Novel Biomarker for Acute Aortic Dissection. <i>Circulation</i> , 2018, 137, 259-269.	1.6	80
50	Frozen elephant trunk with modified en bloc arch reconstruction and left subclavian transposition for chronic type A dissection. <i>Journal of Thoracic Disease</i> , 2018, 10, 5376-5383.	0.6	13
51	Risk factors for hypoxemia following surgical repair of acute type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 24, iw272.	0.5	23
52	Predictors of Prolonged Mechanical Ventilation in Adults After Acute Type-A Aortic Dissection Repair. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1580-1587.	0.6	24
53	One-stage ascending-to-abdominal aortic bypass with concomitant aortic valve procedures for aortic coarctation combined with aortic valve pathology in adult patients. <i>Journal of Cardiac Surgery</i> , 2017, 32, 817-821.	0.3	0
54	Long-term outcomes of frozen elephant trunk for type A aortic dissection in patients with Marfan syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1175-1189.e2.	0.4	41

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55	Aortic Dissection in Pregnancy: Management Strategy and Outcomes. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1199-1206.	0.7	74
56	Single-center experience with simultaneous thoracic endovascular aortic repair and abdominal endovascular aneurysm repair. <i>Vascular</i> , 2017, 25, 157-162.	0.4	7
57	Thoracoabdominal aortic replacement for Crawford extent II aneurysm after thoracic endovascular aortic repair. <i>Journal of Thoracic Disease</i> , 2017, 9, 64-69.	0.6	2
58	Preoperative intra-aortic balloon pump improves the clinical outcomes of off-pump coronary artery bypass grafting in left ventricular dysfunction patients. <i>Scientific Reports</i> , 2016, 6, 27645.	1.6	18
59	Perioperative factors associated with short- and long-term outcomes after tricuspid valve replacement. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 845-850.	0.5	10
60	Should a Tapered Stent Be Considered in TEVAR of Type B Dissection?. <i>Journal of Endovascular Therapy</i> , 2016, 23, 824-824.	0.8	0
61	A Successful Three-Stage Surgical Treatment for Aorto-esophageal Fistula After Thoracic Endovascular Aortic Repair and Esophageal Stent Repair. <i>Annals of Thoracic Surgery</i> , 2016, 102, e503-e505.	0.7	8
62	Noninvasive Positive-Pressure Ventilation in Treatment of Hypoxemia After Extubation Following Type-A Aortic Dissection. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, 1539-1544.	0.6	12
63	Type A aortic dissection with arch entry tear: Surgical experience in 104 patients over a 12-year period. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1581-1592.	0.4	58
64	Ultra-flexible Piezoelectric Devices Integrated with Heart to Harvest the Biomechanical Energy. <i>Scientific Reports</i> , 2015, 5, 16065.	1.6	132
65	Aneurysm of the Aortic Isthmus. <i>Journal of Cardiac Surgery</i> , 2015, 30, 839-839.	0.3	0
66	Four-branch Prosthetic Graft Used for Stanford Type A Aortic Dissection with Aberrant Right Subclavian Artery. <i>Chinese Medical Journal</i> , 2015, 128, 1558.	0.9	2
67	Endovascular repair of Stanford B aortic dissection using two stent grafts with different sizes. <i>Journal of Vascular Surgery</i> , 2015, 62, 43-48.	0.6	24
68	The chimney technique for preserving the left subclavian artery in thoracic endovascular aortic repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 623-629.	0.6	70
69	Comparative tissue proteomics analysis of thoracic aortic dissection with hypertension using the iTRAQ technique. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 431-438.	0.6	24
70	Open Surgery with Frozen Elephant Trunk for the Treatment of Proximal Stent Graft-Induced New Entry in Type B Aortic Dissection: A Case Report. <i>Annals of Vascular Surgery</i> , 2015, 29, 1316.e21-1316.e24.	0.4	1
71	Effects of Noninvasive Positive-Pressure Ventilation with Different Interfaces in Patients with Hypoxemia after Surgery for Stanford Type A Aortic Dissection. <i>Medical Science Monitor</i> , 2015, 21, 2294-2304.	0.5	11
72	Diagnostic Performance of Echocardiography for the Detection of Acute Cardiac Allograft Rejection: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2015, 10, e0121228.	1.1	14

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73	Risk factors for acute kidney injury in overweight patients with acute type A aortic dissection: a retrospective study. <i>Journal of Thoracic Disease</i> , 2015, 7, 1385-90.	0.6	24
74	One-stage hybrid procedure without sternotomy for treating thoracic aortic pathologies that involve distal aortic arch: a single-center preliminary study. <i>Journal of Thoracic Disease</i> , 2015, 7, 861-7.	0.6	4
75	Sesamin Enhances Cholesterol Efflux in RAW264.7 Macrophages. <i>Molecules</i> , 2014, 19, 7516-7527.	1.7	23
76	A novel approach for hybrid repair of type B aortic dissection associated with coarctation of the aorta. <i>Journal of Vascular Surgery</i> , 2014, 59, 1422-1425.	0.6	2
77	Dr. Sun's Procedure for Type A Aortic Dissection: Total Arch Replacement Using Tetrafurcate Graft With Stented Elephant Trunk Implantation. <i>Aorta</i> , 2013, 1, 59-64.	0.1	39
78	Surgery for patients with Marfan syndrome with type A dissection involving the aortic arch using total arch replacement combined with stented elephant trunk implantation: The acute versus the chronic. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, e85-e91.	0.4	37
79	Repair of Acute Type A Dissection: Our Experiences and Results. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1147-1152.	0.7	67
80	Total Arch Replacement Combined With Stented Elephant Trunk Implantation. <i>Circulation</i> , 2011, 123, 971-978.	1.6	321
81	Repair of Chronic Type B Dissection With Aortic Arch Involvement Using a Stented Elephant Trunk Procedure. <i>Annals of Thoracic Surgery</i> , 2010, 90, 95-100.	0.7	17
82	Is total arch replacement combined with stented elephant trunk implantation justified for patients with chronic Stanford type A aortic dissection?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 892-896.	0.4	45
83	Surgery for acute type A dissection using total arch replacement combined with stented elephant trunk implantation: Experience with 107 patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 1358-1362.	0.4	130
84	Surgery for Marfan Patients With Acute Type A Dissection Using a Stented Elephant Trunk Procedure. <i>Annals of Thoracic Surgery</i> , 2008, 86, 1821-1825.	0.7	45