

Tal Geva

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

6,135
citations

117571

34
h-index

74108

75
g-index

200
all docs

200
docs citations

200
times ranked

5640
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy of Cardiac Magnetic Resonance Imaging in Diagnosing Pediatric Cardiac Masses. JACC: Cardiovascular Imaging, 2022, 15, 1391-1405.	2.3	9
2	Atrial septal defect in adulthood: a new paradigm for congenital heart disease. European Heart Journal, 2022, 43, 2660-2671.	1.0	34
3	Cardiac MRI predictors of good long-term outcomes in patients with repaired TOF. American Heart Journal, 2022, 245, 70-77.	1.2	4
4	Preoperative Factors That Predict Recurrence After Repair of Discrete Subaortic Stenosis. Annals of Thoracic Surgery, 2021, 111, 1613-1619.	0.7	9
5	Imaging the adult with simple shunt lesions: position paper from the EACVI and the ESC WG on ACHD. Endorsed by AEPC (Association for European Paediatric and Congenital Cardiology). European Heart Journal Cardiovascular Imaging, 2021, 22, e58-e70.	0.5	10
6	Risk Factors for Left Ventricular Dysfunction Following Surgical Management of Cardiac Fibroma. Circulation: Cardiovascular Imaging, 2021, 14, e011748.	1.3	5
7	Integrated Clinical and Magnetic Resonance Imaging Assessments Late After Fontan Operation. Journal of the American College of Cardiology, 2021, 77, 2480-2489.	1.2	18
8	A Novel Pulmonary Valve Replacement Surgery Strategy Using Contracting Band for Patients With Repaired Tetralogy of Fallot: An MRI-Based Multipatient Modeling Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 638934.	2.0	4
9	Impact of pulmonary valve replacement on left ventricular rotational mechanics in repaired tetralogy of Fallot. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 61.	1.6	9
10	The impact of pulmonary valve replacement on pregnancy outcomes in women with tetralogy of Fallot. International Journal of Cardiology, 2021, 330, 43-49.	0.8	4
11	Longitudinal changes in extent of late gadolinium enhancement in repaired Tetralogy of Fallot: a retrospective analysis of serial CMRs. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 80.	1.6	3
12	Biventricular Global Function Index Is Associated With Adverse Outcomes in Repaired Tetralogy of Fallot. Circulation: Cardiovascular Imaging, 2021, 14, e012519.	1.3	5
13	Is Myocardial Fibrosis the Missing Link Between Prematurity, Cardiac Remodeling, and Long-Term Cardiovascular Outcomes?. Journal of the American College of Cardiology, 2021, 78, 693-695.	1.2	4
14	Echocardiographic surveillance in children after tetralogy of Fallot repair: Adherence to guidelines?. International Journal of Cardiology, 2020, 307, 31-35.	0.8	2
15	Relation of Right Ventricular Dilation After Pulmonary Valve Replacement to Outcomes in Patients With Repaired Tetralogy of Fallot. American Journal of Cardiology, 2020, 125, 977-981.	0.7	25
16	Congenitally Inverted Pulmonary Valve in Tetralogy of Fallot. JACC: Case Reports, 2020, 2, 544-546.	0.3	1
17	Multi-Band Surgery for Repaired Tetralogy of Fallot Patients With Reduced Right Ventricle Ejection Fraction: A Pilot Study. Frontiers in Physiology, 2020, 11, 198.	1.3	3
18	Ventricle stress/strain comparisons between Tetralogy of Fallot patients and healthy using models with different zero-load diastole and systole morphologies. PLoS ONE, 2019, 14, e0220328.	1.1	4

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19	Interdigitating Myocardial Tongues in Pediatric Cardiac Fibromas. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 563-575.	1.3	13
20	Epicardial Echocardiography in Pediatric and Congenital Heart Surgery. <i>World Journal for Pediatric & Congenital Heart Surgery</i> , 2019, 10, 343-350.	0.3	17
21	Patient-specific in vivo right ventricle material parameter estimation for patients with tetralogy of Fallot using MRI-based models with different zero-load diastole and systole morphologies. <i>International Journal of Cardiology</i> , 2019, 276, 93-99.	0.8	11
22	Type B Interrupted Right Aortic Arch: Diagnostic and Surgical Approaches. <i>Annals of Thoracic Surgery</i> , 2019, 107, e41-e43.	0.7	3
23	Usefulness of Pulmonary Arterial End-Diastolic Forward Flow Late After Tetralogy of Fallot Repair to Predict a "Restrictive" Right Ventricle. <i>American Journal of Cardiology</i> , 2018, 121, 1380-1386.	0.7	18
24	Classifying Heterotaxy Syndrome. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007490.	1.3	15
25	Free-breathing whole-heart 3D cine magnetic resonance imaging with prospective respiratory motion compensation. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 181-189.	1.9	27
26	Inefficient Ventriculoarterial Coupling in Fontan Patients: A Cardiac Magnetic Resonance Study. <i>Pediatric Cardiology</i> , 2018, 39, 763-773.	0.6	14
27	Left Atrial Volumes and Strain in Healthy Children Measured by Three-Dimensional Echocardiography: Normal Values and Maturational Changes. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 187-193.e1.	1.2	29
28	Predicting deterioration of ventricular function in patients with repaired tetralogy of Fallot using machine learning. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 730-738.	0.5	47
29	Accelerated whole-heart MR angiography using a variable-density poisson-disc undersampling pattern and compressed sensing reconstruction. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 761-769.	1.9	9
30	A propensity score-adjusted analysis of clinical outcomes after pulmonary valve replacement in tetralogy of Fallot. <i>Heart</i> , 2018, 104, 738-744.	1.2	104
31	Preoperative Predictors of Death and Sustained Ventricular Tachycardia After Pulmonary Valve Replacement in Patients With Repaired Tetralogy of Fallot Enrolled in the INDICATOR Cohort. <i>Circulation</i> , 2018, 138, 2106-2115.	1.6	136
32	Imaging the Microstructure of the Human Fetal Heart. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e008298.	1.3	4
33	Maldistribution of pulmonary blood flow in patients after the Fontan operation is associated with worse exercise capacity. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 85.	1.6	25
34	Iterative Segmentation from Limited Training Data: Applications to Congenital Heart Disease. <i>Lecture Notes in Computer Science</i> , 2018, 11045, 334-342.	1.0	21
35	Impact of Ventricular Morphology on Fiber Stress and Strain in Fontan Patients. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e006738.	1.3	42
36	Impact of surgical pulmonary valve replacement on ventricular strain and synchrony in patients with repaired tetralogy of Fallot: a cardiovascular magnetic resonance feature tracking study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 37.	1.6	26

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37	Left Atrial Size and Function in Patients With Congenital Aortic Valve Stenosis. <i>American Journal of Cardiology</i> , 2018, 122, 1541-1545.	0.7	7
38	Rationale and design of long-term outcomes and vascular evaluation after successful coarctation of the aorta treatment study. <i>Annals of Pediatric Cardiology</i> , 2018, 11, 282.	0.2	3
39	Prospective heart tracking for whole-heart magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 759-765.	1.9	11
40	Utility of a standardized postcardiopulmonary bypass epicardial echocardiography protocol for stage I Norwood palliation. <i>Congenital Heart Disease</i> , 2017, 12, 350-356.	0.0	7
41	Factors associated with severe aortic dilation in patients with Fontan palliation. <i>Heart</i> , 2017, 103, 280-286.	1.2	12
42	How to Image Repaired Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	32
43	Diffuse Myocardial Fibrosis in Repaired Tetralogy of Fallot. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	9
44	Patient Selection Process for the Harmony Transcatheter Pulmonary Valve Early Feasibility Study. <i>American Journal of Cardiology</i> , 2017, 120, 1387-1392.	0.7	48
45	Right ventricular morphology and function following stage I palliation with a modified Blalock-Taussig shunt versus a right ventricle-to-pulmonary artery conduit. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, 50-57.	0.6	22
46	Comparison of Right Ventricle Morphological and Mechanical Characteristics for Healthy and Patients with Tetralogy of Fallot: An In Vivo MRI-Based Modeling Study. <i>MCB Molecular and Cellular Biomechanics</i> , 2017, 14, 137-151.	0.3	4
47	Response to Letters Regarding Article "Segmental Aortic Stiffness in Children and Young Adults With Connective Tissue Disorders: Relationships With Age, Aortic Size, Rate of Dilation, and Surgical Root Replacement". <i>Circulation</i> , 2016, 133, e405.	1.6	0
48	Cardiac magnetic resonance imaging characteristics and pregnancy outcomes in women with Mustard palliation for complete transposition of the great arteries. <i>IJC Heart and Vasculature</i> , 2016, 10, 54-59.	0.6	4
49	Myocardial ECV Fraction Assessed by CMRÀs Associated With Type of Hemodynamic Load and Arrhythmia in Repaired Tetralogy of Fallot. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1-10.	2.3	117
50	Echocardiography and magnetic resonance imaging based strain analysis of functional single ventricles: a study of intra- and inter-modality reproducibility. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 1113-1120.	0.7	23
51	Cardiovascular Magnetic Resonance Findings Late After the Arterial Switch Operation. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	36
52	Left and right ventricular dyssynchrony and strains from cardiovascular magnetic resonance feature tracking do not predict deterioration of ventricular function in patients with repaired tetralogy of Fallot. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 49.	1.6	36
53	The Future of Cardiovascular Imaging. <i>Circulation</i> , 2016, 133, 2640-2661.	1.6	39
54	Three-dimensional heart locator and compressed sensing for whole-heart MR angiography. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2086-2093.	1.9	12

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55	Myocardial histopathology in late-repaired and unrepaired adults with tetralogy of Fallot. <i>Cardiovascular Pathology</i> , 2016, 25, 225-231.	0.7	26
56	Mechanical stress is associated with right ventricular response to pulmonary valve replacement in patients with repaired tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 687-694.e3.	0.4	27
57	Patient-Specific MRI-Based Right Ventricle Models Using Different Zero-Load Diastole and Systole Geometries for Better Cardiac Stress and Strain Calculations and Pulmonary Valve Replacement Surgical Outcome Predictions. <i>PLoS ONE</i> , 2016, 11, e0162986.	1.1	23
58	Anomalous origin of the left innominate (brachiocephalic) artery in the right aortic arch: How can it be anomalous when the left innominate artery is absent?. <i>Annals of Pediatric Cardiology</i> , 2016, 9, 170.	0.2	3
59	Reply. <i>Annals of Thoracic Surgery</i> , 2015, 100, 2419-2420.	0.7	0
60	Relationship between Exercise Parameters and Noninvasive Indices of Right Ventricular Function in Patients with Biventricular Circulation and Systemic Right Ventricle. <i>Congenital Heart Disease</i> , 2015, 10, 457-465.	0.0	21
61	Persistent Aortic Arch Hypoplasia After Coarctation Treatment Is Associated With Late Systemic Hypertension. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	25
62	Relation of Biventricular Strain and Dyssynchrony in Repaired Tetralogy of Fallot Measured by Cardiac Magnetic Resonance to Death and Sustained Ventricular Tachycardia. <i>American Journal of Cardiology</i> , 2015, 115, 676-680.	0.7	57
63	Right Ventricular Remodeling After Pulmonary Valve Replacement: Early Gains, Late Losses. <i>Annals of Thoracic Surgery</i> , 2015, 99, 660-666.	0.7	70
64	Left Ventricular Strain and Myocardial Fibrosis in Congenital Aortic Stenosis. <i>American Journal of Cardiology</i> , 2015, 116, 1257-1262.	0.7	33
65	Competency Testing for Pediatric Cardiology Fellows Learning Transthoracic Echocardiography: Implementation, Fellow Experience, and Lessons Learned. <i>Pediatric Cardiology</i> , 2015, 36, 1700-1711.	0.6	8
66	Intraoperative Echocardiography for Congenital Aortic Valve Repair: Predictors of Early Reoperation. <i>Annals of Thoracic Surgery</i> , 2015, 100, 678-685.	0.7	14
67	Segmental Aortic Stiffness in Children and Young Adults With Connective Tissue Disorders. <i>Circulation</i> , 2015, 132, 595-602.	1.6	61
68	Echocardiographic Characteristics of Annulo-Leaflet Mitral Ring. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 541-548.	1.2	4
69	Imaging Criteria for Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2015, 65, 996-998.	1.2	9
70	Aortic Measurements in Patients with Aortopathy are Larger and More Reproducible by Cardiac Magnetic Resonance Compared with Echocardiography. <i>Pediatric Cardiology</i> , 2015, 36, 1761-1773.	0.6	28
71	Cardiac magnetic resonance markers of progressive RV dilation and dysfunction after tetralogy of Fallot repair. <i>Heart</i> , 2015, 101, 1724-1730.	1.2	78
72	Determinants of Resource Utilization in a Tertiary Pediatric and Congenital Echocardiographic Laboratory. <i>American Journal of Cardiology</i> , 2015, 116, 1139-1143.	0.7	4

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73	Long-term outcomes and risk factors for aortic regurgitation after discrete subvalvular aortic stenosis resection in children. <i>Heart</i> , 2015, 101, 1547-1553.	1.2	29
74	Comparison Between Echocardiography and Cardiac Magnetic Resonance Imaging in Predicting Transplant-Free Survival After the Fontan Operation. <i>American Journal of Cardiology</i> , 2015, 116, 1132-1138.	0.7	34
75	Interactive Whole-Heart Segmentation in Congenital Heart Disease. <i>Lecture Notes in Computer Science</i> , 2015, 9351, 80-88.	1.0	70
76	Giant aneurysm of the atrial appendages in infants. <i>Annals of Pediatric Cardiology</i> , 2014, 7, 130.	0.2	8
77	Cardiac Magnetic Resonance Parameters Predict Transplantation-Free Survival in Patients With Fontan Circulation. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 502-509.	1.3	99
78	Cardiovascular magnetic resonance parameters associated with early transplant-free survival in children with small left hearts following conversion from a univentricular to biventricular circulation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 73.	1.6	41
79	Right ventricular local longitudinal curvature as a marker and predictor for pulmonary valve replacement surgery outcome: An initial study based on preoperative and postoperative cardiac magnetic resonance data from patients with repaired tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 537-538.	0.4	9
80	Successful surgical management of ventricular fibromas in children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2602-2608.	0.4	25
81	Atrial septal defects. <i>Lancet, The</i> , 2014, 383, 1921-1932.	6.3	258
82	Myocardial Extracellular Remodeling Is Associated With Ventricular Diastolic Dysfunction in Children and Young Adults With Congenital Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1778-1785.	1.2	79
83	Accelerated Degeneration of a Bovine Pericardial Bioprosthetic Aortic Valve in Children and Young Adults. <i>Circulation</i> , 2014, 130, 51-60.	1.6	131
84	Is MRI the Preferred Method for Evaluating Right Ventricular Size and Function in Patients With Congenital Heart Disease?. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 190-197.	1.3	106
85	D-Transposition of the Great Arteries. <i>Journal of the American College of Cardiology</i> , 2014, 64, 498-511.	1.2	227
86	The Impact of Procedural Sedation on Diagnostic Errors in Pediatric Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 949-955.	1.2	26
87	Multimodality Imaging Guidelines for Patients with Repaired Tetralogy of Fallot: A Report from the American Society of Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 111-141.	1.2	264
88	Diagnostic Errors in Congenital Echocardiography: Importance of Study Conditions. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 616-623.	1.2	36
89	Feasibility and Reproducibility of Three-Dimensional Echocardiographic Assessment of Right Ventricular Size and Function in Pediatric Patients. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 903-910.	1.2	26
90	Perinatal and Infant Outcomes of Prenatal Diagnosis of Heterotaxy Syndrome (Asplenia and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Tc	0.7	47

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91	Patients with repaired tetralogy of Fallot suffer from intra- and inter-ventricular cardiac dyssynchrony: a cardiac magnetic resonance study. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1333-1343.	0.5	36
92	Indications for Pulmonary Valve Replacement in Repaired Tetralogy of Fallot. <i>Circulation</i> , 2013, 128, 1855-1857.	1.6	222
93	3D Computational Fluid-Structure Interaction Model of Canine Heart With Different Patch Materials for Optimal Myocardium Regeneration. , 2013, , .		0
94	Tetralogy of Fallot repair: Ready for a new paradigm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 1305-1306.	0.4	16
95	A Novel Surgical Approach Using Contracting Band to Improve Right Ventricle Ejection Fraction for Patients With Repaired Tetralogy of Fallot, a Patient-Specific CMR-Based Modeling Study. , 2012, , .		0
96	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
97	Repaired tetralogy of Fallot: the roles of cardiovascular magnetic resonance in evaluating pathophysiology and for pulmonary valve replacement decision support. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 9.	1.6	462
98	Randomized Trial of Pulmonary Valve Replacement With and Without Right Ventricular Remodeling Surgery. <i>Circulation</i> , 2010, 122, S201-8.	1.6	184
99	Recommendations for Quantification Methods During the Performance of a Pediatric Echocardiogram: A Report From the Pediatric Measurements Writing Group of the American Society of Echocardiography Pediatric and Congenital Heart Disease Council. <i>Journal of the American Society of Echocardiography</i> , 2010, 23, 465-495.	1.2	1,256
100	Regenerated Contracting Myocardium May Improve Post-Surgery Right Ventricle Function: Patch Comparison Using MRI-Based Two-Layer Anisotropic Models of Human Right and Left Ventricles. , 2010, , .		0
101	Response to Letter Regarding Article, "Pulmonary Valve Replacement in Tetralogy of Fallot: Impact on Survival and Ventricular Tachycardia". <i>Circulation</i> , 2009, 120, .	1.6	1
102	Patient-Specific Virtual Surgery for Right Ventricle Volume Reduction and Patch Design Using MRI-Based 3D FSI RV/LV/Patch Models. , 2007, , .		3
103	Using 3D FSI RV/LV Models Based on Patient-Specific MRI Data to Predict Outcome of PVI and RV Volume Reduction Surgeries. , 2007, , .		0
104	Magnetic Resonance Imaging: Historical Perspective. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006, 8, 573-580.	1.6	70
105	Indications and Timing of Pulmonary Valve Replacement After Tetralogy of Fallot Repair. <i>Pediatric Cardiac Surgery Annual</i> , 2006, 9, 11-22.	0.5	227
106	Evaluation of Regional Differences in Right Ventricular Systolic Function by Acoustic Quantification Echocardiography and Cine Magnetic Resonance Imaging. <i>Circulation</i> , 1998, 98, 339-345.	1.6	219
107	Apical Muscular Ventricular Septal Defects Between the Left Ventricle and the Right Ventricular Infundibulum. <i>Circulation</i> , 1997, 95, 1207-1213.	1.6	47