Elie Mousseaux

List of Publications by Year
in descending order

156 papers	4,489 citations	117453 34 h-index	123241 61 g-index
160 all docs	160 docs citations	160 times ranked	5655 citing authors

#	Article	IF	Citations
1	Reduced Ascending Aortic Strain and Distensibility. Hypertension, 2010, 55, 319-326.	1.3	318
2	Skeletal Myoblast Transplantation in Ischemic Heart Failure: Long-Term Follow-Up of the First Phase I Cohort of Patients. Circulation, 2006, 114, I-108-I-113.	1.6	248
3	Age-Related Changes in Aortic Arch Geometry. Journal of the American College of Cardiology, 2011, 58, 1262-1270.	1.2	246
4	The type of variants at the COL3A1 gene associates with the phenotype and severity of vascular Ehlersâ€“Danlos syndrome. European Journal of Human Genetics, 2015, 23, 1657-1664.	1.4	173
5	Late systemic hypertension and aortic arch geometry after successful repair of coarctation of the aorta. European Heart Journal, 2004, 25, 1853-1859.	1.0	155
6	Fibromuscular Dysplasia of Cervical and Intracranial Arteries. International Journal of Stroke, 2010, 5, 296-305.	2.9	149
7	Angular (Gothic) aortic arch leads to enhanced systolic wave reflection, central aortic stiffness, and increased left ventricular mass late after aortic coarctation repair: Evaluation with magnetic resonance flow mapping. Journal of Thoracic and Cardiovascular Surgery, 2008, 135, 62-68.	0.4	117
8	High Prevalence of Multiple Arterial Bed Lesions in Patients With Fibromuscular Dysplasia. Hypertension, 2017, 70, 652-658.	1.3	115
9	Pulmonary Arterial Resistance: Noninvasive Measurement with Indexes of Pulmonary Flow Estimated at Velocity-encoded MR Imagingâ€”Preliminary Experience. Radiology, 1999, 212, 896-902.	3.6	110
10	Vascular Remodeling After â€œSuccessfulâ€•Repair of Coarctation. Journal of the American College of Cardiology, 2007, 49, 883-890.	1.2	107
11	Vascular Ehlers-Danlos Syndrome. Journal of the American College of Cardiology, 2019, 73, 1948-1957.	1.2	102
12	Increased central aortic stiffness and left ventricular mass in normotensive young subjects after successful coarctation repair. American Heart Journal, 2008, 155, 187-193.	1.2	96
13	Diagnosis and management of fibromuscular dysplasia: an expert consensus. European Journal of Clinical Investigation, 2012, 42, 338-347.	1.7	92
14	Automated segmentation of the aorta from phase contrast MR images: Validation against expert tracing in healthy volunteers and in patients with a dilated aorta. Journal of Magnetic Resonance Imaging, 2010, 31, 881-888.	1.9	88
15	Aortic arch shape deformation after coarctation surgery: Effect on blood pressure response. Journal of Thoracic and Cardiovascular Surgery, 2006, 132, 1105-1111.	0.4	74
16	Consistency of aortic distensibility and pulse wave velocity estimates with respect to the Bramwell-Hill theoretical model: a cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 11.	1.6	71
17	Measurement of aortic arch pulse wave velocity in cardiovascular MR: Comparison of transit time estimators and description of a new approach. Journal of Magnetic Resonance Imaging, 2011, 33, 1321-1329.	1.9	65
18	Cardiac Structure and Function in Cushing's Syndrome: A Cardiac Magnetic Resonance Imaging Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E2144-E2153.	1.8	65

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19	Automated left ventricular diastolic function evaluation from phase-contrast cardiovascular magnetic resonance and comparison with Doppler echocardiography. Journal of Cardiovascular Magnetic Resonance, 2010, 12, 63.	1.6	63
20	Detection of coronary complications after the arterial switch operation for transposition of the great arteries: First experience with multislice computed tomography in children. Journal of Thoracic and Cardiovascular Surgery, 2006, 131, 639-643.	0.4	62
21	Cardiac Metastatic Melanoma Investigated by Magnetic Resonance Imaging. Magnetic Resonance Imaging, 1998, 16, 91-95.	1.0	57
22	Frequent and Widespread Vascular Abnormalities in Human Signal Transducer and Activator of Transcription 3 Deficiency. Circulation: Cardiovascular Genetics, 2012, 5, 25-34.	5.1	56
23	Assessment of left atrial function by MRI myocardial feature tracking. Journal of Magnetic Resonance Imaging, 2015, 42, 379-389.	1.9	56
24	A polydioxanone electrospun valved patch to replace the right ventricular outflow tract in a growing lamb model. Biomaterials, 2010, 31, 4056-4063.	5.7	50
25	Follow-Up Electron Beam CT for the Management of Early Phase Takayasu Arteritis. Journal of Computer Assisted Tomography, 2001, 25, 924-931.	0.5	49
26	Non-surgical septal myocardial reduction by coil embolization for hypertrophic obstructive cardiomyopathy: early and 6 months follow-up. European Heart Journal, 2008, 29, 348-355.	1.0	49
27	Diagnostic Performance of Computed Tomography Coronary Angiography (from the Prospective) Tj ETQq1 1 0.784314 rgBT /Overloc	0.7	49
28	Aging Impact on Thoracic Aorta 3D Morphometry in Intermediate-Risk Subjects: Looking Beyond Coronary Arteries with Non-Contrast Cardiac CT. Annals of Biomedical Engineering, 2012, 40, 1028-1038.	1.3	47
29	Geometry is a major determinant of flow reversal in proximal aorta. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1408-H1416.	1.5	45
30	Left atrial aging: a cardiac magnetic resonance feature-tracking study. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H542-H549.	1.5	43
31	Evaluation of Aortic Valve Stenosis Using Cardiovascular Magnetic Resonance. Circulation: Cardiovascular Imaging, 2012, 5, 604-612.	1.3	41
32	High-precision MR velocity mapping by 3D-fourier phase encoding with a small number of encoding steps. Magnetic Resonance in Medicine, 1993, 29, 674-680.	1.9	40
33	Estimation of pressure gradients in pulsatile flow from magnetic resonance acceleration measurements. Magnetic Resonance in Medicine, 2000, 44, 66-72.	1.9	36
34	Automated estimation of aortic strain from steadyâ€state freeâ€precession and phase contrast MR images. Magnetic Resonance in Medicine, 2011, 65, 986-993.	1.9	36
35	The European/International Fibromuscular Dysplasia Registry and Initiative (FEIRI)â€"clinical phenotypes and their predictors based on a cohort of 1000 patients. Cardiovascular Research, 2021, 117, 950-959.	1.8	33
36	Aneurysmal sizing after endovascular repair in patients with abdominal aortic aneurysm: interobserver variability of various measurement protocols and its clinical relevance. European Radiology, 2003, 13, 2699-2704.	2.3	31

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37	Longitudinal strain of systemic right ventricle correlates with exercise capacity in adult with transposition of the great arteries after atrial switch. International Journal of Cardiology, 2016, 217, 28-34.	0.8	30
38	Arterial Stiffness as an Imaging Biomarker. Hypertension, 2013, 62, 10-12.	1.3	27
39	Resistant Hypertension and Atherosclerotic Renal Artery Stenosis. Hypertension, 2019, 74, 1516-1523.	1.3	27
40	Estimation of aortic pulse wave transit time in cardiovascular magnetic resonance using complex wavelet cross-spectrum analysis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 65.	1.6	26
41	Comparison of different methods for the estimation of aortic pulse wave velocity from 4D flow cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 75.	1.6	26
42	Automatic coronary artery calcium scoring from unenhanced-ECG-gated CT using deep learning. Diagnostic and Interventional Imaging, 2021, 102, 683-690.	1.8	26
43	Scan-rescan reproducibility of ventricular and atrial MRI feature tracking strain. Computers in Biology and Medicine, 2018, 92, 197-203.	3.9	26
44	Robust assessment of the transmural extent of myocardial infarction in late gadolinium-enhanced MRI studies using appropriate angular and circumferential subdivision of the myocardium. European Radiology, 2008, 18, 2140-2147.	2.3	25
45	How to calculate left ventricular mass in routine practice? An echocardiographic versus cardiac magnetic resonance study. Archives of Cardiovascular Diseases, 2011, 104, 343-351.	0.7	25
46	Identifying the Principal Modes of Variation in Human Thoracic Aorta Morphology. Journal of Thoracic Imaging, 2014, 29, 224-232.	0.8	25
47	Age-related changes of thoracic aorta geometry used to predict the risk for acute type B dissection. International Journal of Cardiology, 2017, 228, 654-660.	0.8	25
48	Acceleration mapping by fourier acceleration-encoding:in vitro study and initial results in the great thoracic vessels. Magnetic Resonance in Medicine, 1997, 38, 110-116.	1.9	24
49	Aldosterone-Related Myocardial Extracellular Matrix Expansion in Hypertension in Humans. JACC: Cardiovascular Imaging, 2020, 13, 2149-2159.	2.3	23
50	Risk stratification and screening for coronary artery disease in asymptomatic patients with diabetes mellitus: Position paper of the French Society of Cardiology and the French-speaking Society of Diabetology. Diabetes and Metabolism, 2021, 47, 101185.	1.4	23
51	Early Detection of Cardiovascular Changes After Radiotherapy for Breast Cancer: Protocol for a European Multicenter Prospective Cohort Study (MEDIRAD EARLY HEART Study). JMIR Research Protocols, 2018, 7, e178.	0.5	23
52	How to estimate aortic characteristic impedance from magnetic resonance and applanation tonometry data?. Journal of Hypertension, 2015, 33, 575-583.	0.3	22
53	Calculation of left ventricle relative pressure distribution in MRI using acceleration data. Magnetic Resonance in Medicine, 2005, 53, 877-884.	1.9	21
54	Early thoracic aorta enlargement in asymptomatic individuals at risk for cardiovascular disease: determinant factors and clinical implication. Journal of Hypertension, 2010, 28, 2134-2138.	0.3	20

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55	Role of myocardial collagen degradation and fibrosis in right ventricle dysfunction in transposition of the great arteries after atrial switch. International Journal of Cardiology, 2018, 258, 76-82.	0.8	20
56	Rare loss-of-function mutations of PTGIR are enriched in fibromuscular dysplasia. Cardiovascular Research, 2021, 117, 1154-1165.	1.8	20
57	Visual lung damage CT score at hospital admission of COVID-19 patients and 30-day mortality. European Radiology, 2021, 31, 8354-8363.	2.3	20
58	Coronary arteries arising from the contralateral aortic sinus: Electron beam computed tomographic demonstration of the initial course of the artery with respect to the aorta and the right ventricular outflow tract. Journal of Thoracic and Cardiovascular Surgery, 1996, 112, 836-840.	0.4	19
59	Magnetic resonance and applanation tonometry for noninvasive determination of left ventricular load and ventricular vascular coupling in the time and frequency domain. Journal of Hypertension, 2016, 34, 1099-1108.	0.3	19
60	Left Ventricle Replacement Fibrosis Detected by CMR Associated With Cardiovascular Events in Systemic Sclerosis Patients. Journal of the American College of Cardiology, 2018, 71, 703-705.	1.2	19
61	Machine learning in cardiovascular radiology: ESCR position statement on design requirements, quality assessment, current applications, opportunities, and challenges. European Radiology, 2021, 31, 3909-3922.	2.3	19
62	Interobserver Variability in Assessing Segmental Function can be Reduced by Combining Visual Analysis of CMR Cine Sequences with Corresponding Parametric Images of Myocardial Contraction. Journal of Cardiovascular Magnetic Resonance, 2007, 9, 863-872.	1.6	18
63	Evaluation of regional myocardial function using automated wall motion analysis of cine MR images: Contribution of parametric images, contraction times, and radial velocities. Journal of Magnetic Resonance Imaging, 2007, 26, 1127-1132.	1.9	18
64	Changes in segmental pulse wave velocity of the thoracic aorta with age and left ventricular remodelling. An MRI 4D flow study. Journal of Hypertension, 2020, 38, 118-126.	0.3	18
65	MR and applanation tonometry derived aortic impedance: Association with aging and left ventricular remodeling. Journal of Magnetic Resonance Imaging, 2015, 41, 781-787.	1.9	17
66	Analysis of aortic pressure fields from 4D flow MRI in healthy volunteers: Associations with age and left ventricular remodeling. Journal of Magnetic Resonance Imaging, 2019, 50, 982-993.	1.9	17
67	Semi-automated cardiac segmentation on cine magnetic resonance images using GVF-Snake deformable models. , 2009, , .		17
68	Impact of coronary artery calcium on cardiovascular risk categorization and lipid-lowering drug eligibility in asymptomatic hypercholesterolemic men. International Journal of Cardiology, 2011, 151, 200-204.	0.8	16
69	Age-specific changes in left ventricular diastolic function: A velocity-encoded magnetic resonance imaging study. European Radiology, 2015, 25, 1077-1086.	2.3	16
70	Aetiological classification and prognosis in patients with heart failure with preserved ejection fraction. ESC Heart Failure, 2022, 9, 519-530.	1.4	16
71	Correspondence Between Delayed Enhancement Patterns in Multislice Computed Tomography and Magnetic Resonance Imaging in a Case of Acute Myocarditis. Circulation, 2006, 114, e571-2.	1.6	14
72	Effects of cortisol on the heart: characterization of myocardial involvement in cushing's disease by longitudinal cardiac MRI T1 mapping. Journal of Magnetic Resonance Imaging, 2017, 45, 147-156.	1.9	14

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73	Differential impact of local and regional aortic stiffness on left ventricular remodeling. Journal of Hypertension, 2018, 36, 552-559.	0.3	14
74	MRI Evaluation of Local Myocardial Treatments: Epicardial Versus Endocardial (Cell-Fix Catheter) Injections. Journal of Interventional Cardiology, 2007, 20, 188-196.	0.5	13
75	Long-term changes in arterial structure and function and left ventricular geometry after enzyme replacement therapy in patients affected with Fabry disease. European Journal of Preventive Cardiology, 2012, 19, 43-54.	0.8	13
76	Fulminant Human Herpesvirus 6 Myocarditis in an Immunocompetent Adult. Circulation, 2013, 128, e445-7.	1.6	13
77	Simultaneous pressureâ€“volume measurements using optical sensors and MRI for left ventricle function assessment during animal experiment. Medical Engineering and Physics, 2015, 37, 100-108.	0.8	13
78	Estimation of left ventricular performance through temporal pressure variations measured by MR velocity and acceleration mappings. Journal of Magnetic Resonance Imaging, 2002, 16, 246-252.	1.9	12
79	Left ventricular and proximal aorta coupling in magnetic resonance imaging: aging together?. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H300-H307.	1.5	12
80	Angiographic and electron-beam computed tomography studies of retrograde cardioplegia via the coronary sinus. Journal of Thoracic and Cardiovascular Surgery, 1996, 112, 1046-1053.	0.4	11
81	Spontaneous coronary dissection of the left main stem after intense physical activityâ€”Regression under conservative strategy. International Journal of Cardiology, 2008, 128, e16-e18.	0.8	11
82	Automated estimation of regional mean transition times and radial velocities from cine magnetic resonance images: Evaluation in normal subjects. Journal of Magnetic Resonance Imaging, 2009, 30, 236-242.	1.9	11
83	Structure and function of the ascending aorta in palliated transposition of the great arteries. International Journal of Cardiology, 2013, 165, 458-462.	0.8	11
84	New estimate of valvuloarterial impedance in aortic valve stenosis: A cardiac magnetic resonance study. Journal of Magnetic Resonance Imaging, 2017, 45, 795-803.	1.9	11
85	Catheter ablation of intra-atrial reentrant/focal atrial tachycardia in adult congenital heart disease: Value of final programmed atrial stimulation. Heart Rhythm, 2020, 17, 1953-1959.	0.3	11
86	Association between coronary artery calcifications and 6-month mortality in hospitalized patients with COVID-19. Diagnostic and Interventional Imaging, 2021, 102, 717-725.	1.8	11
87	Correlations between echocardiographic parameters of right ventricular dysfunction and Galectin-3 in patients with chronic obstructive pulmonary disease and pulmonary hypertension. Medical Ultrasonography, 2015, 17, 487-95.	0.4	11
88	Magnetic resonance assessment of fibrosis in systemic right ventricle after atrial switch procedure. European Heart Journal, 2009, 30, 2613-2613.	1.0	10
89	Impaired atrioventricular transport in patients with transposition of the great arteries palliated by atrial switch and preserved systolic right ventricular function: A magnetic resonance imaging study. Congenital Heart Disease, 2017, 12, 458-466.	0.0	10
90	Association of calcium density in the thoracic aorta with risk factors and clinical events. European Radiology, 2020, 30, 3960-3967.	2.3	10

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91	Vascular Ehlersâ€“Danlos syndrome (vEDS): CT and histologic findings of pleural and lung parenchymal damage. European Radiology, 2021, 31, 6275-6285.	2.3	10
92	Three artificial intelligence data challenges based on CT and ultrasound. Diagnostic and Interventional Imaging, 2021, 102, 669-674.	1.8	10
93	Ventricular tachycardia and cardiac sarcoidosis: correspondence between MRI and electrophysiology. European Heart Journal, 2006, 27, 1430-1430.	1.0	9
94	Usefulness of maximal oxygen pulse in timing of pulmonary valve replacement in patients with isolated pulmonary regurgitation. Cardiology in the Young, 2016, 26, 1310-1318.	0.4	9
95	Impact of simultaneous measurement of central blood pressure with the SphygmoCor Xcel during MRI acquisition to better estimate aortic distensibility. Journal of Hypertension, 2019, 37, 1448-1454.	0.3	9
96	Neopulmonary Outflow Tract Obstruction Assessment by 4D Flow MRI in Adults With Transposition of the Great Arteries After Arterial Switch Operation. Journal of Magnetic Resonance Imaging, 2020, 51, 1699-1705.	1.9	9
97	Impact of histopathological changes in ascending aortic diseases. International Journal of Cardiology, 2020, 311, 91-96.	0.8	9
98	Thoracic Aorta Calcium Detection and Quantification Using Convolutional Neural Networks in a Large Cohort of Intermediate-Risk Patients. Tomography, 2021, 7, 636-649.	0.8	9
99	Subclinical Left Ventricular Dysfunction Detected by Speckle-Tracking Echocardiography in Breast Cancer Patients Treated With Radiation Therapy: A Six-Month Follow-Up Analysis (MEDIRAD EARLYâ€HEART) Tj ETQq1 1 0.784314 rgBT		
100	Optimal follow-up in adult patients with congenital heart disease and chronic pulmonary regurgitation: Towards tailored use of cardiac magnetic resonance imaging. Archives of Cardiovascular Diseases, 2013, 106, 27-35.	0.7	8
101	Association of thoracic aorta calcium and non cardiac vascular events in cardiac disease-free individuals. Atherosclerosis, 2016, 245, 22-27.	0.4	8
102	Head-to-head comparison of the diagnostic performance of coronary computed tomography angiography and dobutamine-stress echocardiography in the evaluation of acute chest pain with normal ECG findings and negative troponin tests: A prospective multicenter study. International Journal of Cardiology, 2017, 241, 463-469.	0.8	8
103	Effects on Aortoiliac Fluid Dynamics After Endovascular Sealing of Abdominal Aneurysms. Vascular and Endovascular Surgery, 2018, 52, 621-628.	0.3	8
104	Comprehensive assessment of local and regional aortic stiffness in patients with tricuspid or bicuspid aortic valve aortopathy using magnetic resonance imaging. International Journal of Cardiology, 2021, 326, 206-212.	0.8	8
105	Renal Outcome and New-Onset Renal and Extrarenal Dissections in Patients With Nontrauma Renal Artery Dissection Associated With Renal Infarction. Hypertension, 2021, 78, 51-61.	1.3	8
106	Left ventricular diastolic early and late filling quantified from 4D flow magnetic resonance imaging. Diagnostic and Interventional Imaging, 2022, 103, 345-352.	1.8	8
107	"ART-FUN": an integrated software for functional analysis of the aorta. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	1.6	7
108	Cryoglobulin-Induced Cardiomyopathy. Journal of the American College of Cardiology, 2010, 55, e13.	1.2	7

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109	Unknown Complication of Arterial Switch Operation. Circulation, 2013, 128, e466-8.	1.6	7
110	Association Between Thoracic Aorta Calcium and Thoracic Aorta Geometry in a Cohort of Asymptomatic Participants at Increased Cardiovascular Risk. Revista Espanola De Cardiologia (English) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	7
111	Quantitative <scp>magnetic resonance imaging</scp> measures of <scp>threeâ€dimensional</scp> aortic morphology in healthy aging and hypertension. Journal of Magnetic Resonance Imaging, 2021, 53, 1471-1483.	1.9	7
112	Male Sex Is Associated With Cervical Artery Dissection in Patients With Fibromuscular Dysplasia. Journal of the American Heart Association, 2021, 10, e018311.	1.6	7
113	Deformable Surface Model for the Evaluation of Abdominal Aortic Aneurysms Treated with an Endovascular Sealing System. Annals of Biomedical Engineering, 2016, 44, 1381-1391.	1.3	6
114	Automatic correction of background phase offset in 4D-flow of great vessels and of the heart in MRI using a third-order surface model. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 629-642.	1.1	6
115	Risk stratification and screening for coronary artery disease in asymptomatic patients with diabetes mellitus: Position paper of the French Society of Cardiology and the French-speaking Society of Diabetology. Archives of Cardiovascular Diseases, 2021, 114, 150-172.	0.7	6
116	Comparison of the damage to aorta wall in aortitis versus noninflammatory degenerative aortic diseases. Cardiovascular Pathology, 2021, 52, 107329.	0.7	6
117	Catheter ablation in adults with congenital heart disease: A 15-year perspective from a tertiary centre. Archives of Cardiovascular Diseases, 2021, 114, 455-464.	0.7	6
118	Modeling anisotropic undersampling of magnetic resonance angiographies and reconstruction of a high-resolution isotropic volume using half-quadratic regularization techniques. Signal Processing, 2004, 84, 743-762.	2.1	5
119	Percutaneous Closure of a False Aneurysm of the Right Ventricle in a Congenital Heart Disease Patient. Circulation, 2007, 115, e400-2.	1.6	5
120	A case of pericoronary pseudotumor due to localized Castleman's disease. Cardiovascular Pathology, 2009, 18, 375-378.	0.7	5
121	Inverted stress (Takotsubo) cardiomyopathy following Caesarean section: Insights from cardiac magnetic resonance. International Journal of Cardiology, 2013, 165, e38-e39.	0.8	5
122	Kinetic index combining native and postcontrast myocardial T1 in hypertrophic cardiomyopathy. Journal of Magnetic Resonance Imaging, 2015, 42, 1713-1722.	1.9	5
123	Abdominal Aortic Aneurysm Volumetric Evaluation During Mid-term Follow-Up After Endovascular Sealing Using the Nellixâ„¢ Device. Cardiovascular Engineering and Technology, 2019, 10, 22-31.	0.7	5
124	An unusual combination of possible causes of sudden death imaged by 64-slice computed tomography. International Journal of Cardiology, 2008, 128, e91-e92.	0.8	4
125	Right ventricular diastolic function in aging: a head-to-head comparison between phase-contrast MRI and Doppler echocardiography. International Journal of Cardiovascular Imaging, 2021, 37, 663-674.	0.7	4
126	In vivo comparison of two through-plane MR velocity mapping methods: Fast fourier encoding and phase mapping. Journal of Magnetic Resonance Imaging, 1994, 4, 719-724.	1.9	3

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127	Spatial regularization of flow patterns in magnetic resonance velocity mapping. Journal of Magnetic Resonance Imaging, 1999, 10, 851-860.	1.9	3
128	Partial anomalous pulmonary venous return in adults with prior curative congenital heart surgery detected by cross-sectional imaging techniques. International Journal of Cardiology, 2013, 168, e109-e110.	0.8	3
129	Aortic Stiffening, Aortic Blood Flow Reversal, and Renal Blood Flow. Hypertension, 2015, 66, 10-12.	1.3	2
130	Temporal registration: a new approach to manage the incomplete recovery of the longitudinal magnetization in the Modified Look-Locker Inversion Recovery sequence (MOLLI) for T1 mapping of the heart. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 569-580.	1.1	2
131	Regional assessment of vascular morphology and hemodynamics: methodology and evaluation for abdominal aortic aneurysms after endovascular repair. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1060-1070.	0.9	2
132	Coronary artery calcifications and 6-month mortality in patients with COVID-19 without known atheromatous disease. Archives of Cardiovascular Diseases, 2022, , .	0.7	2
133	Definitive diagnosis of ruptured sinus of Valsalva in a patient with ventricular septal defect using cardiac magnetic resonance imaging. European Heart Journal Cardiovascular Imaging, 2012, 13, 364-364.	0.5	1
134	Age-related variations in left ventricular diastolic parameters assessed automatically from phase-contrast cardiovascular magnetic resonance data: comparison against doppler echocardiography. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	1
135	Pixel-wise absolute pressures in the aortic arch from 3D MRI velocity data and carotid artery applanation tonometry. , 2014, 2014, 5105-8.		1
136	Inter-study repeatability of left ventricular strain measurement using feature tracking on MRI cine images. , 2015, , .		1
137	Blunt Cardiac Injuries Due to Rubber Bullets. Circulation: Cardiovascular Imaging, 2020, 13, e010485.	1.3	1
138	Determination of Systemic and Regional Arterial Structure and Function. , 2014, , 51-62.		1
139	Multimodality imaging before persistent truncus arteriosus repair in a 36-year-old woman. European Heart Journal - Case Reports, 2020, 4, 1-2.	0.3	1
140	Diastolic Function Assessment of Left and Right Ventricles by <scp>MRI</scp> in Systemic Sclerosis Patients. Journal of Magnetic Resonance Imaging, 2022, , .	1.9	1
141	Deep Learning-based Automated Aortic Area and Distensibility Assessment: the Multi-Ethnic Study of Atherosclerosis (MESA). Journal of Digital Imaging, 2022, 35, 594-604.	1.6	1
142	Response to Letter Regarding Article, â€œUnknown Complication of Arterial Switch Operation: Resistant Hypertension Induced by a Strong Aortic Arch Angulationâ€• Circulation, 2014, 130, e101.	1.6	0
143	An uncommon biventricular dysplasia with fibro-fatty replacement. International Journal of Cardiovascular Imaging, 2014, 30, 465-466.	0.7	0
144	3D myocardial wall stress assessed by cardiac magnetic resonance and non invasive aortic blood pressure in patients with severe aortic valve stenosis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P17.	1.6	0

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145	Estimation of aortic pulse wave transit time in MRI using complex wavelet cross-spectrum analysis. , 2015, , .		0
146	Right ventricular diastolic function evaluation in magnetic resonance imaging. , 2015, , .		0
147	Valsalva sinus asymmetry in bicuspid aortic valve: diameter through fused cusp is smaller than diameter through nonfused cusp but maximal diameter is the same whatever the phenotype when estimated by CMR. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P203.	1.6	0
148	T1 mapping in Cushing's disease: a follow-up study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P310.	1.6	0
149	Functional left atrial CMR parameters are early predictors of left atrial alterations in hypertension and strongly associated with lv remodeling. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P355.	1.6	0
150	CMR left atrial characterization in Cushing's syndrome: a feature tracking study. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	1.6	0
151	Left atrium dysfunction by CMR in aortic valve stenosis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	1.6	0
152	Associations between native myocardial T1 and diastolic function evaluated by PC-CMR in patients with severe aortic valve stenosis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q18.	1.6	0
153	Atrio-ventricular coupling in patients with transposition of the great arteries after atrial switch by Magnetic Resonance Imaging. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q94.	1.6	0
154	A fast and reproducible method to estimate left atrial volume using cardiac computed tomography. Diagnostic and Interventional Imaging, 2021, 102, 413-420.	1.8	0
155	Multimodality imaging before persistent truncus arteriosus repair in a 36-year-old woman. European Heart Journal - Case Reports, 2020, 4, 1-2.	0.3	0
156	Contribution of computed tomography in the assessment of multiple arterial embolisms related to the association of a large thrombus trapped in a patent foramen ovale and a thrombosed mitral valve prosthesis. European Heart Journal - Case Reports, 2020, 4, 1-2.	0.3	0