

# Robert W W Biederman

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

446  
citations

759233

12  
h-index

752698

20  
g-index

51  
all docs

51  
docs citations

51  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiologic Compensation Is Supranormal in Compensated Aortic Stenosis: Does it Return to Normal After Aortic Valve Replacement or Is it Blunted by Coexistent Coronary Artery Disease?. <i>Circulation</i> , 2005, 112, 1429-36.	1.6	45
2	Imaging of ventricular function by cardiovascular magnetic resonance. <i>Current Cardiology Reports</i> , 2004, 6, 55-61.	2.9	37
3	Marked Regional Left Ventricular Heterogeneity in Hypertensive Left Ventricular Hypertrophy Patients. <i>Hypertension</i> , 2008, 52, 279-286.	2.7	34
4	LV reverse remodeling imparted by aortic valve replacement for severe aortic stenosis; is it durable? A cardiovascular MRI study sponsored by the American Heart Association. <i>Journal of Cardiothoracic Surgery</i> , 2011, 6, 53.	1.1	33
5	Monitoring Pulmonary Arterial Hypertension Using an Implantable Hemodynamic Sensor. <i>Chest</i> , 2019, 156, 1176-1186.	0.8	32
6	Does the presence of Q waves on the EKG accurately predict prior myocardial infarction when compared to cardiac magnetic resonance using late gadolinium enhancement? A cross-population study of noninfarct vs infarct patients. <i>Heart Rhythm</i> , 2014, 11, 2018-2026.	0.7	26
7	Mid wall fibrosis on CMR with late gadolinium enhancement may predict prognosis for LVAD and transplantation risk in patients with newly diagnosed dilated cardiomyopathy—preliminary observations from a high-volume transplant centre. <i>ESC Heart Failure</i> , 2015, 2, 150-159.	3.1	24
8	Cardiac MRI. <i>Medical Clinics of North America</i> , 2015, 99, 849-861.	2.5	22
9	Mitral regurgitation recovery and atrial reverse remodeling following pulmonary vein isolation procedure in patients with atrial fibrillation: a clinical observation proof-of-concept cardiac MRI study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2013, 37, 307-315.	1.3	17
10	Clinical Utility of Cardiac Magnetic Resonance Imaging in Pericardial Diseases. <i>Current Cardiology Reviews</i> , 2018, 14, 200-212.	1.5	17
11	Cardiac magnetic resonance radiofrequency tissue tagging for diagnosis of constrictive pericarditis: A proof of concept study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 1348-1355.	0.8	16
12	Diagnostic Value of MRI in Patients With Implanted Pacemakers and Implantable Cardioverter-Defibrillators Across a Cross Population. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 991-1002.	3.2	13
13	Evaluation of cardiac valvular regurgitant lesions by cardiac MRI sequences: comparison of a four-valve semi-quantitative versus quantitative approach. <i>Journal of Heart Valve Disease</i> , 2013, 22, 491-9.	0.5	12
14	Provocative maneuvers to improve patent foramen ovale detection: A brief review of the literature. <i>Echocardiography</i> , 2019, 36, 783-786.	0.9	11
15	Impact of transcatheter aortic valve replacement on left ventricular hypertrophy, diastolic dysfunction and quality of life in patients with preserved left ventricular function. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 485-492.	1.5	11
16	Can cardiovascular MRI be used to more definitively characterize cardiac masses initially identified using echocardiography?. <i>Echocardiography</i> , 2018, 35, 735-742.	0.9	10
17	Cardiohepatic risk assessment by CMR imaging in liver transplant candidates. <i>Clinical Transplantation</i> , 2018, 32, e13229.	1.6	9
18	Cardiac Sarcoidosis or Giant Cell Myocarditis? On Treatment Improvement of Fulminant Myocarditis as Demonstrated by Cardiovascular Magnetic Resonance Imaging. <i>Case Reports in Cardiology</i> , 2012, 2012, 1-5.	0.2	8

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19	Contemporary use of cardiac imaging for COVID-19 patients: a three center experience defining a potential role for cardiac MRI. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1721-1733.	1.5	8
20	Quantification of Cardiac Output with Phase Contrast Magnetic Resonance Imaging in Patients with Pulmonary Hypertension. <i>Journal of Clinical Imaging Science</i> , 2020, 10, 26.	1.1	8
21	Right Heart Function in Critically Ill Patients at Risk for Acute Right Heart Failure: A Description of Right Ventricular-Pulmonary Arterial Coupling, Ejection Fraction and Pulmonary Artery Pulsatility Index. <i>Heart Lung and Circulation</i> , 2020, 29, 867-873.	0.4	7
22	Integrated use of cardiac MRI and the CardioMEMS <sup>®</sup> , <sup>®</sup> HF system in PAH: the utility of coincident pressure and volume in RV failure—the NHLBI-VITA trial. <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, 492-501.	1.7	5
23	A review of the pivotal role of cardiac MRI in mitral valve regurgitation. <i>Echocardiography</i> , 2021, 38, 128-141.	0.9	5
24	Dynamic cardiac anatomy: the "cypress tree" papillary muscle root. <i>Journal of Cardiovascular and Thoracic Research</i> , 2018, 10, 138-143.	0.9	5
25	Investigating Cardiac MRI Based Right Ventricular Contractility as a Novel Non-Invasive Metric of Pulmonary Arterial Pressure. <i>Clinical Medicine Insights: Cardiology</i> , 2014, 8s1, CMC.S15711.	1.8	4
26	Regional Heterogeneity in 3D Myocardial Shortening in Hypertensive Left Ventricular Hypertrophy: A Cardiovascular CMR Tagging Substudy to the Life Study. <i>Journal of Biomedical Science and Engineering</i> , 2015, 08, 213-225.	0.4	4
27	Aortic flow conditions predict ejection efficiency in the NHLBI-Sponsored Women's Ischemia Syndrome Evaluation (WISE). <i>Cardiovascular Diagnosis and Therapy</i> , 2017, 7, 288-295.	1.7	3
28	Spiral Hypertrophic Cardiomyopathy as Detected by Cardiac Magnetic Resonance. <i>Echocardiography</i> , 2014, 31, E88-91.	0.9	2
29	Can 3D RVEF be Prognostic for the Non-Ischemic Cardiomyopathy Patient but not the Ischemic Cardiomyopathy Patient? A Cardiovascular MRI Study. <i>Diagnostics</i> , 2019, 9, 16.	2.6	2
30	Impact of the 2016 ASE/EACVI Guidelines on diastolic function reporting in routine clinical practice. <i>Echocardiography</i> , 2020, 37, 546-553.	0.9	2
31	Use of bio-informatics assessment schema (BIAS) to improve diagnosis and prognosis of myocardial perfusion data: results from the NHLBI-sponsored women's ischemia syndrome evaluation (WISE). <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 424-431.	1.7	2
32	Is there an alternative explanation to post-myocardial infarction emergence of mitral regurgitation? A CMR-LGE observational study. <i>Journal of Heart Valve Disease</i> , 2013, 22, 669-74.	0.5	2
33	Pericardial Effusion Masquerading as an Aortic Dissection. <i>Echocardiography</i> , 2011, 28, E16-E18.	0.9	1
34	Diagnosis of Celiac Artery In-Stent Thrombosis by Transesophageal Echocardiography. <i>Echocardiography</i> , 2012, 29, E261-E263.	0.9	1
35	Echocardiography and cardiovascular <sc>MRI</sc> entwined within the imaging domain; uniting the two. A compendium for the echocardiographer. <i>Echocardiography</i> , 2018, 35, 551-558.	0.9	1
36	The use of contrast-enhanced transthoracic echocardiography for spiral-variant hypertrophic cardiomyopathy. <i>Echocardiography</i> , 2020, 37, 1873-1876.	0.9	1

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37	Calcified mass in the right atrium extending into the inferior vena cava with pulmonary artery embolization. Typical or atypical myxoma?. <i>Echocardiography</i> , 2020, 37, 1130-1133.	0.9	1
38	A prominent brachiocephalic vein masquerading as an aortic dissection flap on transthoracic echocardiogram: A case for multimodality imaging. <i>Echocardiography</i> , 2020, 37, 351-355.	0.9	1
39	The Novelty of Icosapent Ethyl in the Management of Hypertriglyceridemia and Alleviating Cardiovascular Risk. <i>Journal of Lipids</i> , 2021, 2021, 1-5.	4.8	1
40	Where do we go from here? Beyond the MagnaSafe trial: A focus beyond a "safety-first"™ notion. An MRI study in 500 consecutive patients. <i>International Journal of Cardiology</i> , 2021, 336, 113-120.	1.7	1
41	Propitious temporal changes in clinical outcomes after transcatheter compared to surgical aortic valve replacement; a meta-analysis of over 65,000 patients. <i>Journal of Cardiothoracic Surgery</i> , 2021, 16, 312.	1.1	1
42	Concurrent arterial and venous thrombosis in a patient with catastrophic antiphospholipid syndrome. <i>Caspian Journal of Internal Medicine</i> , 2021, 12, S487-S490.	0.2	1
43	Gargantuan Left Atrium: A Sequela of Mitral Regurgitation and Mitral Stenosis. <i>Echocardiography</i> , 2015, 32, 1033-1035.	0.9	0
44	A Benign Cardiac Growth but Not So Indolent. <i>Case Reports in Cardiology</i> , 2016, 2016, 1-4.	0.2	0
45	Incremental value of contrast echocardiography in the evaluation of a cardiac thrombus. <i>Echocardiography</i> , 2017, 34, 296-298.	0.9	0
46	Cardiac Sarcoidosis Causing Ventricular Tachycardia After Myocardial Infarction. <i>JACC: Case Reports</i> , 2020, 2, 1056-1061.	0.6	0
47	Taking the time to get it bright: Use of ultrasound enhancing agent redirects clinical course of an unstable patient. <i>Journal of Cardiology Cases</i> , 2021, 23, 38-40.	0.5	0
48	Does chance really favor (only) the prepared mind? The role of MRI tissue-tagging in solving a most vexing problem for the interventionalist. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 3069-3072.	1.5	0
49	Improved approach to quantitative cardiac volumetrics using automatic thresholding and manual trimming: a cardiovascular MRI study. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	1.5	0
50	Abstract 16181: Impact of Magnetic Resonance Imaging on Functional Integrity of Non-conditional Cardiovascular Implantable Electronic Devices. <i>Circulation</i> , 2020, 142, .	1.6	0
51	A Model Incorporating Left Ventricular Impedance Index may be Explanatory for Late Pulmonary Vein Isolation Failure.. , 2020, 6, .		0