

Li-Zhong Sun

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.

70
papers

506
citations

12
h-index

18
g-index

72
ext. papers

643
ext. citations

2.1
avg, IF

3.88
L-index

#	Paper	IF	Citations
70	Frozen elephant trunk with total arch replacement for type A aortic dissections: Does acuity affect operative mortality?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 963-70; discussion 970-2	1.5	54
69	Open Stented Grafts for Frozen Elephant Trunk Technique: Technical Aspects and Current Outcomes. <i>Aorta</i> , 2015 , 3, 122-35	0.9	35
68	In vitro and in vivo evaluation of a small-caliber coaxial electrospun vascular graft loaded with heparin and VEGF. <i>International Journal of Surgery</i> , 2017 , 44, 244-249	7.5	31
67	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	0.9	27
66	Moderate hypothermic circulatory arrest in total arch repair for acute type A aortic dissection: clinical safety and efficacy. <i>Journal of Thoracic Disease</i> , 2016 , 8, 925-33	2.6	24
65	Frozen elephant trunk does not increase incidence of paraplegia in patients with acute type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 1189-1196.e1	1.5	24
64	Sun's procedure for chronic type A aortic dissection: total arch replacement using a tetrafurcate graft with stented elephant trunk implantation. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 665-6	4.7	23
63	Risk factors for distal stent graft-induced new entry following endovascular repair of type B aortic dissection. <i>Journal of Thoracic Disease</i> , 2015 , 7, 1907-16	2.6	20
62	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	1.5	19
61	Surgery for acute type A dissection using total arch replacement combined with stented elephant trunk implantation: Preservation of autologous brachiocephalic vessels. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 101-5	1.5	13
60	Repair of complicated type B dissection with an aberrant right subclavian artery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 718-22	1.8	13
59	Disruption of mechanical stress in extracellular matrix is related to Stanford type A aortic dissection through down-regulation of Yes-associated protein. <i>Aging</i> , 2016 , 8, 1923-1939	5.6	12
58	Risk factors for prolonged mechanical ventilation after total aortic arch replacement for acute DeBakey type I aortic dissection. <i>Heart Lung and Circulation</i> , 2014 , 23, 869-74	1.8	10
57	Renal malperfusion affects operative mortality rather than late death following acute type A aortic dissection repair. <i>Asian Journal of Surgery</i> , 2020 , 43, 213-219	1.6	10
56	Stented elephant trunk procedure with left subclavian artery transposition for acute type B dissection with distal arch involvement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 1160-5	1.5	8
55	The repair of a type Ia endoleak following thoracic endovascular aortic repair using a stented elephant trunk procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 1391-1396	1.5	8
54	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	1.6	8

53	Frozen elephant trunk with modified arch reconstruction and left subclavian transposition for chronic type A dissection. <i>Journal of Thoracic Disease</i> , 2018 , 10, 5376-5383	2.6	8
52	Total arch replacement and frozen elephant trunk for type A aortic dissection after Bentall procedure in Marfan syndrome. <i>Journal of Thoracic Disease</i> , 2018 , 10, 2377-2387	2.6	8
51	Repair of Complicated Chronic Type B Dissection with Distal Aortic Arch Involvement Using Left Subclavian Artery Transposition with Implantation of a Stented Elephant Trunk. <i>Thoracic and Cardiovascular Surgeon</i> , 2017 , 65, 99-104	1.6	7
50	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	3	7
49	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	3	7
48	Diagnostic performance of cardiac magnetic resonance for the detection of acute cardiac allograft rejection: a systematic review and meta-analysis. <i>Journal of Thoracic Disease</i> , 2015 , 7, 252-63	2.6	7
47	Predictors and in-hospital outcomes of preoperative acute kidney injury in patients with type A acute aortic dissection. <i>Journal of Geriatric Cardiology</i> , 2016 , 13, 679-684	1.7	7
46	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	2.7	7
45	Repair of complicated type B dissection with an isolated left vertebral artery using the stented elephant trunk technique. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, 778-82	3	6
44	Frozen Elephant Trunk for Acute Type B Dissection Involving the Distal Arch in the Hybrid Repair Era. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 1182-1188	2.7	6
43	Distal Arch Aneurysm Repair Using Left Subclavian Artery Transposition With Stented Elephant Trunk in the Hybrid Repair Era. <i>Heart Lung and Circulation</i> , 2019 , 28, 814-819	1.8	5
42	Identification and surgical repair of familial thoracic aortic aneurysm and dissection caused by TGFBR1 mutation. <i>Annals of Vascular Surgery</i> , 2014 , 28, 1909-12	1.7	5
41	Relationship between acute kidney injury before thoracic endovascular aneurysm repair and in-hospital outcomes in patients with type B acute aortic dissection. <i>Journal of Geriatric Cardiology</i> , 2015 , 12, 232-8	1.7	5
40	Different hypothermic and cerebral perfusion strategies in extended arch replacement for acute type a aortic dissection: a retrospective comparative study. <i>Journal of Cardiothoracic Surgery</i> , 2020 , 15, 236	1.6	5
39	Roles of noncoding RNAs in the initiation and progression of myocardial ischemia-reperfusion injury. <i>Epigenomics</i> , 2021 , 13, 715-743	4.4	5
38	Blood Transfusion and Acute Kidney Injury After Total Aortic Arch Replacement for Acute Stanford Type A Aortic Dissection. <i>Heart Lung and Circulation</i> , 2022 , 31, 136-143	1.8	5
37	Optimization of the total arch replacement technique: Left subclavian perfusion with sequential aortic reconstruction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, e447-e451	1.5	5
36	Acute Ischemic Pancreatitis Secondary to Aortic Dissection. <i>Annals of Vascular Surgery</i> , 2018 , 52, 85-89	1.7	5

35	Treatment of patients with aortic disease during pregnancy and after delivery. <i>Journal of International Medical Research</i> , 2017 , 45, 1359-1368	1.4	4
34	Cardiopulmonary bypass duration is an independent predictor of adverse outcome in surgical repair for acute type A aortic dissection. <i>Journal of International Medical Research</i> , 2020 , 48, 3000605209684504	1.4	4
33	Mild hypothermic circulatory arrest with selective cerebral perfusion in open arch surgery. <i>Journal of Thoracic Disease</i> , 2021 , 13, 1151-1161	2.6	4
32	Is the frozen elephant trunk technique justified for chronic type A aortic dissection in Marfan syndrome?. <i>Annals of Cardiothoracic Surgery</i> , 2020 , 9, 197-208	4.7	3
31	Endovascular Repair for Thoracic Aortic False Aneurysms: Single-Center Experience in 102 Patients. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1410-7	2.7	3
30	Successful repair of acute type A aortic dissection during pregnancy at 16 gestational week with maternal and fetal survival: A case report and review of the literature. <i>World Journal of Clinical Cases</i> , 2019 , 7, 2843-2850	1.6	3
29	Application of piezoelectric nanogenerator in medicine: bio-experiment and theoretical exploration. <i>Journal of Thoracic Disease</i> , 2014 , 6, 1300-6	2.6	3
28	Is fibrinogen plasma level a risk factor for the first 24-hour death of medically treated acute type A aortic dissection patients?. <i>Annals of Translational Medicine</i> , 2020 , 8, 1015	3.2	3
27	Management of acute type A aortic dissection during COVID-19 outbreak: Experience from Anzhen. <i>Journal of Cardiac Surgery</i> , 2021 , 36, 1659-1664	1.3	3
26	Hybrid Operation for Descending Aortic Pathologies Involving Distal Aortic Arch. <i>Thoracic and Cardiovascular Surgeon</i> , 2016 , 64, 290-5	1.6	2
25	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	3	2
24	Tirofiban Promotes the Proliferation of Human Umbilical Vein Endothelial Cells In Vitro Via Enhanced Vascular Endothelial Growth Factor Expression. <i>Transplantation Proceedings</i> , 2020 , 52, 419-422 ^{1.1}	1.1	2
23	Repair of Distal Aortic Arch Aneurysms by Left Subclavian Artery Transposition with Stented Elephant Trunk Implantation. <i>Annals of Vascular Surgery</i> , 2016 , 32, 98-103	1.7	2
22	Early and Midterm Outcomes of the VSSR procedure with De Paulis valsalva graft: A Chinese single-Center Experience in 38 patients. <i>Journal of Cardiothoracic Surgery</i> , 2015 , 10, 167	1.6	2
21	One-stage hybrid procedure for distal aortic arch disease: mid-term experience at a single center. <i>Journal of Thoracic Disease</i> , 2020 , 12, 7117-7126	2.6	2
20	"Cusp-overlap" technique simplifies the implantation of Chinese domestic transcatheter valve in transcatheter aortic valve implantation. <i>Chinese Medical Journal</i> , 2021 , 134, 976-977	2.9	2
19	Concomitant coronary artery bypass grafting during surgical repair of acute type A aortic dissection affects operative mortality rather than midterm mortality. <i>Asian Journal of Surgery</i> , 2021 , 44, 945-951	1.6	2
18	The use of cIMT as a predictor of postoperative stroke in patients undergoing surgical repair of acute type a aortic dissection. <i>Journal of Cardiothoracic Surgery</i> , 2020 , 15, 60	1.6	2

17	Is Previous Cardiac Surgery a Risk Factor for Short and Mid-term Mortality Following Total Aortic Arch Replacement in Patients with Stanford Type A Aortic Dissection?. <i>Heart Lung and Circulation</i> , 2015 , 24, 1111-7	1.8	1
16	Reply. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 663-664	2.7	1
15	Surgery for mitral regurgitation in patients with aortic root aneurysm: Transaortic or transeptal approach?. <i>International Journal of Cardiology</i> , 2016 , 223, 1059-1065	3.2	1
14	Aorta-Iliac Bypass in Thoracoabdominal Aortic Aneurysm Repair in Young Chinese Patients. <i>Heart Lung and Circulation</i> , 2016 , 25, 398-404	1.8	1
13	One-Stage Repair of Acute Type B Dissection With Ascending Thoracic Aortic Dilatation Using a Stented Elephant Trunk Procedure. <i>Journal of Cardiac Surgery</i> , 2015 , 30, 756-60	1.3	1
12	Relationship Between Renal Function and Renal Artery Involvement in Acute DeBakey Type I Aortic Dissection. <i>Heart Surgery Forum</i> , 2020 , 23, E465-E469	0.7	1
11	The onset of acute type A aortic dissection following recovery of type B intramural haematoma: a case report. <i>BMC Cardiovascular Disorders</i> , 2020 , 20, 162	2.3	1
10	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> , 2021 ,	1.8	1
9	Is obstructive sleep apnoea associated with hypoxaemia and prolonged ICU stay after type A aortic dissection repair? A retrospective study in Chinese population. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 421	2.3	1
8	Repair of Type Ia Endoleaks Involving the Distal Arch Using Left Subclavian Artery-Left Common Carotid Artery Transposition with a Stented Elephant Trunk. <i>Annals of Vascular Surgery</i> , 2020 , 67, 332-337 ¹⁷		0
7	One-Stage Repair of Adult Aortic Coarctation and Concomitant Cardiac Diseases: Ascending to Abdominal Aorta Extra-Anatomical Bypass Combined with Cardiac Surgery. <i>Heart Lung and Circulation</i> , 2019 , 28, 1740-1746	1.8	0
6	Clinical characteristics and risk factors for fatal outcome of patients receiving Sun [®] procedure after previous cardiac surgery. <i>Asian Journal of Surgery</i> , 2021 , 44, 87-92	1.6	0
5	Surgical repair of graft aneurysm following ascending-to-abdominal aortic bypass. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2019 , 5, 183-186	1.1	
4	Branch-first Sun [®] procedure: early experience in patients with aortic dissection and aortic aneurysm. <i>Chinese Medical Journal</i> , 2020 , 133, 1361-1363	2.9	
3	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	2.9	
2	A new simplified volume-loaded heterotopic rabbit heart transplant model with improved techniques and a standard operating procedure. <i>Journal of Thoracic Disease</i> , 2015 , 7, 653-61	2.6	
1	Sun [®] 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	3.2	