Gareth J Morgan

List of Publications by Year
in descending order

101 papers	1,254 citations	430874 18 h-index	454955 30 g-index
103 all docs	103 docs citations	103 times ranked	1198 citing authors

#	Article	IF	Citations
1	Right Ventricular Outflow Tract Stenting in Tetralogy of Fallot Infants With Risk Factors for Early Primary Repair. Circulation: Cardiovascular Interventions, 2016, 9, .	3.9	70
2	Medium-term results of percutaneous pulmonary valve implantation using the Venus P-valve: international experience. EuroIntervention, 2019, 14, 1363-1370.	3.2	63
3	Transcatheter Pulmonary Valve Replacement With the Sapien Prosthesis. Journal of the American College of Cardiology, 2020, 76, 2847-2858.	2.8	55
4	SAPIEN valve for percutaneous transcatheter pulmonary valve replacement without â€œpreâ€stentingâ€: A multiâ€institutional experience. Catheterization and Cardiovascular Interventions, 2019, 93, 324-329.	1.7	54
5	Early clinical experience with the new amplatzer ductal occluder II for closure of the persistent arterial duct. Catheterization and Cardiovascular Interventions, 2009, 74, 615-623.	1.7	53
6	Systemic Blood Pressure After Stent Management for Arch Coarctation Implications for Clinical Care. JACC: Cardiovascular Interventions, 2013, 6, 192-201.	2.9	48
7	Hybrid Procedure for Neonates With Hypoplastic Left Heart Syndrome at High-Risk for Norwood: Midterm Outcomes. Annals of Thoracic Surgery, 2015, 100, 2286-2292.	1.3	38
8	Novel Three-Dimensional Image Fusion Software to Facilitate Guidance of Complex Cardiac Catheterization. Pediatric Cardiology, 2017, 38, 1133-1142.	1.3	37
9	A biodegradable device (BioSTARâ„¢) for atrial septal defect closure in children. Catheterization and Cardiovascular Interventions, 2010, 76, 241-245.	1.7	34
10	Early clinical experience with a modified amplatzer ductal occluder for transcatheter arterial duct occlusion in infants and small children. Catheterization and Cardiovascular Interventions, 2013, 82, 534-540.	1.7	34
11	ASSURED clinical study: New GOREÂ® CARDIOFORM ASD occluder for transcatheter closure of atrial septal defect. Catheterization and Cardiovascular Interventions, 2020, 95, 1285-1295.	1.7	33
12	Early European experience with the Venus P-valveÂ®: filling the gap in percutaneous pulmonary valve implantation. EuroIntervention, 2016, 12, e643-e651.	3.2	30
13	Noninvasive wave intensity analysis predicts functional worsening in children with pulmonary arterial hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H968-H977.	3.2	28
14	Reduced proximal aortic compliance and elevated wall shear stress after early repair of tetralogy of Fallot. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 2239-2249.	0.8	27
15	Outcome after transcatheter occlusion of patent ductus arteriosus in infants less than 6 kg: A national study from United Kingdom and Ireland. Catheterization and Cardiovascular Interventions, 2017, 90, 1135-1144.	1.7	25
16	Use of 65 cm large caliber Dryseal sheaths to facilitate delivery of the Edwards SAPIEN valve to dysfunctional right ventricular outflow tracts. Catheterization and Cardiovascular Interventions, 2019, 94, 409-413.	1.7	24
17	Transcatheter closure of long tubular patent arterial ducts: The Amplatzer Duct Occluder IIâ€”A new and valuable tool. Catheterization and Cardiovascular Interventions, 2009, 73, 576-580.	1.7	20
18	Longâ€term clinical experience with amplatzer ductal occluder II for closure of the persistent arterial duct in children. Catheterization and Cardiovascular Interventions, 2014, 83, 1102-1108.	1.7	20

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19	Differences in pulmonary arterial flow hemodynamics between children and adults with pulmonary arterial hypertension as assessed by 4D-flow CMR studies. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H1091-H1104.	3.2	20
20	Left Ventricular Myocardial and Hemodynamic Response to Exercise in Young Patients after Endovascular Stenting for Aortic Coarctation. Journal of the American Society of Echocardiography, 2016, 29, 237-246.	2.8	19
21	Three-Dimensional Echocardiographic Guidance of Right Heart Catheterization Decreases Radiation Exposure in Atrial Septal Defect Closures. Journal of the American Society of Echocardiography, 2018, 31, 1044-1049.	2.8	19
22	Echocardiography-Fluoroscopy Fusion Imaging for Guidance of Congenital and Structural Heart Disease Interventions. JACC: Cardiovascular Imaging, 2019, 12, 1279-1282.	5.3	18
23	Abnormal aortic flow conduction is associated with increased viscous energy loss in patients with repaired tetralogy of Fallot. European Journal of Cardio-thoracic Surgery, 2020, 57, 588-595.	1.4	18
24	Novel measures of left ventricular electromechanical discoordination predict clinical outcomes in children with pulmonary arterial hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H401-H412.	3.2	18
25	The fellows stitch: Large caliber venous hemostasis in pediatric practice. Catheterization and Cardiovascular Interventions, 2012, 80, 79-82.	1.7	17
26	Expansion Characteristics of Stents Used in Congenital Heart Disease: Serial Dilation Offers Improved Expansion Potential Compared to Direct Dilation: Results from a Pediatric Interventional Cardiology Early Career Society (PICES) Investigation. Congenital Heart Disease, 2016, 11, 741-750.	0.2	17
27	Impact of different coarctation therapies on aortic stiffness: phase-contrast MRI study. International Journal of Cardiovascular Imaging, 2018, 34, 1459-1469.	1.5	17
28	Abnormal left ventricular flow organization following repair of tetralogy of Fallot. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 1008-1015.	0.8	17
29	Aortic stiffness in adolescent Turner and Marfan syndrome patients. European Journal of Cardio-thoracic Surgery, 2018, 54, 926-932.	1.4	15
30	Ventricular interactions and electromechanical dyssynchrony after Ross and Ross-Konno operations. Journal of Thoracic and Cardiovascular Surgery, 2019, 158, 509-517.	0.8	14
31	Atrial Septal Defectâ€“Associated Pulmonary Hypertension: Outcomes of Closure With a Fenestrated Device. Advances in Pulmonary Hypertension, 2019, 18, 4-9.	0.1	14
32	Optimus covered stent: Advanced covered stent technology for complex congenital heart disease. Congenital Heart Disease, 2018, 13, 458-462.	0.2	13
33	Increased systolic vorticity in the left ventricular outflow tract is associated with abnormal aortic flow formations in Tetralogy of Fallot. International Journal of Cardiovascular Imaging, 2020, 36, 691-700.	1.5	13
34	Usefulness of 4D-Flow MRI in Mapping Flow Distribution Through Failing Fontan Circulation Prior to Cardiac Intervention. Pediatric Cardiology, 2019, 40, 1093-1096.	1.3	12
35	Results of balloon pulmonary valvoplasty in children with Noonanâ€™s syndrome. Cardiology in the Young, 2018, 28, 647-652.	0.8	11
36	Measuring Flow Hemodynamic Indices and Oxygen Consumption in Children with Pulmonary Hypertension: A Comparison of Catheterization and Phase-Contrast MRI. Pediatric Cardiology, 2018, 39, 268-274.	1.3	11

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37	Proteomic profiling identifies key differences between inter-stage infants with single ventricle heart disease and healthy controls. Translational Research, 2021, 229, 24-37.	5.0	11
38	Metalloproteinases and their inhibitors are associated with pulmonary arterial stiffness and ventricular function in pediatric pulmonary hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H242-H252.	3.2	11
39	Atrial septal defect closure with an Amplatzer septal occluder fenestrated with a coronary stent in a child with pulmonary arterial hypertension. Cardiology in the Young, 2013, 23, 692-696.	0.8	10
40	Serial Versus Direct Dilation of Small Diameter Stents Results in a More Predictable and Complete Intentional Transcatheter Stent Fracture: A PICES Bench Testing Study. Pediatric Cardiology, 2018, 39, 120-128.	1.3	10
41	Pulmonary Artery Stenting. Interventional Cardiology Clinics, 2019, 8, 33-46.	0.4	10
42	Early clinical experience with the straight design of Venus Pâ€valveâ„¢ in dysfunctional right ventricular outflow tracts. Catheterization and Cardiovascular Interventions, 2020, 96, E653-E659.	1.7	10
43	Live 3D image overlay for arterial duct closure with Amplatzer Duct Occluder II additional size. Cardiology in the Young, 2016, 26, 605-608.	0.8	9
44	Stenting of the interâ€atrial septum in infants and small children: Indications, techniques and outcomes. Catheterization and Cardiovascular Interventions, 2018, 91, 1294-1300.	1.7	9
45	Innovations in Congenital Interventional Cardiology. Pediatric Clinics of North America, 2020, 67, 973-993.	1.8	9
46	Patients with Fontan circulation have abnormal aortic wave propagation patterns: A wave intensity analysis study. International Journal of Cardiology, 2021, 322, 158-167.	1.7	9
47	Comparison of self-expandable and balloon-expanding stents for hybrid ductal stenting in hypoplastic left heart complex. Cardiology in the Young, 2017, 27, 837-845.	0.8	8
48	Symptomatic partial and transitional atrioventricular septal defect repaired in infancy. Heart, 2018, 104, 1411-1416.	2.9	8
49	Novel Minimal Radiation Approach for Percutaneous Pulmonary Valve Implantation. Pediatric Cardiology, 2021, 42, 926-933.	1.3	8
50	Imaging and Percutaneous Occlusion of a Large Aneurysm of the Ductus Arteriosus in an Infant with Loeys-Dietz Syndrome. Congenital Heart Disease, 2013, 8, E192-E195.	0.2	7
51	Tricuspid Atresia With Truncus Arteriosus: Successful Surgical Treatment. Annals of Thoracic Surgery, 2014, 98, 721-723.	1.3	7
52	Pulmonary Regurgitation- Is the Future Percutaneous or Surgical?. Frontiers in Pediatrics, 2018, 6, 184.	1.9	7
53	Balloon expandable covered stents as primary therapy for hemodynamically stable traumatic aortic injuries in children. Catheterization and Cardiovascular Interventions, 2020, 95, 477-483.	1.7	7
54	The Compensatory Reserve Index Responds to Acute Hemodynamic Changes in Patients with Congenital Heart Disease: A Proof of Concept Study. Pediatric Cardiology, 2020, 41, 1190-1198.	1.3	7

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55	Flow profile characteristics in Fontan circulation are associated with the single ventricle dilation and function: principal component analysis study. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1032-H1040.	3.2	7
56	Use of an Edwards Sapien S3 valve to replace a dysfunctional mechanical mitral valve in an 11-year old boy: another small step for surgical and interventional collaboration. European Journal of Cardio-thoracic Surgery, 2016, 50, 577-579.	1.4	6
57	Transcatheter interventions in adults with congenital heart disease: Surveys from the Society for Cardiovascular Angiography and Interventions to identify current patterns of care and perception on training requirements. Catheterization and Cardiovascular Interventions, 2017, 90, 418-424.	1.7	6
58	Fenestration closure with Amplatzer Duct Occluder II in patients after total cavo-pulmonary connection. Archives of Medical Science, 2017, 2, 337-345.	0.9	6
59	Hybrid Strategy for High-Risk Neonates with Interrupted Aortic Arch: A Can Well Worth Kicking?. International Journal of Angiology, 2018, 27, 050-053.	0.6	6
60	Transvenous implantation of the Occlutech Atrial Flow Regulator: Preliminary results from swine models. Congenital Heart Disease, 2019, 14, 819-831.	0.2	6
61	Acute and medium term results of balloon expandable stent placement in the transverse archâ€”a multicenter pediatric interventional cardiology early career society study. Catheterization and Cardiovascular Interventions, 2020, 96, 1277-1286.	1.7	6
62	Middle aortic syndrome with renal involvement: A staged strategy to manage systemic hypertension. Catheterization and Cardiovascular Interventions, 2012, 80, E5-8.	1.7	5
63	Variation in Anticoagulation Practices in the Congenital Cardiac Catheterization Lab: Results of a Multinational PICES Survey. Pediatric Cardiology, 2019, 40, 53-60.	1.3	5
64	Rapid prototyping airway and vascular models from 3D rotational angiography: Beans to cup 3D printing. Progress in Pediatric Cardiology, 2021, , 101350.	0.4	5
65	Prophylactic antibiotics in interventional paediatric cardiac catheterisation: old habits die hard?. Cardiology in the Young, 2015, 25, 693-697.	0.8	4
66	A case for the therapeutic use of perfluorocarbon in pulmonary atelectasis. Thorax, 2017, 72, 478-480.	5.6	4
67	Large Calibre Self-Expanding Stents for Pulmonary Stenosis After the Arterial Switch, a Low-Risk Solution to a Low-Flow Situation. Pediatric Cardiology, 2018, 39, 824-828.	1.3	4
68	Evaluation of a modified Cheatham-Platinum stent for the treatment of aortic coarctation by finite element modelling. JRSM Cardiovascular Disease, 2018, 7, 204800401877395.	0.7	4
69	Technical Feasibility on the Use of Optical Coherence Tomography in the Evaluation of Pediatric Pulmonary Venous Stenosis. Pediatric Cardiology, 2022, , 1.	1.3	4
70	Abnormal flow conduction through pulmonary arteries is associated with right ventricular volume and function in patients with repaired tetralogy of Fallot: does flow quality affect afterload?. European Radiology, 2023, 33, 302-311.	4.5	4
71	Using in vitro model to assess stentâ€stent interaction in patients with coronary artery compression. Journal of Interventional Cardiology, 2018, 31, 870-877.	1.2	3
72	Current Treatment Options for Catheter-Based Pulmonary Valve Replacement in Children. Current Treatment Options in Pediatrics, 2020, 6, 274-282.	0.6	3

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73	A low threshold for neonatal intervention yields a high rate of biventricular outcomes in pulmonary atresia with intact ventricular septum. Cardiology in the Young, 2020, 30, 649-655.	0.8	3
74	Implementation of virtual reality for patient distraction during diagnostic cardiac catheterisation. Cardiology in the Young, 2022, 32, 323-327.	0.8	3
75	The diagnosis and interventional management of pulmonary arteriovenous malformations. EuroIntervention, 2016, 12, X24-X27.	3.2	3
76	Radiolucent retractor for angiographic analysis during hybrid congenital cardiac procedures. Journal of Thoracic and Cardiovascular Surgery, 2010, 140, 1195-1196.	0.8	2
77	Anomalous Origin of the Left Coronary Artery from the Right Pulmonary Artery Presenting Following Relief of Left Heart Obstruction: A Distinct and Predictable Clinico-Pathological Syndrome. Congenital Heart Disease, 2010, 5, 327-330.	0.2	2
78	Chronic Occlusion of the Superior Vena Cava Resulting in Cyanosis in an Adult. Circulation: Cardiovascular Interventions, 2015, 8, e002163.	3.9	2
79	Hybrid Approach for Recanalization and Stenting of Acquired Pulmonary Vein Occlusion. Pediatric Cardiology, 2016, 37, 983-985.	1.3	2
80	Echocardiographic Versus Angiographic Assessment of Patent Arterial Duct in Percutaneous Closure: Towards X-ray Free Duct Occlusion?. Pediatric Cardiology, 2017, 38, 302-307.	1.3	2
81	Use of OcclutechÂ® atrial flow regulator in a single ventricle patient: a 3D view of a successful intervention. European Heart Journal Cardiovascular Imaging, 2020, 21, 1151-1151.	1.2	2
82	Baseline Values of the Compensatory Reserve Index in a Healthy Pediatric Population. Pediatric Cardiology, 2021, , 1.	1.3	2
83	Validating a risk assessment tool in United Kingdom and Irish paediatric cardiac catheterisation practice. Cardiology in the Young, 2022, 32, 1407-1414.	0.8	2
84	Infective Endocarditis, a Rare Complication of Late Neonatal Group B Strep Sepsis. Frontiers in Pediatrics, 2018, 6, 274.	1.9	1
85	Accessing extracorporeal membrane oxygenation circuits to perform emergent interventional cardiac catheterisation. Cardiology in the Young, 2019, 29, 1290-1293.	0.8	1
86	Coronary compression testing by balloon interrogation during pulmonary valve implantation: room for doubt?. Cardiology in the Young, 2021, 31, 1419-1425.	0.8	1
87	Baseline intracardiac echocardiography predicts haemodynamic changes and Doppler velocity patterns during follow-up after percutaneous pulmonary valve implantation. Cardiology in the Young, 2022, 32, 444-450.	0.8	1
88	Coronary Artery Reimplantation and Berlin Heart EXCOR Rescue for Left Coronary Artery Atresia With Severe Ischemic Cardiomyopathy. World Journal for Pediatric & Congenital Heart Surgery, 2021, 12, 793-795.	0.8	1
89	Q Fever and Kawasaki Disease with Coronary Artery Dilatation. Journal of Pediatric Infectious Diseases, 2016, 11, 051-052.	0.2	0
90	Initial assessment of a novel delivery system (NuDELâ„¢Â®) for the covered Cheatham-Platinum stent. Cardiology in the Young, 2017, 27, 1465-1469.	0.8	0

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91	Recombinant factor VIIa as a rescue therapy in severe haemoptysis in a patient with a Fontan circulation. Cardiology in the Young, 2018, 28, 144-146.	0.8	0
92	The Length Versus Diameter Relationship and Radial Force Properties of the Amplatzerâ„¢ Vascular Plug Type IV: Observations for Oversizing. Cardiovascular Engineering and Technology, 2019, 10, 271-276.	1.6	0
93	Partial occlusion of PDA in a patient with severe pulmonary hypertension using a manually fenestrated and stented muscular VSD device. Progress in Pediatric Cardiology, 2020, 59, 101229.	0.4	0
94	New Horizons for Interventional Cardiology - A Plug for the Future. Pediatric Cardiology, 2020, 41, 437-437.	1.3	0
95	Cardiac catheterization laboratory and the role in effective patient education: A model approach. Progress in Pediatric Cardiology, 2021, 63, 101396.	0.4	0
96	The Unusual Journey of a Pericardial Drainage Catheter in Pentalogy of Cantrell. Case Reports in Pediatrics, 2021, 2021, 1-4.	0.4	0
97	How to obtain diagnostic and procedural quality three-dimensional-rotational angiograms in congenital heart disease: Tips and tricks from a single center experience. Cardiology Journal, 2021, 28, 779-782.	1.2	0
98	Contrast-free percutaneous pulmonary valve replacement: a safe approach for valve-in-valve procedures. Postepy W Kardiologii Interwencyjnej, 2021, 17, 200-209.	0.2	0
99	Simultaneous deployment of a covered stent and a Sapien S3 as a bridge to surgical valve replacement in acute infective endocarditis. Journal of Cardiology Cases, 2021, , .	0.5	0
100	Reducing air embolism and improving accuracy during pediatric wedge measurements. Journal of Invasive Cardiology, 2013, 25, 320.	0.4	0
101	Two-Stage Biventricular Repair of Complex Aortic Atresia. Annals of Thoracic Surgery, 2023, 115, e101-e103.	1.3	0