

# Bernhard L Gerber

## List of Publications by Year in descending order

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160  
papers

10,423  
citations

36203

51  
h-index

35952

97  
g-index

171  
all docs

171  
docs citations

171  
times ranked

10038  
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 591-600.	0.5	891
2	Quantitative Assessment of Intrinsic Regional Myocardial Deformation by Doppler Strain Rate Echocardiography in Humans. <i>Circulation</i> , 2002, 106, 50-56.	1.6	479
3	Standardization of adult transthoracic echocardiography reporting in agreement with recent chamber quantification, diastolic function, and heart valve disease recommendations: an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1301-1310.	0.5	477
4	Accurate and objective infarct sizing by contrast-enhanced magnetic resonance imaging in a canine myocardial infarction model. <i>Journal of the American College of Cardiology</i> , 2004, 44, 2383-2389.	1.2	457
5	Accuracy of Contrast-Enhanced Magnetic Resonance Imaging in Predicting Improvement of Regional Myocardial Function in Patients After Acute Myocardial Infarction. <i>Circulation</i> , 2002, 106, 1083-1089.	1.6	403
6	Characterization of Acute and Chronic Myocardial Infarcts by Multidetector Computed Tomography. <i>Circulation</i> , 2006, 113, 823-833.	1.6	396
7	Myocardial strain imaging: review of general principles, validation, and sources of discrepancies. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 605-619.	0.5	308
8	Microvascular Obstruction and Left Ventricular Remodeling Early After Acute Myocardial Infarction. <i>Circulation</i> , 2000, 101, 2734-2741.	1.6	270
9	Prognostic Significance of LGE by CMR in Aortic Stenosis Patients Undergoing Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2014, 64, 144-154.	1.2	243
10	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 592-598.	0.5	237
11	European Association of Preventive Cardiology (EAPC) and European Association of Cardiovascular Imaging (EACVI) joint position statement: recommendations for the indication and interpretation of cardiovascular imaging in the evaluation of the athlete's heart. <i>European Heart Journal</i> , 2018, 39, 1949-1969.	1.0	224
12	Myocardial first-pass perfusion cardiovascular magnetic resonance: history, theory, and current state of the art. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 18.	1.6	185
13	Clinical practice of contrast echocardiography: recommendation by the European Association of Cardiovascular Imaging (EACVI) 2017. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1205-1205af.	0.5	177
14	Myocardial Blood Flow, Glucose Uptake, and Recruitment of Inotropic Reserve in Chronic Left Ventricular Ischemic Dysfunction. <i>Circulation</i> , 1996, 94, 651-659.	1.6	171
15	Histological Validation of measurement of diffuse interstitial myocardial fibrosis by myocardial extravascular volume fraction from Modified Look-Locker imaging (MOLLI) T1 mapping at 3ÅT. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 48.	1.6	165
16	Imaging the Vulnerable Plaque. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1961-1979.	1.2	158
17	Prognostic Value of Myocardial Viability by Delayed-Enhanced Magnetic Resonance in Patients With Coronary Artery Disease and Low Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 825-835.	1.2	157
18	Mechanisms of Recurrent Aortic Regurgitation After Aortic Valve Repair. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 931-939.	2.3	154

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19	Aortic Valve Area Assessment: Multidetector CT Compared with Cine MR Imaging and Transthoracic and Transesophageal Echocardiography. <i>Radiology</i> , 2007, 244, 745-754.	3.6	152
20	Functional Anatomy of Aortic Regurgitation. <i>Circulation</i> , 2007, 116, 1264-9.	1.6	152
21	Multimodality imaging in patients with heart failure and preserved ejection fraction: an expert consensus document of the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, e34-e61.	0.5	140
22	Head-to-Head Comparison of Three-Dimensional Navigator-Gated Magnetic Resonance Imaging and 16-Slice Computed Tomography to Detect Coronary Artery Stenosis in Patients. <i>Journal of the American College of Cardiology</i> , 2005, 46, 92-100.	1.2	137
23	Time course of functional recovery after coronary artery bypass graft surgery in patients with chronic left ventricular ischemic dysfunction. <i>American Journal of Cardiology</i> , 2000, 85, 1432-1439.	0.7	135
24	Assessment of subendocardial vs. subepicardial left ventricular rotation and twist using two-dimensional speckle tracking echocardiography: comparison with tagged cardiac magnetic resonance. <i>European Heart Journal</i> , 2009, 30, 608-617.	1.0	105
25	Accurate estimation of global and regional cardiac function by retrospectively gated multidetector row computed tomography. <i>European Radiology</i> , 2006, 16, 1424-1433.	2.3	102
26	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. <i>BMJ: British Medical Journal</i> , 2019, 365, l1945.	2.4	99
27	Age and sex corrected normal reference values of T1, T2* and ECV in healthy subjects at 3T CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 72.	1.6	95
28	Quantitative Ischemia Detection During Cardiac Magnetic Resonance Stress Testing by Use of FastHARP. <i>Circulation</i> , 2003, 107, 2025-2030.	1.6	91
29	Prognostic Impact of Hypertrabeculation and Noncompaction Phenotype in Dilated Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 934-946.	2.3	89
30	Contribution of Exercise-Induced Mitral Regurgitation to Exercise Stroke Volume and Exercise Capacity in Patients With Left Ventricular Systolic Dysfunction. <i>Circulation</i> , 2002, 106, 1342-1348.	1.6	88
31	Valve repair improves the outcome of surgery for chronic severe aortic regurgitation: A propensity score analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1913-1920.	0.4	86
32	Meta-Analysis of the Prognostic Role of Late Gadolinium Enhancement and Global Systolic Impairment in Left Ventricular Noncompaction. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2141-2151.	2.3	84
33	Relation Between Gd-DTPA Contrast Enhancement and Regional Inotropic Response in the Periphery and Center of Myocardial Infarction. <i>Circulation</i> , 2001, 104, 998-1004.	1.6	82
34	Persistent diastolic dysfunction despite complete systolic functional recovery after reperfused acute myocardial infarction demonstrated by tagged magnetic resonance imaging. <i>European Heart Journal</i> , 2004, 25, 1419-1427.	1.0	80
35	Associations and prognostic significance of diffuse myocardial fibrosis by cardiovascular magnetic resonance in heart failure with preserved ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 55.	1.6	79
36	Natural History of Paradoxical Low-Gradient Severe Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 714-722.	1.3	75

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37	Preoperative Selection of Patients With Severely Impaired Left Ventricular Function for Coronary Revascularization. <i>Circulation</i> , 1995, 92, 37-44.	1.6	75
38	A joint procedural position statement on imaging in cardiac sarcoidosis: from the Cardiovascular and Inflammation & Infection Committees of the European Association of Nuclear Medicine, the European Association of Cardiovascular Imaging, and the American Society of Nuclear Cardiology. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1073-1089.	0.5	74
39	Additional Prognostic Value of 2D Right Ventricular Speckle-Tracking Strain for Prediction of Survival in Heart Failure and Reduced Ejection Fraction. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2373-2385.	2.3	74
40	Imaging the adult with congenital heart disease: a multimodality imaging approachâ€”position paper from the EACVI. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1077-1098.	0.5	71
41	Combined coronary and late-enhanced multidetector-computed tomography for delineation of the etiology of left ventricular dysfunction: comparison with coronary angiography and contrast-enhanced cardiac magnetic resonance imaging. <i>European Heart Journal</i> , 2008, 29, 2544-2551.	1.0	70
42	Do Guideline-Based Indications Result in an Outcome Penalty for Patients With Severe Aortic Regurgitation?. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2126-2138.	2.3	65
43	Multimodality imaging in the diagnosis, risk stratification, and management of patients with dilated cardiomyopathies: an expert consensus document from the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 1075-1093.	0.5	65
44	Planimetric and continuity equation assessment of aortic valve area: Head to head comparison between cardiac magnetic resonance and echocardiography. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1436-1443.	1.9	63
45	Evaluation of Anatomic Valve Opening and Leaflet Morphology in Aortic Valve Bioprosthesis by Using Multidetector CT: Comparison with Transthoracic Echocardiography. <i>Radiology</i> , 2010, 255, 377-385.	3.6	63
46	Myocardial delivery of colloid nanoparticles using ultrasound-targeted microbubble destruction. <i>European Heart Journal</i> , 2006, 27, 237-245.	1.0	60
47	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. <i>The Lancet Digital Health</i> , 2021, 3, e20-e28.	5.9	57
48	Myocardial perfusion and oxygen consumption in reperfused noninfarcted dysfunctional myocardium after unstable angina. <i>Journal of the American College of Cardiology</i> , 1999, 34, 1939-1946.	1.2	56
49	Spatially Resolved Imaging of Myocardial Function with Strain-encoded MR: Comparison with Delayed Contrast-enhanced MR Imaging after Myocardial Infarction. <i>Radiology</i> , 2004, 233, 596-602.	3.6	56
50	Late systolic onset of regional LV relaxation demonstrated in three-dimensional space by MRI tissue tagging. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1740-H1746.	1.5	56
51	Aortic Valve Area, Stroke Volume, Left Ventricular Hypertrophy, Remodeling, and Fibrosis in Aortic Stenosis Assessed by Cardiac Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 1009-1017.	1.3	52
52	Reduction of "no-reflow" phenomenon by intra-aortic balloon counterpulsation in a randomized magnetic resonance imaging experimental study. <i>Journal of the American College of Cardiology</i> , 2004, 43, 1291-1298.	1.2	51
53	Direct Comparison of Whole-Heart Navigator-Gated Magnetic Resonance Coronary Angiography and 40- and 64-Slice Multidetector Row Computed Tomography to Detect the Coronary Artery Stenosis in Patients Scheduled for Conventional Coronary Angiography. <i>Circulation: Cardiovascular Imaging</i> , 2008, 1, 114-121.	1.3	51
54	Correlation of functional recovery with myocardial blood flow, glucose uptake, and morphologic features in patients with chronic left ventricular ischemic dysfunction undergoing coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997, 113, 371-378.	0.4	48

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55	Connection Between Cardiac Vascular Permeability, Myocardial Edema, and Inflammation During Sepsis. <i>Critical Care Medicine</i> , 2013, 41, e411-e422.	0.4	48
56	Head-to-Head Comparison of Global and Regional Two-Dimensional Speckle Tracking Strain Versus Cardiac Magnetic Resonance Tagging in a Multicenter Validation Study. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	47
57	Coronary Artery Stenosis: Direct Comparison of Four-Section Multi-“Detector Row CT and 3D Navigator MR Imaging for Detection”Initial Results. <i>Radiology</i> , 2005, 234, 98-108.	3.6	46
58	Incidence, Determinants, and Prognostic Impact of Operative Refusal or Denial in Octogenarians With Severe Aortic Stenosis. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1107-1112.	0.7	46
59	A Randomized Trial on the Optimization of <sup>18</sup> F-FDG Myocardial Uptake Suppression: Implications for Vulnerable Coronary Plaque Imaging. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1629-1635.	2.8	45
60	Cardiac myxoma: a contemporary multimodality imaging review. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1789-1808.	0.7	45
61	Strategies for radiation dose reduction in nuclear cardiology and cardiac computed tomography imaging: a report from the European Association of Cardiovascular Imaging (EACVI), the Cardiovascular Committee of European Association of Nuclear Medicine (EANM), and the European Society of Cardiovascular Radiology (ESCR). <i>European Heart Journal</i> , 2018, 39, 286-296.	1.0	44
62	Right Ventricular Global Longitudinal Strain and Outcomes in Heart Failure with Preserved Ejection Fraction. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 973-984.e2.	1.2	43
63	Fibroblast growth factor 23: a biomarker of fibrosis and prognosis in heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 2494-2507.	1.4	43
64	Release of cardiac bio-markers during high mechanical index contrast-enhanced echocardiography in humans. <i>European Heart Journal</i> , 2007, 28, 1236-1241.	1.0	42
65	Usefulness of Cardiac Magnetic Resonance Imaging in Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2020, 13, e010356.	1.3	41
66	Markers of Myocardial Damage Predict Mortality in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2021, 78, 545-558.	1.2	41
67	Focus on echovascular imaging assessment of arterial disease: complement to the ESC guidelines (PARTIM 1) in collaboration with the Working Group on Aorta and Peripheral Vascular Diseases. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1195-1221.	0.5	40
68	Single-Vessel Coronary Artery Stenosis: Myocardial Perfusion Imaging with Gadomer-17 First-Pass MR Imaging in a Swine Model of Comparison with Gadopentetate Dimeglumine. <i>Radiology</i> , 2002, 225, 104-112.	3.6	39
69	Impact of Preoperative Symptoms on Postoperative Survival in Severe Aortic Stenosis: Implications for the Timing of Surgery. <i>Annals of Thoracic Surgery</i> , 2014, 97, 803-809.	0.7	39
70	Impact of left ventricular outflow tract ellipticity on the grading of aortic stenosis in patients with normal ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 37.	1.6	39
71	Unsupervised reconstruction of a three-dimensional left ventricular strain from parallel tagged cardiac images. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 743-754.	1.9	38
72	EACVI recommendations on cardiovascular imaging for the detection of embolic sources: endorsed by the Canadian Society of Echocardiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, e24-e57.	0.5	38

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73	The effect of intra-aortic balloon counterpulsation on left ventricular functional recovery early after acute myocardial infarction: a randomized experimental magnetic resonance imaging study. <i>European Heart Journal</i> , 2005, 26, 1235-1241.	1.0	36
74	Diagnostic accuracy of 16-slice multidetector-row CT for detection of in-stent restenosis vs detection of stenosis in nonstented coronary arteries. <i>European Radiology</i> , 2007, 17, 87-96.	2.3	36
75	The dysfunctional right ventricle: the importance of multi-modality imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 885-897.	0.5	33
76	Accuracy of the Flow Convergence Method for Quantification of Aortic Regurgitation in Patients With Central Versus Eccentric Jets. <i>American Journal of Cardiology</i> , 2008, 102, 475-480.	0.7	32
77	Multimodality imaging of myocardial viability: an expert consensus document from the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, e97-e125.	0.5	32
78	Electrocardiographic changes after head trauma. <i>Journal of Electrocardiology</i> , 2005, 38, 77-81.	0.4	30
79	Detection and Quantification of Myocardial Scars by Contrast-Enhanced 3D Echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 415-423.	1.3	30
80	Non-invasive cardiac imaging evaluation of patients with chronic systolic heart failure: a report from the European Association of Cardiovascular Imaging (EACVI). <i>European Heart Journal</i> , 2014, 35, 3417-3425.	1.0	30
81	Rationale and design of a multicentre, randomized, placebo-controlled trial of mirabegron, a Beta3-adrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease Beta3-left ventricular hypertrophy (Beta3-LVH). <i>ESC Heart Failure</i> , 2018, 5, 830-841.	1.4	29
82	Is Postsystolic Shortening a Marker of Viability in Chronic Left Ventricular Ischemic Dysfunction? Comparison with Late Enhancement Contrast Magnetic Resonance Imaging. <i>Journal of the American Society of Echocardiography</i> , 2008, 21, 452-457.	1.2	28
83	Long-term clinical outcome of mitral valve repair in asymptomatic severe mitral regurgitation. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 539-545.	0.6	28
84	Iron overload in polytransfused patients without heart failure is associated with subclinical alterations of systolic left ventricular function using cardiovascular magnetic resonance tagging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011, 13, 23.	1.6	28
85	Comprehensive assessment of the severity and mechanism of aortic regurgitation using multidetector CT and MR. <i>European Radiology</i> , 2010, 20, 326-336.	2.3	27
86	A multimodal spatiotemporal cardiac motion atlas from MR and ultrasound data. <i>Medical Image Analysis</i> , 2017, 40, 96-110.	7.0	27
87	Regional Multi-View Learning for Cardiac Motion Analysis: Application to Identification of Dilated Cardiomyopathy Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 956-966.	2.5	27
88	Usefulness of 40-slice multidetector row computed tomography to detect coronary disease in patients prior to cardiac valve surgery. <i>European Radiology</i> , 2007, 17, 3199-3207.	2.3	24
89	Diabetic phenotype and prognosis of patients with heart failure and preserved ejection fraction in a real life cohort. <i>Cardiovascular Diabetology</i> , 2021, 20, 48.	2.7	24
90	Relative Contribution of Afterload and Interstitial Fibrosis to Myocardial Function in Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 589-600.	2.3	23



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91	Testâ€retest reliability of left and right ventricular systolic function by new and conventional echocardiographic and cardiac magnetic resonance parameters. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 1157-1167.	0.5	23
92	Relationship Between Transmural Extent of Necrosis and Quantitative Recovery of Regional Strains After Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 720-730.	2.3	22
93	Right Ventricular Systolic Dysfunction Assessed by Cardiac Magnetic Resonance Is a Strong Predictor of Cardiovascular Death After Coronary Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2016, 101, 2176-2184.	0.7	22
94	Myocardial Injury Induced by Ultrasound-Targeted Microbubble Destruction: Evidence for the Contribution of Myocardial Ischemia. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 672-679.	0.7	21
95	Value of CMR to Differentiate Cardiac Angiosarcoma From Cardiac Lymphoma. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 744-746.	2.3	21
96	Is 18F-Flutemetamol PET/CT Able to Reveal Cardiac Amyloidosis?. <i>Clinical Nuclear Medicine</i> , 2014, 39, 747-749.	0.7	19
97	Head-to-Head Comparison of Inflammation and Neovascularization in Human Carotid Plaques. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	19
98	Stentless xenografts as an alternative to pulmonary homografts in the Ross operationâ€. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, e32-e39.	0.6	18
99	Assessment of aortic valve calcium load by multidetector computed tomography. Anatomical validation, impact of scanner settings and incremental diagnostic value. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 360-366.	0.7	18
100	Assessment of Left Ventricular Reverse Remodeling by Cardiac MRI in Patients Undergoing Repair Surgery for Severe Aortic or Mitral Regurgitation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1901-1911.	0.6	18
101	Prognostic Value of Pulmonary Transit Time by Cardiac Magnetic Resonance on Mortality and Heart Failure Hospitalization in Patients With Advanced Heart Failure and Reduced Ejection Fraction. <i>Circulation: Cardiovascular Imaging</i> , 2021, 14, e011680.	1.3	18
102	Magnetic Resonance Imaging of Myocardial Infarct. <i>Topics in Magnetic Resonance Imaging</i> , 2000, 11, 372-382.	0.7	17
103	Individual patient data meta-analysis for the clinical assessment of coronary computed tomography angiography: protocol of the Collaborative Meta-Analysis of Cardiac CT (CoMe-CCT). <i>Systematic Reviews</i> , 2013, 2, 13.	2.5	17
104	$\alpha$ V $\beta$ 3 integrin-targeted microSPECT/CT imaging of inflamed atherosclerotic plaques in mice. <i>EJNMMI Research</i> , 2016, 6, 29.	1.1	17
105	Cardiac myxoma imaging features and tissue characteristics at cardiovascular magnetic resonance. <i>International Journal of Cardiology</i> , 2016, 202, 950-951.	0.8	17
106	The role of echocardiography in aortic valve repair. <i>Annals of Cardiothoracic Surgery</i> , 2013, 2, 65-72.	0.6	17
107	Prevalence and Prognostic Impact of Valve Areaâ€Gradient Patterns in Patients â‰¥80 Years With Moderate-to-Severe Aortic Stenosis (from the Prospective BELFRAIL Study). <i>American Journal of Cardiology</i> , 2015, 116, 925-932.	0.7	16
108	Pulmonary hypertension due to left heart disease: diagnostic and prognostic value of CT in chronic systolic heart failure. <i>European Radiology</i> , 2018, 28, 4643-4653.	2.3	16

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109	Pulmonary hypertension detection by computed tomography pulmonary transit time in heart failure with reduced ejection fraction. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1291-1298.	0.5	16
110	Early surgical intervention versus watchful waiting and outcomes for asymptomatic severe aortic regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 1100-1108.	0.4	14
111	Validation of Semiautomated Quantification of Mitral Valve Regurgitation by Three-Dimensional Color Doppler Transesophageal Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 342-354.	1.2	14
112	High field magnetic resonance imaging of rodents in cardiovascular research. <i>Basic Research in Cardiology</i> , 2016, 111, 46.	2.5	13
113	Complete Heart Block Caused by Diffuse Pseudotumoral Cardiac Involvement in Granulomatosis With Polyangiitis. <i>Circulation</i> , 2015, 132, e207-10.	1.6	12
114	Improvements of Myocardial Deformation Assessment by Three-Dimensional Speckle-Tracking versus Two-Dimensional Speckle-Tracking Revealed by Cardiac Magnetic Resonance Tagging. <i>Journal of the American Society of Echocardiography</i> , 2018, 31, 1021-1033.e1.	1.2	12
115	Dnmt3a-mediated inhibition of Wnt in cardiac progenitor cells improves differentiation and remote remodeling after infarction. <i>JCI Insight</i> , 2017, 2, .	2.3	12
116	Risk area, infarct size, and the exposure of the wavefront phenomenon of myocardial necrosis in humans. <i>European Heart Journal</i> , 2007, 28, 1670-1672.	1.0	11
117	Quantification of Myocardial Perfusion and Myocardial Perfusion Reserve by Positron Emission Tomography and Cardiovascular Magnetic Resonance Imaging. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1556-1557.	1.2	11
118	Criteria for recommendation, expert consensus, and appropriateness criteria papers: update from the European Association of Cardiovascular Imaging Scientific Documents Committee. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 835-837.	0.5	9
119	Nuclear and Echocardiographic Imaging for Prediction of Reversible Left Ventricular Ischemic Dysfunction After Coronary Revascularization: Current Status and Future Directions. <i>Journal of Cardiovascular Pharmacology</i> , 1996, 28, 27-36.	0.8	9
120	How to evaluate cardiomyopathies by cardiovascular magnetic resonance parametric mapping and late gadolinium enhancement. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 587-589.	0.5	9
121	Exaggerated chronotropic and energetic response to dobutamine after orthotopic cardiac transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2001, 20, 824-832.	0.3	8
122	Successful repair of a quadricuspid aortic valve illustrated by transoesophageal echocardiography, 64-slice multidetector computed tomography, and cardiac magnetic resonance. <i>European Heart Journal</i> , 2007, 28, 2769-2769.	1.0	8
123	Echinococcosis of the Heart and Ascending Aorta. <i>Circulation</i> , 2012, 125, 185-187.	1.6	8
124	Pulmonary hypertension due to left heart disease: diagnostic value of pulmonary artery distensibility. <i>European Radiology</i> , 2020, 30, 6204-6212.	2.3	8
125	Multivendor comparison of global and regional 2D cardiovascular magnetic resonance feature tracking strains vs tissue tagging at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 54.	1.6	8
126	Role of Cardiovascular Magnetic Resonance in Native Valvular Regurgitation: A Comprehensive Review of Protocols, Grading of Severity, and Prediction of Valve Surgery. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	8



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127	Direct comparison between 2-dimensional and 3-dimensional PET acquisition modes for myocardial blood flow absolute quantification with O-15 water and N-13 ammonia. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 220-224.	1.4	7
128	MRI versus CT for the detection of coronary artery disease: Current state and future promises. <i>Current Cardiology Reports</i> , 2007, 9, 72-78.	1.3	7
129	In-Vivo Evaluation of Atherosclerotic Plaque Inflammation and of Anti-Inflammatory Effects of Statins by 18F-Fluorodeoxyglucose Positron Emission Tomography. <i>Journal of the American College of Cardiology</i> , 2013, 62, 918-920.	1.2	6
130	Platelet Acetyl-CoA Carboxylase Phosphorylation. <i>JACC Basic To Translational Science</i> , 2019, 4, 596-610.	1.9	6
131	Heart failure with preserved ejection fraction in Belgium: characteristics and outcome of a real-life cohort. <i>Acta Cardiologica</i> , 2021, 76, 697-706.	0.3	6
132	Structural and Functional Correlates of Gradient-Area Patterns in Severe Aortic Stenosis and Normal Ejection Fraction. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 525-536.	2.3	6
133	MR perfusion imaging. What will be its impact for detection of coronary disease in the future?. <i>European Heart Journal</i> , 2008, 29, 434-435.	1.0	5
134	Test-retest reproducibility of cardiac magnetic resonance imaging in healthy mice at 7-Tesla: effect of anesthetic procedures. <i>Scientific Reports</i> , 2017, 7, 6698.	1.6	5
135	Myocardial blood flow, metabolism, and inotropic reserve in dogs with dysfunctional noninfarcted collateral-dependent myocardium. <i>Journal of Nuclear Medicine</i> , 2002, 43, 556-65.	2.8	5
136	Flow-function relationships in chronic left-ventricular ischemic dysfunction: Impact of the transmural of infarction. <i>Journal of Nuclear Cardiology</i> , 2008, 15, 363-374.	1.4	3
137	Multiview Machine Learning Using an Atlas of Cardiac Cycle Motion. <i>Lecture Notes in Computer Science</i> , 2018, , 3-11.	1.0	3
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