

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 | Predictors of Atrial Fibrillation After Conventional and Beating Heart Coronary Surgery. <i>Circulation</i> , 2000, 102, 1530-1535. | 1.6 | 265 |
| 2 | 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 |
| 3 | 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 |
| 4 | Randomized Comparison Between Normothermic and Hypothermic Cardiopulmonary Bypass in Pediatric Open-Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2005, 80, 982-988. | 0.7 | 83 |
| 5 | Preoperative anemia increases mortality and postoperative morbidity after cardiac surgery. <i>Journal of Cardiothoracic Surgery</i> , 2014, 9, 137. | 0.4 | 83 |
| 6 | The effects of normoxic versus hyperoxic cardiopulmonary bypass on oxidative stress and inflammatory response in cyanotic pediatric patients undergoing open cardiac surgery: A randomized controlled trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 206-214. | 0.4 | 70 |
| 7 | Thoracic Epidural Anesthesia Improves Early Outcomes in Patients Undergoing Off-pump Coronary Artery Bypass Surgery. <i>Anesthesiology</i> , 2011, 114, 380-390. | 1.3 | 66 |
| 8 | 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. <i>American Journal of Cardiology</i> , 2018, 121, 552-557. | 0.7 | 65 |
| 9 | Expansion and Characterization of Neonatal Cardiac Pericytes Provides a Novel Cellular Option for Tissue Engineering in Congenital Heart Disease. <i>Journal of the American Heart Association</i> , 2015, 4, e002043. | 1.6 | 64 |
| 10 | Activation and inflammation of the venous endothelium in vein graft disease. <i>Atherosclerosis</i> , 2017, 265, 266-274. | 0.4 | 53 |
| 11 | 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 |
| 12 | 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 |
| 13 | Relationship of aortic pulse wave velocity and baroreceptor reflex sensitivity to blood pressure control in patients with repaired coarctation of the aorta. <i>American Heart Journal</i> , 2011, 162, 398-404. | 1.2 | 48 |
| 14 | Controlled reoxygenation during cardiopulmonary bypass decreases markers of organ damage, inflammation, and oxidative stress in single-ventricle patients undergoing pediatric heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 792-801.e8. | 0.4 | 48 |
| 15 | Transcriptomic analysis of patients with tetralogy of Fallot reveals the effect of chronic hypoxia on myocardial gene expression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 140, 337-345.e26. | 0.4 | 47 |
| 16 | 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 |
| 17 | MicroRNAs in congenital heart disease. <i>Annals of Translational Medicine</i> , 2015, 3, 333. | 0.7 | 45 |
| 18 | Training residents in off-pump coronary artery bypass surgery: A 14-year experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 1247-1253.e1. | 0.4 | 40 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Combined clopidogrel and aspirin treatment up to surgery increases the risk of postoperative myocardial infarction, blood loss and reoperation for bleeding in patients undergoing coronary artery bypass grafting. European Journal of Cardio-thoracic Surgery, 2013, 43, 722-728. | 0.6 | 40 |
| 20 | Differences in Pregnancy Metabolic Profiles and Their Determinants between White European and South Asian Women: Findings from the Born in Bradford Cohort. Metabolites, 2019, 9, 190. | 1.3 | 39 |
| 21 | Stem cell therapy and tissue engineering for correction of congenital heart disease. Frontiers in Cell and Developmental Biology, 2015, 3, 39. | 1.8 | 35 |
| 22 | Non coding RNAs in aortic aneurysmal disease. Frontiers in Genetics, 2015, 6, 125. | 1.1 | 35 |
| 23 | 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. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 1083-1091.e15. | 0.4 | 33 |
| 24 | miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. Molecular Therapy, 2018, 26, 1694-1705. | 3.7 | 33 |
| 25 | Occult renal dysfunction: a mortality and morbidity risk factor in coronary artery bypass grafting surgery. Journal of Thoracic and Cardiovascular Surgery, 2011, 141, 771-776. | 0.4 | 30 |
| 26 | Current and future applications of 3D printing in congenital cardiology and cardiac surgery. British Journal of Radiology, 2019, 92, 20180389. | 1.0 | 30 |
| 27 | Are three arteries better than two? Impact of using the radial artery in addition to bilateral internal thoracic artery grafting on long-term survival. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 862-869.e2. | 0.4 | 29 |
| 28 | The Perception of a Three-Dimensional-Printed Heart Model from the Perspective of Different Stakeholders: A Complex Case of Truncus Arteriosus. Frontiers in Pediatrics, 2017, 5, 209. | 0.9 | 29 |
| 29 | 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 |
| 30 | Are racial differences in hospital mortality after coronary artery bypass graft surgery real? A risk-adjusted meta-analysis. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 2216-2225.e4. | 0.4 | 29 |
| 31 | On-pump and off-pump coronary artery bypass grafting in patients with left main stem disease: A propensity score analysis. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 1382-1388. | 0.4 | 28 |
| 32 | Incomplete revascularization and long-term survival after coronary artery bypass surgery. International Journal of Cardiology, 2018, 254, 59-63. | 0.8 | 28 |
| 33 | The evolution of training in Off-Pump coronary surgery in a single institution. Annals of Thoracic Surgery, 2002, 74, 1403-1407. | 0.7 | 27 |
| 34 | Myocardial protection with intermittent cold blood during aortic valve operation: antegrade versus retrograde delivery. Annals of Thoracic Surgery, 2003, 76, 1227-1233. | 0.7 | 27 |
| 35 | Surgical Approach for Aortic Coarctation Influences Arterial Compliance and Blood Pressure Control. Annals of Thoracic Surgery, 2010, 90, 600-604. | 0.7 | 27 |
| 36 | Long-term outcome of percutaneous device closure of muscular ventricular septal defects in children. Catheterization and Cardiovascular Interventions, 2015, 85, 998-1005. | 0.7 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | A Clinical Score to Predict the Need for Intraaortic Balloon Pump in Patients Undergoing Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2010, 90, 522-526. | 0.7 | 26 |
| 40 | Restrictive mitral valve annuloplasty versus mitral valve replacement for functional ischemic mitral regurgitation: An exercise echocardiographic study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 447-453.e2. | 0.4 | 26 |
| 41 | MicroRNAs in vascular tissue engineering and post-ischemic neovascularization. <i>Advanced Drug Delivery Reviews</i> , 2015, 88, 78-91. | 6.6 | 26 |
| 42 | Does the persistence of pulsatile antegrade pulmonary blood flow following bidirectional Glenn procedure affect long term outcome? <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 154-158. | 0.6 | 25 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | Long-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 |
| 47 | 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 |
| 48 | 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 |
| 49 | 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 |
| 50 | Impact of body mass index on outcomes following mitral surgery: does an obesity paradox exist? <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 590-595. | 0.5 | 20 |
| 51 | Corticosteroids in Pediatric Heart Surgery: Myth or Reality. <i>Frontiers in Pediatrics</i> , 2018, 6, 112. | 0.9 | 20 |
| 52 | 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 |
| 53 | Common arterial trunk: review of surgical strategies and future research. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 1527-1538. | 0.6 | 19 |
| 54 | Mild renal dysfunction in patients undergoing cardiac surgery as a new risk factor for EuroSCORE. <i>Heart</i> , 2011, 97, 362-365. | 1.2 | 19 |

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|----|--|-----|-----------|
| 55 | Protein Phosphatase 1 Beta is Modulated by Chronic Hypoxia and Involved in the Angiogenic Endothelial Cell Migration. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 384-394. | 1.1 | 19 |
| 56 | Minimally invasive aortic valve replacement in high risk patient groups. <i>Journal of Thoracic Disease</i> , 2017, 9, 1672-1696. | 0.6 | 19 |
| 57 | Mini-esternotomy vs right anterior thoracotomy for aortic valve replacement. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1570-1582. | 0.3 | 19 |
| 58 | Controlled reoxygenation cardiopulmonary bypass is associated with reduced transcriptomic changes in cyanotic tetralogy of Fallot patients undergoing surgery. <i>Physiological Genomics</i> , 2012, 44, 1098-1106. | 1.0 | 18 |
| 59 | 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 |
| 60 | 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 |
| 61 | Three-Dimensional Printing of Fetal Models of Congenital Heart Disease Derived From Microfocus Computed Tomography: A Case Series. <i>Frontiers in Pediatrics</i> , 2019, 7, 567. | 0.9 | 18 |
| 62 | 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 |
| 63 | Initial Experience with Elective Periventricular Melody Valve Placement in Small Patients. <i>Pediatric Cardiology</i> , 2017, 38, 575-581. | 0.6 | 17 |
| 64 | Thymus-Derived Mesenchymal Stem Cells for Tissue Engineering Clinical-Grade Cardiovascular Grafts. <i>Tissue Engineering - Part A</i> , 2018, 24, 794-808. | 1.6 | 17 |
| 65 | 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 |
| 66 | Effect of normothermic cardiopulmonary bypass on renal injury in pediatric cardiac surgery: A randomized controlled trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 1114-1121.e2. | 0.4 | 16 |
| 67 | Pulmonary valve implantation using self-expanding tissue valve without cardiopulmonary bypass reduces operation time and blood product use. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1040-1045. | 0.4 | 16 |
| 68 | 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 |
| 69 | Normothermic versus hypothermic cardiopulmonary bypass in low-risk paediatric heart surgery: a randomised controlled trial. <i>Heart</i> , 2019, 105, 455-464. | 1.2 | 16 |
| 70 | Amnion-Based Scaffold with Enhanced Strength and Biocompatibility for <i>In Vivo</i> Vascular Repair. <i>Tissue Engineering - Part A</i> , 2019, 25, 603-619. | 1.6 | 16 |
| 71 | 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 |
| 72 | 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 |

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|----|--|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | Changes in contractile protein expression are linked to ventricular stiffness in infants with pulmonary hypertension or right ventricular hypertrophy due to congenital heart disease. <i>Open Heart</i> , 2018, 5, e000716. | 0.9 | 15 |
| 76 | Enlightening the Association between Bicuspid Aortic Valve and Aortopathy. <i>Journal of Cardiovascular Development and Disease</i> , 2018, 5, 21. | 0.8 | 15 |
| 77 | 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 |
| 78 | 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 |
| 79 | 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 |
| 80 | 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 |
| 81 | miR-96 and miR-183 differentially regulate neonatal and adult postinfarct neovascularization. <i>JCI Insight</i> , 2020, 5, . | 2.3 | 14 |
| 82 | 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 |
| 83 | Modulating microRNAs in cardiac surgery patients: Novel therapeutic opportunities?. , 2017, 170, 192-204. | | 13 |
| 84 | Exercise Hemodynamic and Functional Capacity After Mitral Valve Replacement in Patients With Ischemic Mitral Regurgitation. <i>Circulation: Heart Failure</i> , 2018, 11, e004056. | 1.6 | 13 |
| 85 | Changes in renal medulla gene expression in a pre-clinical model of post cardiopulmonary bypass acute kidney injury. <i>BMC Genomics</i> , 2014, 15, 916. | 1.2 | 12 |
| 86 | 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 |
| 87 | Selective versus standard cerebro-myocardial perfusion in neonates undergoing aortic arch repair: A multi-center study. <i>Artificial Organs</i> , 2019, 43, 728-735. | 1.0 | 12 |
| 88 | MicroRNAs as potential biomarkers in congenital heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1532-1540.e7. | 0.4 | 12 |
| 89 | 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 |
| 90 | Annular Abscesses and GRF Glue. <i>Journal of Cardiac Surgery</i> , 1994, 9, 357-360. | 0.3 | 11 |

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|-----|--|-----|-----------|
| 91 | Pregnancy outcome and follow-up cardiac outcome in women with aortic valve replacement. <i>Obstetric Medicine</i> , 2014, 7, 29-33. | 0.5 | 11 |
| 92 | Surgery for simple and complex subaortic stenosis in children and young adults: Results from a prospective, procedure-based national database. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2618-2626. | 0.4 | 11 |
| 93 | 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 |
| 94 | 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 |
| 95 | Normothermic Versus Hypothermic Cardiopulmonary Bypass in Children Undergoing Open Heart Surgery (Thermic-2): Study Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2015, 4, e59. | 0.5 | 11 |
| 96 | Superior haemodynamic stability during off-pump coronary surgery with thoracic epidural anaesthesia: results from a prospective randomized controlled trial. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 16, 602-607. | 0.5 | 10 |
| 97 | Case report and management approach in idiopathic pulmonary arteries aneurysm. <i>Journal of Cardiothoracic Surgery</i> , 2018, 13, 110. | 0.4 | 10 |
| 98 | 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 |
| 99 | 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 |
| 100 | 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 |
| 101 | Chronic hypoxia downregulates tight junction protein ZO2 expression in children with cyanotic congenital heart defect. <i>ESC Heart Failure</i> , 2016, 3, 131-137. | 1.4 | 9 |
| 102 | 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 |
| 103 | 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 |
| 104 | Aggrin-Mediated Cardiac Regeneration: Some Open Questions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 594. | 2.0 | 9 |
| 105 | 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 |
| 106 | Detection of coagulopathy in paediatric heart surgery [DECISION study]: study protocol. <i>BMC Hematology</i> , 2015, 15, 11. | 2.6 | 8 |
| 107 | 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 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Propensity-matched analysis of outcomes after mitral valve surgery between trainees and consultants (institutional report). <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 443-447. | 0.5 | 8 |
| 110 | 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 |
| 111 | Disparity in clinical outcomes after cardiac surgery between private and public (NHS) payers in England. <i>Lancet Regional Health - Europe</i> , The, 2021, 1, 100003. | 3.0 | 8 |
| 112 | Ascertaining and classifying cases of congenital anomalies in the ALSPAC birth cohort. <i>Wellcome Open Research</i> , 2020, 5, 231. | 0.9 | 8 |
| 113 | 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 |
| 114 | Ascertaining and classifying cases of congenital anomalies in the ALSPAC birth cohort. <i>Wellcome Open Research</i> , 2020, 5, 231. | 0.9 | 8 |
| 115 | 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 |
| 116 | Survival in a 2-year-old boy with hemorrhage secondary to an aorto-esophageal fistula. <i>Journal of Pediatric Surgery</i> , 2011, 46, 2394-2396. | 0.8 | 7 |
| 117 | Tricuspid Atresia With Truncus Arteriosus: Successful Surgical Treatment. <i>Annals of Thoracic Surgery</i> , 2014, 98, 721-723. | 0.7 | 7 |
| 118 | The cardiac proteome in patients with congenital ventricular septal defect: A comparative study between right atria and right ventricles. <i>Journal of Proteomics</i> , 2019, 191, 107-113. | 1.2 | 7 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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 |
| 122 | Health and Well-Being in Surviving Congenital Heart Disease Patients: An Umbrella Review With Synthesis of Best Evidence. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, . | 1.1 | 7 |
| 123 | Surgical repair of left ventricular pseudoaneurysm following percutaneous device closure of muscular ventricular septal defect. <i>Journal of Cardiac Surgery</i> , 2016, 31, 697-699. | 0.3 | 6 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

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|-----|---|-----|-----------|
| 127 | 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 |
| 128 | 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 |
| 129 | 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 |
| 130 | Exercise training in paediatric congenital heart disease: fit for purpose?. <i>Archives of Disease in Childhood</i> , 2022, 107, 525-534. | 1.0 | 6 |
| 131 | The Ross Operation in Children and Young Adults. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2014, 5, 406-412. | 0.3 | 5 |
| 132 | New-generation stents compared with coronary bypass surgery for unprotected left main disease: A word of caution. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2013-2019.e16. | 0.4 | 5 |
| 133 | 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 |
| 134 | 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 |
| 135 | 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 |
| 136 | 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 |
| 137 | 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 |
| 138 | Role of 3D printing technology in paediatric teaching and training: a systematic review. <i>BMJ Paediatrics Open</i> , 2021, 5, e001050. | 0.6 | 5 |
| 139 | Warm-blood cardioplegia with low or high magnesium for coronary bypass surgery: a randomised controlled trial. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 40, 722-9. | 0.6 | 4 |
| 140 | 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 |
| 141 | Bicuspid Aortic Valve Alters Aortic Protein Expression Profile in Neonatal Coarctation Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 517. | 1.0 | 4 |
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