

# Anthony M Hlavacek

## List of Publications by Year in descending order

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83  
papers

1,913  
citations

257101

24  
h-index

301761

39  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Cardiac Tumors in Children by Cardiovascular Magnetic Resonance Imaging. <i>Journal of the American College of Cardiology</i> , 2011, 58, 1044-1054.	1.2	164
2	Computed Tomography Imaging in Patients with Congenital Heart Disease Part I: Rationale and Utility. An Expert Consensus Document of the Society of Cardiovascular Computed Tomography (SCCT). <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 475-492.	0.7	142
3	Computed Tomography Imaging in Patients with Congenital Heart Disease, Part 2: Technical Recommendations. An Expert Consensus Document of the Society of Cardiovascular Computed Tomography (SCCT). <i>Journal of Cardiovascular Computed Tomography</i> , 2015, 9, 493-513.	0.7	112
4	Predictive modeling of the virtual Hemi-Fontan operation for second stage single ventricle palliation: Two patient-specific cases. <i>Journal of Biomechanics</i> , 2013, 46, 423-429.	0.9	71
5	Real-Time Three-Dimensional Echocardiography Is Useful in the Evaluation of Patients with Atrioventricular Septal Defects. <i>Echocardiography</i> , 2006, 23, 225-231.	0.3	56
6	Effective Radiation Dose in Computed Tomographic Angiography of the Chest and Diagnostic Cardiac Catheterization in Pediatric Patients. <i>Pediatric Cardiology</i> , 2013, 34, 518-524.	0.6	55
7	Fetal and Neonatal Effects of N-Acetylcysteine When Used for Neuroprotection in Maternal Chorioamnionitis. <i>Journal of Pediatrics</i> , 2016, 168, 67-76.e6.	0.9	53
8	Cardiovascular CT angiography in neonates and children: Image quality and potential for radiation dose reduction with iterative image reconstruction techniques. <i>European Radiology</i> , 2013, 23, 1306-1315.	2.3	52
9	Left atrial decompression by percutaneous cannula placement while on extracorporeal membrane oxygenation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 595-596.	0.4	47
10	Diagnostic accuracy of CT angiography in infants with tetralogy of Fallot with pulmonary atresia and major aortopulmonary collateral arteries. <i>Journal of Cardiovascular Computed Tomography</i> , 2013, 7, 367-375.	0.7	46
11	Developmental Aortic Arch Anomalies in Infants and Children Assessed With CT Angiography. <i>American Journal of Roentgenology</i> , 2012, 198, W466-W474.	1.0	45
12	Left Ventricular Dysfunction is Associated with Intraventricular Dyssynchrony by 3-Dimensional Echocardiography in Children. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 230-233.	1.2	44
13	Transthoracic Real-Time Three-Dimensional Echocardiography in the Diagnosis and Description of Noncompaction of Ventricular Myocardium. <i>Echocardiography</i> , 2006, 23, 490-494.	0.3	40
14	Isomerism or heterotaxy: which term leads to better understanding?. <i>Cardiology in the Young</i> , 2015, 25, 1037-1043.	0.4	40
15	Veno-venous bridges: the forerunners of the sinus venosus defect. <i>Cardiology in the Young</i> , 2011, 21, 623-630.	0.4	37
16	ECG-Synchronized CT Angiography in 324 Consecutive Pediatric Patients: Spectrum of Indications and Trends in Radiation Dose. <i>Pediatric Cardiology</i> , 2015, 36, 569-578.	0.6	37
17	A comparison of mutations induced by accelerated iron particles versus those induced by low earth orbit space radiation in the FEM-3 gene of <i>Caenorhabditis elegans</i> . <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 474, 47-55.	0.4	35
18	Cardiovascular manifestations of heterotaxy and related situs abnormalities assessed with CT angiography. <i>Journal of Cardiovascular Computed Tomography</i> , 2013, 7, 408-416.	0.7	35

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19	Hemodynamic effects of left pulmonary artery stenosis after superior cavopulmonary connection: A patient-specific multiscale modeling study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 149, 689-696.e3.	0.4	34
20	Chromosomal Anomalies Influence Parental Treatment Decisions in Relation to Prenatally Diagnosed Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2009, 30, 1105-1111.	0.6	32
21	Imaging in congenital pulmonary vein anomalies: the role of computed tomography. <i>Pediatric Radiology</i> , 2014, 44, 1158-1168.	1.1	32
22	Universal Screening for Extracardiac Abnormalities in Neonates with Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2009, 30, 269-273.	0.6	28
23	Feasibility and Utility of Three-Dimensional Color Flow Echocardiography of the Aortic Arch: The "Echocardiographic Angiogram". <i>Echocardiography</i> , 2006, 23, 860-864.	0.3	26
24	Evaluation of the myocardial performance index and tissue doppler imaging by comparison to near-simultaneous catheter measurements in pediatric cardiac transplant patients. <i>Journal of Heart and Lung Transplantation</i> , 2010, 29, 853-858.	0.3	26
25	Validation of Noninvasive Measures of Left Ventricular Mechanics in Children: A Simultaneous Echocardiographic and Conductance Catheterization Study. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 640-647.	1.2	26
26	An interactive simulation tool for patient-specific clinical decision support in single-ventricle physiology. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 712-721.	0.4	24
27	Contrasting Effects of Convective Flow on Catheter Ablation Lesion Size: Cryo Versus Radiofrequency Energy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2008, 31, 300-307.	0.5	22
28	Challenges in Echocardiographic Assessment of Mitral Regurgitation in Children After Repair of Atrioventricular Septal Defect. <i>Pediatric Cardiology</i> , 2012, 33, 205-214.	0.6	21
29	Diagnostic Accuracy of Noncontrast Self-navigated Free-breathing MR Angiography versus CT Angiography: A Prospective Study in Pediatric Patients with Suspected Anomalous Coronary Arteries. <i>Academic Radiology</i> , 2019, 26, 1309-1317.	1.3	20
30	Anomalous origin and course of the coronary arteries. <i>Cardiology in the Young</i> , 2010, 20, 20-25.	0.4	19
31	Cardiovascular manifestations of Williams syndrome: Imaging findings. <i>Journal of Cardiovascular Computed Tomography</i> , 2013, 7, 400-407.	0.7	19
32	Comparison of Pressure-Volume Loop and Echocardiographic Measures of Diastolic Function in Patients With a Single-Ventricle Physiology. <i>Pediatric Cardiology</i> , 2014, 35, 998-1006.	0.6	19
33	How should we diagnose and differentiate hearts with double-outlet right ventricle?. <i>Cardiology in the Young</i> , 2017, 27, 1-15.	0.4	18
34	Variability and Resource Utilization of Bedside Three-dimensional Echocardiographic Quantitative Measurements of Left Ventricular Volume in Congenital Heart Disease. <i>Congenital Heart Disease</i> , 2006, 1, 309-314.	0.0	17
35	Multi-institution assessment of the use and risk of cardiovascular computed tomography in pediatric patients with congenital heart disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 441-448.	0.7	17
36	Utility of computed tomographic angiography in the pre-operative planning for initial and repeat congenital cardiovascular surgery. <i>Cardiology in the Young</i> , 2010, 20, 262-268.	0.4	16

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37	A multiscale model for the study of cardiac biomechanics in single-ventricle surgeries: a clinical case. <i>Interface Focus</i> , 2015, 5, 20140079.	1.5	16
38	Multi-institutional evaluation of the indications and radiation dose of functional cardiovascular computed tomography (CCT) imaging in congenital heart disease. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 339-346.	0.7	16
39	Integration of Clinical Data Collected at Different Times for Virtual Surgery in Single Ventricle Patients: A Case Study. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1310-1320.	1.3	15
40	Coronary artery assessment using self-navigated free-breathing radial whole-heart magnetic resonance angiography in patients with congenital heart disease. <i>European Radiology</i> , 2018, 28, 1267-1275.	2.3	15
41	Echocardiographic Detection of Increased Ventricular Diastolic Stiffness in Pediatric Heart Transplant Recipients: A Pilot Study. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 342-348.e1.	1.2	14
42	Variation in care practices across pediatric acute care cardiology units: Results of the Pediatric Acute Care Cardiology Collaborative (PAC <sup>3</sup> ) hospital survey. <i>Congenital Heart Disease</i> , 2019, 14, 419-426.	0.0	13
43	Center Variation in Chest Tube Duration and Length of Stay After Congenital Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2020, 110, 221-227.	0.7	13
44	Computed Tomographic Angiography of Infants with Congenital Heart Disease Receiving Extracorporeal Membrane Oxygenation. <i>Pediatric Cardiology</i> , 2009, 30, 1154-1156.	0.6	12
45	Development of a congenital cardiovascular computed tomography imaging registry: Rationale and implementation. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 263-266.	0.7	12
46	Successful Reduction of Postoperative Chest Tube Duration and Length of Stay After Congenital Heart Surgery: A Multicenter Collaborative Improvement Project. <i>Journal of the American Heart Association</i> , 2021, 10, e020730.	1.6	12
47	An Overview of Cardiac Computed Tomography in Adults With Congenital Heart Disease. <i>Journal of Thoracic Imaging</i> , 2017, 32, 258-273.	0.8	11
48	Longitudinal measures of deformation are associated with a composite measure of contractility derived from pressure-volume loop analysis in children. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 562-568.	0.5	11
49	Intensive Care Unit and Acute Care Unit Length of Stay After Congenital Heart Surgery. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1396-1403.	0.7	10
50	Comparison of Echocardiographic and Pressure-volume Loop Indices of Systolic Function in Patients with Single Ventricle Physiology: A Preliminary Report. <i>Congenital Heart Disease</i> , 2015, 10, E17-E24.	0.0	9
51	Multiscale Modeling of Superior Cavopulmonary Circulation: Hemi-Fontan and Bidirectional Glenn Are Equivalent. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020, 32, 883-892.	0.4	9
52	Radiation Exposure of Dual-Source Cardiovascular Computed Tomography in Patients With Congenital Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 698-700.	2.3	9
53	Clinico-morphological correlations in the categorization of holes between the ventricles. <i>Annals of Pediatric Cardiology</i> , 2010, 3, 12.	0.2	8
54	Sternal erosion detected by computed tomographic angiography before repeat sternotomy in an adolescent with congenital heart disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2010, 4, 66-69.	0.7	7

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55	What is aortic overriding?. <i>Cardiology in the Young</i> , 2015, 25, 612-625.	0.4	7
56	High Acuity Therapy Variation Across Pediatric Acute Care Cardiology Units: Results from the Pediatric Acute Care Cardiology Collaborative Hospital Surveys. <i>Pediatric Cardiology</i> , 2021, 42, 1074-1081.	0.6	7
57	Recommendations for risk stratified use of cardiac computed tomography for congenital heart disease during the COVID-19 pandemic. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 291-293.	0.7	6
58	Pulmonary Venous Abnormalities. , 2010, , 497-522.		6
59	Innovation in Three-Dimensional Echocardiography and Cardiac Computed Tomographic Angiography. <i>Cardiology in the Young</i> , 2009, 19, 35-42.	0.4	4
60	Recurrent subaortic membrane causing subvalvular aortic stenosis 13 years after primary surgical resection. <i>Journal of Cardiovascular Computed Tomography</i> , 2011, 5, 127-128.	0.7	4
61	Left Ventricular Pseudoaneurysm After Periventricular Ventricular Septal Defect Device Closure. <i>Journal of Cardiac Surgery</i> , 2014, 29, 186-188.	0.3	3
62	The Effect of the Superior Cavopulmonary Anastomosis on Ventricular Remodeling in Infants with Single Ventricle. <i>Journal of the American Society of Echocardiography</i> , 2017, 30, 699-707.e1.	1.2	3
63	Advanced Cardiac Imaging in Adults With Congenital Heart Disease: The Great Wave. <i>Journal of Thoracic Imaging</i> , 2017, 32, 203-204.	0.8	3
64	Improved outcomes after implementation of a specialized pediatric cardiac rapid response team. <i>Cardiology in the Young</i> , 2021, 31, 1582-1588.	0.4	3
65	Progressive intra-individual radiation dose reduction during CT surveillance of a patient with alcapa syndrome. <i>Diagnostic and Interventional Radiology</i> , 2012, 18, 547-51.	0.7	3
66	Coronary artery dilation in LEOPARD syndrome: surveillance with low radiation dose cardiac CT. <i>Heart</i> , 2010, 96, 1429-1429.	1.2	2
67	Veno-Venous Bridge in a Neonate With Hypoplastic Left Heart Syndrome. <i>Journal of the American College of Cardiology</i> , 2014, 63, e9.	1.2	2
68	Transcatheter Device Occlusion of Multiple Large Pulmonary Arteriovenous Malformations in Two Symptomatic Pediatric Patients. <i>Congenital Heart Disease</i> , 2006, 1, 327-331.	0.0	1
69	Lesions with normal segmental connections. , 0, , 150-243.		1
70	Anatomy of the cardiac chambers. , 0, , 13-50.		1
71	Surgical anatomy of the conduction system. , 2013, , 111-127.		1
72	Surgical approaches to the heart. , 0, , 1-12.		0

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73	Lesions in hearts with abnormal segmental connections. , 0, , 244-320.		0
74	Analytical description of congenitally malformed hearts. , 0, , 128-149.		0
75	Abnormalities of the great vessels. , 0, , 321-362.		0
76	Positional anomalies of the heart. , 0, , 363-376.		0
77	Surgical anatomy of the valves of the heart. , 0, , 51-89.		0
78	Surgical anatomy of the coronary circulation. , 0, , 90-110.		0
79	The significance of aortic overriding and pulmonary stenosis in tetralogy of Fallot. <i>Cardiology in the Young</i> , 2015, 25, 627-627.	0.4	0
80	Single center experience with a prototype self-navigated 3D SSFP whole heart sequence in assessing coronary artery origin. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P188.	1.6	0
81	Special Technique Considerations for Congenital Heart Disease Imaging. <i>Contemporary Medical Imaging</i> , 2019, , 555-563.	0.3	0
82	CT Spectrum of Congenital Heart Disease. <i>Contemporary Medical Imaging</i> , 2019, , 579-601.	0.3	0
83	Three-Dimensional Echocardiography in Congenital Heart Disease. , 2010, , 103-110.		0