

Massimo Caputo Frcs

List of Publications by Year in descending order

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Version: 2024-02-01

191
papers

3,359
citations

201385

27
h-index

223531

46
g-index

203
all docs

203
docs citations

203
times ranked

4019
citing authors

#	ARTICLE	IF	CITATIONS
1	Propensity matched analysis of minimally invasive versus conventional isolated aortic valve replacement. <i>Perfusion (United Kingdom)</i> , 2023, 38, 261-269.	0.5	3
2	Machine learning improves mortality risk prediction after cardiac surgery: Systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 2075-2087.e9.	0.4	49
3	Nrf2-Keap-1 imbalance under acute shear stress induces inflammatory response in venous endothelial cells. <i>Perfusion (United Kingdom)</i> , 2022, 37, 582-589.	0.5	7
4	Minimally invasive versus transcatheter closure of secundum atrial septal defects: a systematic review and meta-analysis. <i>Perfusion (United Kingdom)</i> , 2022, 37, 700-710.	0.5	3
5	Exercise training in paediatric congenital heart disease: fit for purpose?. <i>Archives of Disease in Childhood</i> , 2022, 107, 525-534.	1.0	6
6	The use of 3D-printed models in patient communication: a scoping review. <i>Journal of 3D Printing in Medicine</i> , 2022, 6, 13-23.	1.0	15
7	Syndromic and Non-Syndromic Patients with Repaired Tetralogy of Fallot: Does It Affect the Long-Term Outcome?. <i>Journal of Clinical Medicine</i> , 2022, 11, 850.	1.0	3
8	Deep recurrent reinforced learning model to compare the efficacy of targeted local versus national measures on the spread of COVID-19 in the UK. <i>BMJ Open</i> , 2022, 12, e048279.	0.8	5
9	Wharton's Jelly-Mesenchymal Stem Cell-Engineered Conduit for Pulmonary Artery Reconstruction in Growing Piglets. <i>JACC Basic To Translational Science</i> , 2022, 7, 207-219.	1.9	3
10	Surgical outcomes and optimal approach to treatment of aortic valve endocarditis with aortic root abscess. <i>Journal of Cardiac Surgery</i> , 2022, 37, 1917-1925.	0.3	9
11	Feasibility of a longitudinal statistical atlas model to study aortic growth in congenital heart disease. <i>Computers in Biology and Medicine</i> , 2022, 144, 105326.	3.9	8
12	Accelerated Cardiac Aging in Patients With Congenital Heart Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	1.1	2
13	Wharton's Jelly-Mesenchymal Stem Cell-Engineered Conduit for Pediatric Translation in Heart Defect. <i>Tissue Engineering - Part A</i> , 2021, 27, 201-213.	1.6	11
14	Secreted Protein Acidic and Cysteine Rich Matricellular Protein is Enriched in the Bioactive Fraction of the Human Vascular Pericyte Secretome. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1151-1164.	2.5	11
15	A randomized controlled trial comparing controlled reoxygenation and standard cardiopulmonary bypass in paediatric cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 349-358.	0.6	2
16	Body mass index and early outcomes following mitral valve surgery for degenerative disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1765-1773.e2.	0.4	14
17	Aortic valve neocuspidization with autologous pericardium in adult patients: UK experience and meta-analytic comparison with other aortic valve substitutes. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 34-46.	0.6	18
18	Prediction of Bleeding in Pediatric Cardiac Surgery Using Clinical Characteristics and Prospective Coagulation Test Results. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021, , .	0.4	5

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19	Adult coronary artery bypass grafting by congenital surgeons—a propensity matched analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 354-360.	0.6	0
20	Case of placental insufficiency and premature delivery in a Fontan pregnancy: physiological insights and considerations on risk stratification. <i>Open Heart</i> , 2021, 8, e001211.	0.9	2
21	Disparity in clinical outcomes after cardiac surgery between private and public (NHS) payers in England. <i>Lancet Regional Health - Europe, The</i> , 2021, 1, 100003.	3.0	8
22	Determinants of QRS duration in patients with tetralogy of Fallot after pulmonary valve replacement. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1958-1968.	0.3	6
23	Minimally invasive versus conventional sternotomy for Mitral valve repair: protocol for a multicentre randomised controlled trial (UK Mini Mitral). <i>BMJ Open</i> , 2021, 11, e047676.	0.8	8
24	Allogeneic Mesenchymal Stromal Cell Injection to Alleviate Ischemic Heart Failure Following Arterial Switch Operation. <i>JACC: Case Reports</i> , 2021, 3, 724-727.	0.3	1
25	Systematic review and meta-analysis of mortality risk prediction models in adult cardiac surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 673-686.	0.5	7
26	Surgical reconstruction of the right ventricular outflow tract—The clock is still ticking. <i>Journal of Cardiac Surgery</i> , 2021, 36, 3153-3154.	0.3	1
27	The ongoing impact of COVID-19 on adult cardiac surgery and suggestions for safe continuation throughout the pandemic: a review of expert opinions. <i>Perfusion (United Kingdom)</i> , 2021, , 026765912110137.	0.5	2
28	Management of rheumatic aortic valve disease using the Ozaki procedure with autologous pericardium: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab170.	0.3	1
29	Effect of Maternal Prepregnancy/Early Pregnancy Body Mass Index and Pregnancy Smoking and Alcohol on Congenital Heart Diseases: A Parental Negative Control Study. <i>Journal of the American Heart Association</i> , 2021, 10, e020051.	1.6	16
30	A survey of minimally invasive cardiac surgery during the COVID-19 pandemic. <i>Perfusion (United Kingdom)</i> , 2021, 36, 1010-1017.	0.5	1
31	The impact of surgical training on early and long-term outcomes after isolated aortic valve surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, , .	0.6	2
32	Reconstruction of the Swine Pulmonary Artery Using a Graft Engineered With Syngeneic Cardiac Pericytes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 715717.	2.0	5
33	Current Perspectives on Contemporary Rheumatic Mitral Valve Repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2021, 16, 510-516.	0.4	1
34	Risk Factors of Right Ventricular Dysfunction and Adverse Cardiac Events in Patients with Repaired Tetralogy of Fallot. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10549.	1.2	3
35	Enhanced 3D visualization for planning biventricular repair of double outlet right ventricle: a pilot study on the advantages of virtual reality. <i>European Heart Journal Digital Health</i> , 2021, 2, 667-675.	0.7	7
36	Educational attainment in patients with congenital heart disease: a comprehensive systematic review and meta-analysis. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 549.	0.7	12

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37	The SARS-CoV-2 Spike protein disrupts human cardiac pericytes function through CD147 receptor-mediated signalling: a potential non-infective mechanism of COVID-19 microvascular disease. <i>Clinical Science</i> , 2021, 135, 2667-2689.	1.8	97
38	Wave Reflection and Ventriculo-Arterial Coupling in Bicuspid Aortic Valve Patients With Repaired Aortic Coarctation. <i>Frontiers in Pediatrics</i> , 2021, 9, 770754.	0.9	3
39	Role of 3D printing technology in paediatric teaching and training: a systematic review. <i>BMJ Paediatrics Open</i> , 2021, 5, e001050.	0.6	5
40	MicroRNAs as potential biomarkers in congenital heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1532-1540.e7.	0.4	12
41	Minimally invasive versus conventional surgery of the ascending aorta and root: a systematic review and meta-analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 8-17.	0.6	27
42	Type A acute aortic dissection repair during night time: is it safe?. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 36, 114-118.	0.2	2
43	Outcomes following aortic valve procedures in 201 complex congenital heart disease cases—results from the UK National Audit. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 547-554.	0.5	2
44	BISMICS consensus statement: implementing a safe minimally invasive mitral programme in the UK healthcare setting. <i>Open Heart</i> , 2020, 7, e001259.	0.9	6
45	Mini-sternotomy vs right anterior thoracotomy for aortic valve replacement. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1570-1582.	0.3	19
46	Intermittent antegrade warm-blood versus cold-blood cardioplegia in children undergoing open heart surgery: a protocol for a randomised controlled study (Thermic-3). <i>BMJ Open</i> , 2020, 10, e036974.	0.8	4
47	COVID-19, State of the Adult and Pediatric Heart: From Myocardial Injury to Cardiac Effect of Potential Therapeutic Intervention. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 140.	1.1	9
48	Rapid Prototyping Flexible Aortic Models Aids Sizing of Valve Leaflets and Planning the Ozaki Repair. <i>JACC: Case Reports</i> , 2020, 2, 1137-1140.	0.3	6
49	NF- κ B inhibition prevents acute shear stress-induced inflammation in the saphenous vein graft endothelium. <i>Scientific Reports</i> , 2020, 10, 15133.	1.6	24
50	A Protocol for a Novel Human Ex Vivo Model of Aneurysm. <i>STAR Protocols</i> , 2020, 1, 100108.	0.5	1
51	Trend in morbidity and mortality in surgical aortic valve replacement: a retrospective, observational, single-centre study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 796-802.	0.5	6
52	Anomalous Left Atrial Drainage of the Vena Cava in an Adult French Bulldog. <i>Case</i> , 2020, 4, 146-151.	0.1	0
53	The Peacock study: feasibility of the dynamic characterisation of the paediatric hypothalamic-pituitary-adrenal function during and after cardiac surgery. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 245.	0.7	8
54	Commentary: The conundrum of pulmonary valve substitutes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 488-489.	0.4	0

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55	Age over 35 years is associated with increased mortality after pulmonary valve replacement in repaired tetralogy of Fallot: results from the UK National Congenital Heart Disease Audit database. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, 825-831.	0.6	6
56	Agrin-Mediated Cardiac Regeneration: Some Open Questions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 594.	2.0	9
57	In Vitro and In Vivo Preclinical Testing of Pericyte-Engineered Grafts for the Correction of Congenital Heart Defects. <i>Journal of the American Heart Association</i> , 2020, 9, e014214.	1.6	14
58	Rare case of diaphragmatic rupture following resuscitation in a pregnant woman first in literature. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 44.	0.4	3
59	Saphenous vein graft disease, pathophysiology, prevention, and treatment. A review of the literature. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1314-1321.	0.3	22
60	Comparison of outcomes between minimally invasive and median sternotomy for double and triple valve surgery: A meta-analysis. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1209-1219.	0.3	4
61	Umbilical Cord Pericytes Provide a Viable Alternative to Mesenchymal Stem Cells for Neonatal Vascular Engineering. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 609980.	1.1	3
62	Feasibility of Wave Intensity Analysis in Patients With Conotruncal Anomalies Before and After Pregnancy: New Physiological Insights?. <i>Frontiers in Pediatrics</i> , 2020, 8, 557407.	0.9	1
63	Ascertaining and classifying cases of congenital anomalies in the ALSPAC birth cohort. <i>Wellcome Open Research</i> , 2020, 5, 231.	0.9	8
64	miR-96 and miR-183 differentially regulate neonatal and adult postinfarct neovascularization. <i>JCI Insight</i> , 2020, 5, .	2.3	14
65	Ascertaining and classifying cases of congenital anomalies in the ALSPAC birth cohort. <i>Wellcome Open Research</i> , 2020, 5, 231.	0.9	8
66	Changes in inflammation and oxidative stress signalling pathways in coarcted aorta triggered by bicuspid aortic valve and growth in young children. <i>Experimental and Therapeutic Medicine</i> , 2020, 20, 1-1.	0.8	4
67	Commentary: On the road toward routine use of 3-dimensional techniques in complex congenital surgery. <i>JTCVS Techniques</i> , 2020, 1, 88-89.	0.2	0
68	Abstract 15083: Exercise Left Ventricular Ejection Fraction Predicts Long-term Brain Natriuretic Peptide Levels in Patients Undergoing Surgery for Severe Secondary Ischemic Mitral Regurgitation. <i>Circulation</i> , 2020, 142, .	1.6	0
69	External validation of the improving partial risk adjustment in surgery (PRAIS-2) model for 30-day mortality after paediatric cardiac surgery. <i>BMJ Open</i> , 2020, 10, e039236.	0.8	5
70	Comparison of the survival between coronary artery bypass graft surgery versus percutaneous coronary intervention in patients with poor left ventricular function (ejection fraction $\leq 30\%$): a propensity-matched analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 238-246.	0.6	20
71	Successful Reconstruction of the Right Ventricular Outflow Tract by Implantation of Thymus Stem Cell Engineered Graft in Growing Swine. <i>JACC Basic To Translational Science</i> , 2019, 4, 364-384.	1.9	12
72	Direct Arterial Cannulation Allows Easy and Safe Continuous Selective Cerebral Perfusion During Repair of Interrupted Aortic Arch Even for Low Birth Weight Neonates. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2019, 10, 464-468.	0.3	2

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73	The Effect of Matrix Stiffness of Biomimetic Gelatin Nanofibrous Scaffolds on Human Cardiac Pericyte Behavior. <i>ACS Applied Bio Materials</i> , 2019, 2, 4385-4396.	2.3	5
74	Arterial switch procedure and hybrid muscular ventricular septal defect closure in a patient with d-transposition of the great arteries and multiple ventricular septal defects: a case report and literature review. <i>Cardiology in the Young</i> , 2019, 29, 1530-1532.	0.4	0
75	Towards a narrative cardiology: exploring, holding and re-presenting narratives of heart disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, 73-77.	0.7	3
76	Use of 3D Models in the Surgical Decision-Making Process in a Case of Double-Outlet Right Ventricle With Multiple Ventricular Septal Defects. <i>Frontiers in Pediatrics</i> , 2019, 7, 330.	0.9	14
77	Multicenter Experience With 500 CardioCel Implants Used for the Repair of Congenital Heart Defects. <i>Annals of Thoracic Surgery</i> , 2019, 108, 1883-1888.	0.7	17
78	Differences in Pregnancy Metabolic Profiles and Their Determinants between White European and South Asian Women: Findings from the Born in Bradford Cohort. <i>Metabolites</i> , 2019, 9, 190.	1.3	39
79	Are racial differences in hospital mortality after coronary artery bypass graft surgery real? A risk-adjusted meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 2216-2225.e4.	0.4	29
80	Reconstruction of the pulmonary artery by a novel biodegradable conduit engineered with perinatal stem cell-derived vascular smooth muscle cells enables physiological vascular growth in a large animal model of congenital heart disease. <i>Biomaterials</i> , 2019, 217, 119284.	5.7	18
81	Three-dimensional printing in congenital heart disease: Considerations on training and clinical implementation from a teaching session. <i>International Journal of Artificial Organs</i> , 2019, 42, 595-599.	0.7	10
82	Bicuspid Aortic Valve Alters Aortic Protein Expression Profile in Neonatal Coarctation Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 517.	1.0	4
83	Evaluating 3D-printed models of coronary anomalies: a survey among clinicians and researchers at a university hospital in the UK. <i>BMJ Open</i> , 2019, 9, e025227.	0.8	23
84	Cupidâ€™s arrow retained in the heart. <i>Journal of Thoracic Disease</i> , 2019, 11, E1-E3.	0.6	1
85	Optimisation of laboratory methods for whole transcriptomic RNA analyses in human left ventricular biopsies and blood samples of clinical relevance. <i>PLoS ONE</i> , 2019, 14, e0213685.	1.1	9
86	Selective versus standard cerebroâ€™myocardial perfusion in neonates undergoing aortic arch repair: A multicenter study. <i>Artificial Organs</i> , 2019, 43, 728-735.	1.0	12
87	Determinants of aortic growth rate in patients with bicuspid aortic valve by cardiovascular magnetic resonance. <i>Open Heart</i> , 2019, 6, e001095.	0.9	3
88	â€™Off pumpâ€™ self-expanding injectable tissue valves (IPVR) versus â€™on pumpâ€™ conventional tissue valves (PVR) for replacement of the pulmonary valve: trial protocol for a randomised controlled trial (InViTe trial). <i>BMJ Open</i> , 2019, 9, e026221.	0.8	1
89	Longâ€™Term Comparison Between Pulmonary Homograft Versus Bioprosthesis for Pulmonary Valve Replacement in Tetralogy of Fallot. <i>Journal of the American Heart Association</i> , 2019, 8, e013654.	1.6	23
90	Aortic morphological variability in patients with bicuspid aortic valve and aortic coarctation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 704-713.	0.6	27

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91	Current and future applications of 3D printing in congenital cardiology and cardiac surgery. British Journal of Radiology, 2019, 92, 20180389.	1.0	30
92	Normothermic versus hypothermic cardiopulmonary bypass in low-risk paediatric heart surgery: a randomised controlled trial. Heart, 2019, 105, 455-464.	1.2	16
93	Amnion-Based Scaffold with Enhanced Strength and Biocompatibility for <i>In Vivo</i> Vascular Repair. Tissue Engineering - Part A, 2019, 25, 603-619.	1.6	16
94	The cardiac proteome in patients with congenital ventricular septal defect: A comparative study between right atria and right ventricles. Journal of Proteomics, 2019, 191, 107-113.	1.2	7
95	Three-Dimensional Printing of Fetal Models of Congenital Heart Disease Derived From Microfocus Computed Tomography: A Case Series. Frontiers in Pediatrics, 2019, 7, 567.	0.9	18
96	Changes in contractile protein expression are linked to ventricular stiffness in infants with pulmonary hypertension or right ventricular hypertrophy due to congenital heart disease. Open Heart, 2018, 5, e000716.	0.9	15
97	Incomplete revascularization and long-term survival after coronary artery bypass surgery. International Journal of Cardiology, 2018, 254, 59-63.	0.8	28
98	Impact of body mass index on outcomes following mitral surgery: does an obesity paradox exist? Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 590-595.	0.5	20
99	New-generation stents compared with coronary bypass surgery for unprotected left main disease: A word of caution. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 2013-2019.e16.	0.4	5
100	Predictors of survival in octogenarians after mitral valve surgery for degenerative disease: The Mitral Surgery in Octogenarians study. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1474-1482.e2.	0.4	29
101	Steroids in paediatric heart surgery: eminence or evidence-based practice?. Indian Journal of Thoracic and Cardiovascular Surgery, 2018, 34, 483-487.	0.2	1
102	Thymus-Derived Mesenchymal Stem Cells for Tissue Engineering Clinical-Grade Cardiovascular Grafts. Tissue Engineering - Part A, 2018, 24, 794-808.	1.6	17
103	Comparison of Outcomes for Off-Pump Versus On-Pump Coronary Artery Bypass Grafting in Low-Volume and High-Volume Centers and by Low-Volume and High-Volume Surgeons. American Journal of Cardiology, 2018, 121, 552-557.	0.7	65
104	Case report and management approach in idiopathic pulmonary arteries aneurysm. Journal of Cardiothoracic Surgery, 2018, 13, 110.	0.4	10
105	Propensity-matched analysis of outcomes after mitral valve surgery between trainees and consultants (institutional report). Interactive Cardiovascular and Thoracic Surgery, 2018, 26, 443-447.	0.5	8
106	Exercise Hemodynamic and Functional Capacity After Mitral Valve Replacement in Patients With Ischemic Mitral Regurgitation. Circulation: Heart Failure, 2018, 11, e004056.	1.6	13
107	Enlightening the Association between Bicuspid Aortic Valve and Aortopathy. Journal of Cardiovascular Development and Disease, 2018, 5, 21.	0.8	15
108	Corticosteroids in Pediatric Heart Surgery: Myth or Reality. Frontiers in Pediatrics, 2018, 6, 112.	0.9	20

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109	miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. <i>Molecular Therapy</i> , 2018, 26, 1694-1705.	3.7	33
110	Abstract 230: Repair of Aortic Coarctation in Neonates Less than Two Kilogram. <i>Circulation Research</i> , 2018, 123, .	2.0	0
111	Long-term survival after off-pump versus on-pump coronary artery bypass graft surgery. Does completeness of revascularization play a role?. <i>International Journal of Cardiology</i> , 2017, 246, 32-36.	0.8	21
112	Malperfusion rather than merely timing of operative repair determines early and late outcome in type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 81-86.	0.4	45
113	Carbon Dioxide Insufflation During Cardiac Surgery: A Meta-analysis of Randomized Controlled Trials. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2017, 29, 301-310.	0.4	13
114	Is the right internal thoracic artery superior to saphenous vein for grafting the right coronary artery? A propensity score-based analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 1269-1275.e5.	0.4	15
115	How Safe Is it to Train Residents to Perform Coronary Surgery With Multiple Arterial Grafting? Nineteen Years of Training at a Single Institution. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2017, 29, 12-22.	0.4	8
116	Modulating microRNAs in cardiac surgery patients: Novel therapeutic opportunities?. , 2017, 170, 192-204.		13
117	Initial Experience with Elective Periventricular Melody Valve Placement in Small Patients. <i>Pediatric Cardiology</i> , 2017, 38, 575-581.	0.6	17
118	Activation and inflammation of the venous endothelium in vein graft disease. <i>Atherosclerosis</i> , 2017, 265, 266-274.	0.4	53
119	Impact of multiple arterial grafts in off-pump and on-pump coronary artery bypass surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 300-309.e6.	0.4	15
120	Right internal thoracic artery or radial artery? A propensity-matched comparison on the second-best arterial conduit. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 79-88.e4.	0.4	18
121	Hybrid Surgery Options for Complex Clinical Scenarios in Adult Patients with Congenital Heart Disease: Three Case Reports. <i>Frontiers in Surgery</i> , 2017, 4, 7.	0.6	3
122	Severe Aortic Stenosis and Severe Coarctation of the Aorta: A Hybrid Approach to Treatment. <i>Frontiers in Surgery</i> , 2017, 4, 16.	0.6	4
123	Editorial: The Developments of Hybrid Surgical Strategies for Congenital Heart Disease. <i>Frontiers in Surgery</i> , 2017, 4, 55.	0.6	2
124	Impact of Isolated Tricuspid Valve Repair on Right Ventricular Remodelling in an Adult Congenital Heart Disease Population. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 21.	1.1	2
125	The Perception of a Three-Dimensional-Printed Heart Model from the Perspective of Different Stakeholders: A Complex Case of Truncus Arteriosus. <i>Frontiers in Pediatrics</i> , 2017, 5, 209.	0.9	29
126	Minimally invasive aortic valve replacement in high risk patient groups. <i>Journal of Thoracic Disease</i> , 2017, 9, 1672-1696.	0.6	19

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127	Off- vs. on-pump coronary artery bypass graft surgery on hospital outcomes in 134,117 octogenarians. <i>Journal of Thoracic Disease</i> , 2017, 9, 5085-5092.	0.6	15
128	Off-pump versus on-pump coronary artery bypass surgery in patients with actively treated diabetes and multivessel coronary disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1321-1330.e12.	0.4	24
129	The effect of obesity on survival in patients undergoing coronary artery bypass graft surgery who receive a radial artery. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 51, ezw323.	0.6	2
130	Are three arteries better than two? Impact of using the radial artery in addition to bilateral internal thoracic artery grafting on long-term survival. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 862-869.e2.	0.4	29
131	First successful trans-catheter aortic-valve replacement for native aortic stenosis in atrio-pulmonary Fontan. <i>International Journal of Cardiology</i> , 2016, 222, 963-964.	0.8	8
132	Hybrid pulmonary artery plication followed by transcatheter pulmonary valve replacement: Comparison with surgical PVR. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 88, 804-810.	0.7	49
133	Surgical repair of left ventricular pseudoaneurysm following periventricular device closure of muscular ventricular septal defect. <i>Journal of Cardiac Surgery</i> , 2016, 31, 697-699.	0.3	6
134	Right internal thoracic artery versus radial artery as the second best arterial conduit: Insights from a meta-analysis of propensity-matched data on long-term survival. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1083-1091.e15.	0.4	33
135	Aortic Valve Replacement and the Ross Operation in Children and Young Adults. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2858-2870.	1.2	146
136	State of the art in coronary revascularization: Everolimus eluting stents versus multiple arterial grafting. <i>International Journal of Cardiology</i> , 2016, 219, 345-349.	0.8	6
137	Extended Application of the Hybrid Procedure in Neonates with Left-Sided Obstructive Lesions in an Evolving Cardiac Program. <i>Pediatric Cardiology</i> , 2016, 37, 465-471.	0.6	9
138	Chronic hypoxia down-regulates tight junction protein ZO-2 expression in children with cyanotic congenital heart defect. <i>ESC Heart Failure</i> , 2016, 3, 131-137.	1.4	9
139	Outcomes following repair of anomalous coronary artery from the pulmonary artery in infants: results from a procedure-based national database. <i>Open Heart</i> , 2015, 2, e000277.	0.9	9
140	Long-term outcome of periventricular device closure of muscular ventricular septal defects in children. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 998-1005.	0.7	27
141	Stem cell therapy and tissue engineering for correction of congenital heart disease. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 39.	1.8	35
142	Non coding RNAs in aortic aneurysmal disease. <i>Frontiers in Genetics</i> , 2015, 6, 125.	1.1	35
143	Recent Development in Pulmonary Valve Replacement after Tetralogy of Fallot Repair: The Emergence of Hybrid Approaches. <i>Frontiers in Surgery</i> , 2015, 2, 22.	0.6	20
144	Gab1 Is Modulated by Chronic Hypoxia in Children with Cyanotic Congenital Heart Defect and Its Overexpression Reduces Apoptosis in Rat Neonatal Cardiomyocytes. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	3

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145	Cardioprotection during Adult and Pediatric Open Heart Surgery. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	2
146	Circulating MicroRNAs as New Biomarkers of Ischaemia/Reperfusion Injury during Cardiac Surgery. <i>Cardiology</i> , 2015, 130, 234-236.	0.6	2
147	Determinants of functional capacity after mitral valve annuloplasty or replacement for ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 1595-1603.	0.4	16
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