

Martin Czerny

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91
papers

2,345
citations

23
h-index

47
g-index

116
ext. papers

3,250
ext. citations

2.7
avg, IF

4.77
L-index

#	Paper	IF	Citations
91	Multimodality imaging of diseases of the thoracic aorta in adults: from the American Society of Echocardiography and the European Association of Cardiovascular Imaging: endorsed by the Society of Cardiovascular Computed Tomography and Society for Cardiovascular Magnetic Resonance. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 119-82	5.8	347
90	Current status and recommendations for use of the frozen elephant trunk technique: a position paper by the Vascular Domain of EACTS. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 759-69	3	184
89	The Impact of Pre-Operative Malperfusion on Outcome in Acute Type A Aortic Dissection: Results From the GERAADA Registry. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 2628-2635	15.1	177
88	Evidence, lack of evidence, controversy, and debate in the provision and performance of the surgery of acute type A aortic dissection. <i>Journal of the American College of Cardiology</i> , 2011 , 58, 2455-74	15.1	172
87	Thoracic Endovascular Aortic Repair (TEVAR) for the treatment of aortic diseases: a position statement from the European Association for Cardio-Thoracic Surgery (EACTS) and the European Society of Cardiology (ESC), in collaboration with the European Association of Percutaneous Cardiovascular Interventions (EAPCI). <i>European Journal of Cardio-thoracic Surgery</i> , 2012 , 42, 1553-62	9.5	165
86	Current options and recommendations for the treatment of thoracic aortic pathologies involving the aortic arch: an expert consensus document of the European Association for Cardio-Thoracic surgery (EACTS) and the European Society for Vascular Surgery (ESVS). <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 133-162	3	146
85	Interdisciplinary expert consensus on management of type B intramural haematoma and penetrating aortic ulcer. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 209-17	3	91
84	Orthotopic branched endovascular aortic arch repair in patients who cannot undergo classical surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 1007-1012	3	57
83	Acute non-A non-B aortic dissection: incidence, treatment and outcome. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 52, 1111-1117	3	48
82	Aorto-bronchial and aorto-pulmonary fistulation after thoracic endovascular aortic repair: an analysis from the European Registry of Endovascular Aortic Repair Complications. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 48, 252-7	3	46
81	The frozen elephant trunk technique for the treatment of acute complicated Type B aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 525-530	3	38
80	Standards of reporting in open and endovascular aortic surgery (STORAGE guidelines). <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 10-20	3	34
79	How does descending aorta geometry change when it dissects?. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 815-821	3	34
78	True-lumen and false-lumen diameter changes in the downstream aorta after frozen elephant trunk implantation. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 375-381	3	32
77	Aortic reinterventions after the frozen elephant trunk procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 392-399.e1	1.5	32
76	Multicentre experience with two frozen elephant trunk prostheses in the treatment of acute aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 572-578	3	30
75	Aortic dissection reconsidered: type, entry site, malperfusion classification adding clarity and enabling outcome prediction. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020 , 30, 451-457	1.8	30

74	Surgical Treatment of Native and Prosthetic Aortic Infection With Xenopericardial Tube Grafts. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 498-504	2.7	29
73	Prediction of mortality rate in acute type A dissection: the German Registry for Acute Type A Aortic Dissection score. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 700-706	3	28
72	Is right axillary artery cannulation safe in type A aortic dissection with involvement of the innominate artery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 152, 801-807.e1	1.5	26
71	Survival and freedom from aortic valve-related reoperation after valve-sparing aortic root replacement in 1015 patients. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 431-8	1.8	25
70	Inaccurate aortic stent graft deployment in the distal landing zone: incidence, reasons and consequences. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 1158-1164	3	25
69	Thoracoabdominal aortic aneurysm repair after frozen elephant trunk procedure. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 47, 115-9; discussion 119	3	22
68	Residual and Progressive Aortic Regurgitation After Valve-Sparing Root Replacement: A Propensity-Matched Multi-Institutional Analysis in 764 Patients. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 1500-6	2.7	20
67	Anatomic feasibility of an endovascular valve-carrying conduit for the treatment of type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 26-34.e1	1.5	20
66	Distal Stent Graft-Induced New Entries After the Frozen Elephant Trunk Procedure. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 1271-1279	2.7	18
65	Current options and recommendations for the use of thoracic endovascular aortic repair in acute and chronic thoracic aortic disease: an expert consensus document of the European Society for Cardiology (ESC) Working Group of Cardiovascular Surgery, the ESC Working Group on Aorta and Peripheral Vascular Diseases, the European Association of Percutaneous Cardiovascular	3	15
64	Abdominal aortic aneurysm neck remodeling after Anaconda stent graft implantation. <i>Journal of Vascular Surgery</i> , 2018 , 68, 1354-1359.e2 <i>Thoracic Surgery</i> , 2021 , 59, 65-73	3.5	14
63	Survival, Neurologic Injury, and Kidney Function after Surgery for Acute Type A Aortic Dissection. <i>Thoracic and Cardiovascular Surgeon</i> , 2016 , 64, 100-7	1.6	14
62	Type A Aortic Dissection in Patients With Bicuspid Aortic Valve Aortopathy. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 94-100	2.7	13
61	Prevalence of type III arch configuration in patients with type B aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 1075-1080	3	12
60	New insights into spinal cord ischaemia after thoracic aortic procedures: the importance of the number of anterior radiculomedullary arteries for surgical outcome. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 149-156	3	12
59	Preoperative neurological deficit in acute type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020 , 30, 613-619	1.8	11
58	Outcome of Near-Infrared Spectroscopy-Guided Selective Shunting During Carotid Endarterectomy in General Anesthesia. <i>Annals of Vascular Surgery</i> , 2019 , 61, 170-177	1.7	11
57	Influence of Age and the Burden of Ischemic Injury on the Outcome of Type A Aortic Dissection Repair. <i>Annals of Thoracic Surgery</i> , 2019 , 108, 1391-1397	2.7	11

56	Accuracy of deployment of the Relay non-bare stent graft in the aortic arch. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 28, 797-802	1.8	10
55	The frozen elephant trunk technique for aortic dissection is safe after previous aortic repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 130-136	3	10
54	Impact of Carotid Artery Involvement in Type A Aortic Dissection. <i>Circulation</i> , 2019 , 139, 1977-1978	16.7	9
53	Wall stress correlates with intimal entry tear localization in Type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018 , 27, 797-801	1.8	9
52	The TEVAR App: a contemporary guide to thoracic endovascular aortic repair□ <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016 , 22, 228-30	1.8	8
51	Outcomes After Thoracic Endovascular Aortic Repair With Overstenting of the Left Subclavian Artery. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 1372-1379	2.7	7
50	Decreased biventricular function following thoracic endovascular aortic repair. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020 , 30, 600-604	1.8	7
49	The Frozen Elephant Trunk Technique for the Treatment of Type B and Type Non-A Non-B Aortic Dissection. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021 , 61, 107-113	2.3	7
48	Aortic Replacement After TEVAR-Diameter Correction With Modified Use of the Siena Prosthesis. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 587-591	2.7	7
47	Landing Zone Remodelling after Endovascular Repair of Dissected Descending Aorta. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020 , 59, 939-945	2.3	6
46	The Cor-Knot device may serve as an ideal radiopaque marker of the annular plane for future valve-in-valve implantation. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1485-6	2.7	6
45	Outcomes of Early-Onset Acute Type A Aortic Dissection - Influence of Etiologic Factors. <i>Circulation Journal</i> , 2019 , 83, 285-294	2.9	6
44	Unequal pressure distribution along the jaws of currently available vascular clamps: do we need a new aortic clamp?. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, 1671-5	3	5
43	Thigh compartment syndrome during extracorporeal life support. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2017 , 5, 859-863	3.2	5
42	How to minimize air embolisms during thoracic endovascular aortic repair with Relay Pro?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020 , 30, 293-295	1.8	5
41	Direct Versus Side Graft Cannulation From the Right Axillary Artery in Thoracic Aortic Surgery. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1433-1440	2.7	5
40	Spinal ischaemia after thoracic endovascular aortic repair with left subclavian artery sacrifice: is there a critical stent graft length?. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 53, 385-391	3	5
39	Morphologic performance analysis of the Relay nonbare stent graft in dissected thoracic aorta. <i>Journal of Vascular Surgery</i> , 2019 , 70, 1390-1398	3.5	4

38	Modelling of predissection aortic size in acute descending aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 124-129	1.8	4
37	Extracellular matrix for reconstruction of cardiac structures after tumour resections. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015 , 20, 10-4	1.8	4
36	Acute Aortic Syndromes: Diagnostic and Therapeutic Pathways. <i>Heart Failure Clinics</i> , 2020 , 16, 305-315	3.3	4
35	A very rare case of late diagnosis of cor triatriatum sinistrum. <i>Journal of Geriatric Cardiology</i> , 2015 , 12, 185-6	1.7	4
34	Evaluation of myocardial injury, the need for vasopressors and inotropic support in beating-heart aortic arch surgery. <i>Journal of Cardiovascular Surgery</i> , 2020 , 61, 505-511	0.7	4
33	Management of acute and chronic aortic disease during the COVID-19 pandemic-Results from a web-based ad hoc platform. <i>Journal of Cardiac Surgery</i> , 2021 , 36, 1683-1692	1.3	4
32	Endovascular repair of ascending aortic diseases with custom-made endografts. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 741-749	3	4
31	Treatment of infectious aortic disease with bovine pericardial tube grafts. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 60, 155-161	3	4
30	Late surgical conversions after abdominal endovascular aortic repair: underlying mechanisms, clinical results and strategies for prevention. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 944-949	1.8	3
29	A truly non-occlusive stent-graft moulding balloon for thoracic endovascular aortic repair. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 352-354	1.8	3
28	A creative transcatheter approach to correct complex recurring mitral regurgitation after previous surgical repair. <i>EuroIntervention</i> , 2016 , 11, e1302-4	3.1	3
27	Intervention rates and outcomes in medically managed uncomplicated descending thoracic aortic dissections. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	3
26	Impact of Intermittent Functional Internal Iliac Artery Occlusion on Spinal Cord Blood Supply during TEVAR. <i>Thoracic and Cardiovascular Surgeon</i> , 2020 , 68, 315-321	1.6	3
25	Reconstruction of the Mediastinum and Tracheopexy for Tracheomalacia in Straight Back Syndrome. <i>Annals of Thoracic Surgery</i> , 2021 , 112, e41-e44	2.7	3
24	Update in aortic dissection. <i>Trends in Cardiovascular Medicine</i> , 2021 ,	6.9	3
23	Redo aortic root repair in patients with infective prosthetic endocarditis using xenopericardial solutions. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 339-343	1.8	2
22	Re: Impact of the entry site on late outcome in acute Stanford type B aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2015 , 48, 662-3	3	2
21	Endo-Bentall for proximal aortic dissection: from conception to application. <i>Asian Cardiovascular and Thoracic Annals</i> , 2021 , 29, 697-700	0.6	2

20	Clinical cases referring to current options and recommendations for the use of thoracic endovascular aortic repair in acute and chronic thoracic aortic disease: an expert consensus document of the European Society for Cardiology (ESC) Working Group of Cardiovascular Surgery, the ESC Working Group on Aorta and Peripheral Vascular Diseases, the European Association of	3	2
19	Multicentre experience with the frozen elephant trunk technique to treat penetrating aortic ulcers involving the aortic arch. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 1238-1244-79	3	2
18	Spinal Ischemia in Thoracic Aortic Procedures: Impact of Radiculomedullary Artery Distribution. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1953-1959	2.7	1
17	Valve-sparing aortic root replacement in a bicuspid aortic valve with papillary fibroelastoma. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017 , 25, 671-673	1.8	1
16	What Is the Best Method to Achieve Safe and Precise Stent-Graft Deployment in Patients Undergoing TEVAR?. <i>Thoracic and Cardiovascular Surgeon</i> , 2021 , 69, 357-361	1.6	1
15	Aortic Arch Anatomy in Candidates for Aortic Arch Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	1
14	Two Aortic Ruptures in Two Months-Role of Cross-Clamp-Associated Late Injury. <i>Annals of Vascular Surgery</i> , 2016 , 32, 129.e17-9	1.7	1
13	Common carotid artery true lumen flow impairment in patients with type A aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 ,	3	1
12	Taking the frozen elephant trunk technique to the next level by a stented side branch for a left subclavian artery connection: a feasibility study. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 59, 1247-1254	3	1
11	Improved creatinine-based early detection of acute kidney injury after cardiac surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 , 33, 19-26	1.8	0
10	The 3-step approach for the treatment of multisegmental thoraco-abdominal aortic pathologies. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 , 33, 269-275	1.8	0
9	Re: "More Attention Needed for the Distal Landing Zone in TEVAR". <i>European Journal of Vascular and Endovascular Surgery</i> , 2019 , 58, 304-305	2.3	
8	Valve-sparing aortic root and aortic arch replacement with self-made xenopericardial grafts for infected hemi-arch prosthesis. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019 , 29, 654-654	1.8	
7	Multimodal functional evaluation of severe kinking of an ascending aortic prosthesis in a patient with embolic stroke. <i>European Heart Journal</i> , 2014 , 35, 1294	9.5	
6	A stabbed aorta!. <i>European Heart Journal</i> , 2014 , 35, 2223	9.5	
5	Can a trainee perform endovascular aortic repair as effectively and safely as an experienced specialist?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020 , 31, 841-846	1.8	
4	"Spades" Sign in Acute Type A Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2019 , 108, e343	2.7	
3	Aberrant Vertebral Artery. <i>Annals of Thoracic Surgery</i> , 2020 , 109, e319	2.7	

- 2 Commentary: Retrograde Type A Aortic Dissection After TEVAR for Type B Aortic Dissection-On the Verge to Oblivion?. *Seminars in Thoracic and Cardiovascular Surgery*, **2021**, 33, 654-655 1.7
- 1 Total aortic arch replacement in the elderly: is the sky the limit?. *European Journal of Cardio-thoracic Surgery*, **2021**, 60, 138-139 3