

Burkert Pieske

List of Publications by Year in descending order

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Version: 2024-02-01

203
papers

13,102
citations

53794

45
h-index

25787

108
g-index

204
all docs

204
docs citations

204
times ranked

16438
citing authors

#	ARTICLE	IF	CITATIONS
1	2014 ESC Guidelines on diagnosis and management of hypertrophic cardiomyopathy. <i>European Heart Journal</i> , 2014, 35, 2733-2779.	2.2	3,469
2	How to diagnose heart failure with preserved ejection fraction: the HFAâ€PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2019, 40, 3297-3317.	2.2	944
3	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	30.7	801
4	Periodontitis and cardiovascular diseases: Consensus report. <i>Journal of Clinical Periodontology</i> , 2020, 47, 268-288.	4.9	636
5	Impaired Systolic Function by Strain Imaging in Heart Failure With Preserved Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2014, 63, 447-456.	2.8	591
6	Effect of Vericiguat, a Soluble Guanylate Cyclase Stimulator, on Natriuretic Peptide Levels in Patients With Worsening Chronic Heart Failure and Reduced Ejection Fraction. <i>JAMA - Journal of the American Medical Association</i> , 2015, 314, 2251.	7.4	288
7	Vericiguat in patients with worsening chronic heart failure and preserved ejection fraction: results of the SOLuble guanylate Cyclase stimulator in heArT failurE patients with PRESERVED EF (SOCRATES-PRESERVED) study. <i>European Heart Journal</i> , 2017, 38, 1119-1127.	2.2	285
8	Developing Therapies for Heart Failure WithÂPreservedÂEjection Fraction. <i>JACC: Heart Failure</i> , 2014, 2, 97-112.	4.1	267
9	Right heart dysfunction and failure in heart failure with preserved ejection fraction: mechanisms and management. Position statement on behalf of the Heart Failure Association of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2018, 20, 16-37.	7.1	239
10	How to diagnose heart failure with preserved ejection fraction: the HFAâ€PEFF diagnostic algorithm: a consensus recommendation from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Journal of Heart Failure</i> , 2020, 22, 391-412.	7.1	193
11	Clinical characteristics of patients from the worldwide registry on peripartum cardiomyopathy (<sc>PPCM</sc>). <i>European Journal of Heart Failure</i> , 2017, 19, 1131-1141.	7.1	163
12	Effect of High-Intensity Interval Training, Moderate Continuous Training, or Guideline-Based Physical Activity Advice on Peak Oxygen Consumption in Patients With Heart Failure With Preserved Ejection Fraction. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 542.	7.4	144
13	Signaling pathways involved in vascular smooth muscle cell calcification during hyperphosphatemia. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2077-2091.	5.4	127
14	Normal range and usefulness of right ventricular systolic strain to detect subtle right ventricular systolic abnormalities in patients with heart failure: a multicentre study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 212-223.	1.2	126
15	Mechanical Unloading by Fulminant Myocarditis: LV-IMPELLA, ECMELLA, BI-PELLA, and PROPELLA Concepts. <i>Journal of Cardiovascular Translational Research</i> , 2019, 12, 116-123.	2.4	125
16	Heart failure with preserved ejection fraction: uncertainties and dilemmas. <i>European Journal of Heart Failure</i> , 2015, 17, 665-671.	7.1	124
17	Treatments targeting inotropy. <i>European Heart Journal</i> , 2019, 40, 3626-3644.	2.2	123
18	Rationale and design of the <sc>SOLuble</sc> guanylate Cyclase <sc>stimulator</sc> in <sc>heArT failurE</sc> Studies (<sc>SOCRATES</sc>). <i>European Journal of Heart Failure</i> , 2014, 16, 1026-1038.	7.1	119

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19	SK1 induces vascular smooth muscle cell calcification through NF- κ B signaling. <i>Journal of Clinical Investigation</i> , 2018, 128, 3024-3040.	8.2	114
20	Zinc Inhibits Phosphate-Induced Vascular Calcification through TNFAIP3-Mediated Suppression of NF- κ B. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1636-1648.	6.1	109
21	Left Atrium in Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2014, 7, 1042-1049.	3.9	104
22	Clinical presentation, management, and 6-month outcomes in women with peripartum cardiomyopathy: an ESC EORP registry. <i>European Heart Journal</i> , 2020, 41, 3787-3797.	2.2	101
23	Plasma Biomarkers Reflecting Profibrotic Processes in Heart Failure With a Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2016, 9, .	3.9	93
24	Effects of exercise training on different quality of life dimensions in heart failure with preserved ejection fraction: the Ex-DHF-P trial. <i>European Journal of Preventive Cardiology</i> , 2015, 22, 582-593.	1.8	85
25	Patient-reported outcomes in the SOLuble guanylate Cyclase stimulator in heart failure patientS with PRESERVED ejection fraction (SOCRATES-PRESERVED) study. <i>European Journal of Heart Failure</i> , 2017, 19, 782-791.	7.1	84
26	An integrative translational approach to study heart failure with preserved ejection fraction: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , 2018, 20, 216-227.	7.1	81
27	Studying the pathophysiology of coronavirus disease 2019: a protocol for the Berlin prospective COVID-19 patient cohort (Pa-COVID-19). <i>Infection</i> , 2020, 48, 619-626.	4.7	79
28	Association between renal function and cardiovascular structure and function in heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2014, 35, 3442-3451.	2.2	78
29	Update on Myocarditis and Inflammatory Cardiomyopathy: Reemergence of Endomyocardial Biopsy. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 178-187.	0.6	76
30	Early Remodeling of Perinuclear Ca ²⁺ Stores and Nucleoplasmic Ca ²⁺ Signaling During the Development of Hypertrophy and Heart Failure. <i>Circulation</i> , 2014, 130, 244-255.	1.6	74
31	Augmentation of phosphate-induced osteo-/chondrogenic transformation of vascular smooth muscle cells by homoarginine. <i>Cardiovascular Research</i> , 2016, 110, 408-418.	3.8	73
32	Left ventricular longitudinal systolic function analysed by 2D speckle-tracking echocardiography in heart failure with preserved ejection fraction: a meta-analysis. <i>Open Heart</i> , 2017, 4, e000630.	2.3	72
33	Long-term outcome of patients with virus-negative chronic myocarditis or inflammatory cardiomyopathy after immunosuppressive therapy. <i>Clinical Research in Cardiology</i> , 2016, 105, 1011-1020.	3.3	71
34	Conducting clinical trials in heart failure during (and after) the COVID-19 pandemic: an Expert Consensus Position Paper from the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). <i>European Heart Journal</i> , 2020, 41, 2109-2117.	2.2	65
35	Biomarker-based phenotyping of myocardial fibrosis identifies patients with heart failure with preserved ejection fraction resistant to the beneficial effects of spironolactone: results from the Aldo-DHF trial. <i>European Journal of Heart Failure</i> , 2018, 20, 1290-1299.	7.1	64
36	Comparison of feature tracking, fastENC, and myocardial tagging for global and segmental left ventricular strain. <i>ESC Heart Failure</i> , 2020, 7, 523-532.	3.1	64

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37	Pathogenic Role of the Damage-Associated Molecular Patterns S100A8 and S100A9 in Coxsackievirus B3-Induced Myocarditis. <i>Circulation: Heart Failure</i> , 2017, 10, .	3.9	63
38	Optimising exercise training in prevention and treatment of diastolic heart failure (OptimEx-CLIN): rationale and design of a prospective, randomised, controlled trial. <i>European Journal of Preventive Cardiology</i> , 2014, 21, 18-25.	1.8	61
39	Functional Cardiac Lipolysis in Mice Critically Depends on Comparative Gene Identification-58. <i>Journal of Biological Chemistry</i> , 2013, 288, 9892-9904.	3.4	60
40	NOD2 (Nucleotide-Binding Oligomerization Domain 2) Is a Major Pathogenic Mediator of Coxsackievirus B3-Induced Myocarditis. <i>Circulation: Heart Failure</i> , 2017, 10, .	3.9	60
41	Reproducibility study on myocardial strain assessment using fast-SENC cardiac magnetic resonance imaging. <i>Scientific Reports</i> , 2018, 8, 14100.	3.3	60
42	High-Density Lipoproteins Reduce Endothelial-to-Mesenchymal Transition. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1774-1777.	2.4	58
43	Novel pathomechanisms of cardiomyocyte dysfunction in a model of heart failure with preserved ejection fraction. <i>European Journal of Heart Failure</i> , 2016, 18, 987-997.	7.1	53
44	Tolerability and Feasibility of Beta-Blocker Titration in HFpEF Versus HFrEF. <i>JACC: Heart Failure</i> , 2016, 4, 140-149.	4.1	49
45	Mode-of-action of the PROPELLA concept in fulminant myocarditis. <i>European Heart Journal</i> , 2019, 40, 2164-2169.	2.2	49
46	Subclinical Abnormalities in Sarcoplasmic Reticulum Ca ²⁺ Release Promote Eccentric Myocardial Remodeling and Pump Failure Death in Response to Pressure Overload. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1569-1579.	2.8	47
47	Effects of Elamipretide on Left Ventricular Function in Patients With Heart Failure With Reduced Ejection Fraction: The PROGRESS-HF Phase 2 Trial. <i>Journal of Cardiac Failure</i> , 2020, 26, 429-437.	1.7	46
48	Proteomic and Mechanistic Analysis of Spironolactone in Patients at Risk for HF. <i>JACC: Heart Failure</i> , 2021, 9, 268-277.	4.1	46
49	Atrial Fibrillation Complexity Parameters Derived From Surface ECGs Predict Procedural Outcome and Long-Term Follow-Up of Stepwise Catheter Ablation for Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2016, 9, e003354.	4.8	44
50	Fibulin-3 Attenuates Phosphate-Induced Vascular Smooth Muscle Cell Calcification by Inhibition of Oxidative Stress. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 1305-1316.	1.6	43
51	Exenatide exerts a PKA-dependent positive inotropic effect in human atrial myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 365-375.	1.9	40
52	Clinical Relevance of Left Atrial Strain to Predict Recurrence of Atrial Fibrillation after Catheter Ablation: A Meta-Analysis. <i>Echocardiography</i> , 2016, 33, 724-733.	0.9	40
53	IGFBP7 (Insulin-Like Growth Factor-Binding Protein-7) and Neprilysin Inhibition in Patients With Heart Failure. <i>Circulation: Heart Failure</i> , 2018, 11, e005133.	3.9	40
54	Multimodality imaging approach in the diagnosis of chronic myocarditis with preserved left ventricular ejection fraction (MCpEF): The role of 2D speckle-tracking echocardiography. <i>International Journal of Cardiology</i> , 2017, 243, 374-378.	1.7	38

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55	Circulating uromodulin inhibits vascular calcification by interfering with pro-inflammatory cytokine signalling. <i>Cardiovascular Research</i> , 2021, 117, 930-941.	3.8	38
56	Exercise training in Diastolic Heart Failure (Exâ€œDHF</sc>): rationale and design of a multicentre, prospective, randomized, controlled, parallel group trial. <i>European Journal of Heart Failure</i> , 2017, 19, 1067-1074.	7.1	37
57	PCSK9 regulates the chemokine receptor CCR2 on monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 312-318.	2.1	36
58	Left atrial strain predicts recurrence of atrial arrhythmias after catheter ablation of persistent atrial fibrillation. <i>Open Heart</i> , 2017, 4, e000572.	2.3	36
59	Telbivudine in chronic lymphocytic myocarditis and human parvovirus <sc>B19</sc> transcriptional activity. <i>ESC Heart Failure</i> , 2018, 5, 818-829.	3.1	36
60	Associations of Methylarginines and Homoarginine With Diastolic Dysfunction and Cardiovascular Risk Factors in Patients With Preserved Left Ventricular Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2014, 20, 923-930.	1.7	35
61	Rationale and Design of the VITALITY-HFpEF Trial. <i>Circulation: Heart Failure</i> , 2019, 12, e005998.	3.9	33
62	Diagnostic value of cardiovascular magnetic resonance in comparison to endomyocardial biopsy in cardiac amyloidosis: a multi-centre study. <i>Clinical Research in Cardiology</i> , 2021, 110, 555-568.	3.3	33
63	Impact of C-reactive protein on osteo/chondrogenic transdifferentiation and calcification of vascular smooth muscle cells. <i>Aging</i> , 2019, 11, 5445-5462.	3.1	33
64	Impact of diabetes and hypertension on the heart. <i>Current Opinion in Cardiology</i> , 2008, 23, 340-349.	1.8	32
65	Diastolic stress test echocardiography in patients with suspected heart failure with preserved ejection fraction: a pilot study. <i>ESC Heart Failure</i> , 2019, 6, 146-153.	3.1	32
66	Plasma Aldosterone and Left Ventricular Diastolic Function in Treatment-Na ⁺ -ve Patients With Hypertension. <i>Hypertension</i> , 2015, 65, 1231-1237.	2.7	31
67	Early-stage heart failure with preserved ejection fraction in the pig: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 63.	3.3	29
68	Investigating a biomarkerâ€œdriven approach to target collagen turnover in diabetic heart failure with preserved ejection fraction patients. Effect of torasemide versus furosemide on serum Câ€œterminal propeptide of procollagen type I (DROPâ€œPIP trial). <i>European Journal of Heart Failure</i> , 2018, 20, 460-470.	7.1	29
69	Rationale and design of a multicentre, randomized, placeboâ€œcontrolled trial of mirabegron, a Beta3â€œadrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease Beta3â€œleft ventricular hypertrophy (Beta3â€œLVH). <i>ESC Heart Failure</i> , 2018, 5, 830-841.	3.1	29
70	Left Ventricular Strain in Chemotherapy-Naive and Radiotherapy-Naive Patients With Cancer. <i>Canadian Journal of Cardiology</i> , 2018, 34, 281-287.	1.7	28
71	Performance of the New BioMonitor 2â€œAF Insertable Cardiac Monitoring System: Can Better be Worse?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2017, 40, 516-526.	1.2	27
72	Therapeutic Interference With Vascular Calcificationâ€œLessons From Klotho-Hypomorphic Mice and Beyond. <i>Frontiers in Endocrinology</i> , 2018, 9, 207.	3.5	27

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73	Cardiovascular magnetic resonance imaging feature tracking: Impact of training on observer performance and reproducibility. PLoS ONE, 2019, 14, e0210127.	2.5	27
74	Enhanced suicidal erythrocyte death in acute cardiac failure. European Journal of Clinical Investigation, 2015, 45, 1316-1324.	3.4	26
75	Prognostic performance of serial in-hospital measurements of copeptin and multiple novel biomarkers among patients with worsening heart failure: results from the <sc>MOLITOR</sc> study. ESC Heart Failure, 2018, 5, 288-296.	3.1	26
76	CMR Tissue Characterization in Patients with HFmrEF. Journal of Clinical Medicine, 2019, 8, 1877.	2.4	26
77	Head-to-head comparison of cardiovascular MR feature tracking cine versus acquisition-based deformation strain imaging using myocardial tagging and strain encoding. Magnetic Resonance in Medicine, 2021, 85, 357-368.	3.0	26
78	Lipid Metabolite Biomarkers in Cardiovascular Disease: Discovery and Biomechanism Translation from Human Studies. Metabolites, 2021, 11, 621.	2.9	26
79	Systems biology identifies cytosolic PLA2 as a target in vascular calcification treatment. JCI Insight, 2019, 4, .	5.0	25
80	Urocortin 2 stimulates nitric oxide production in ventricular myocytes via Akt- and PKA-mediated phosphorylation of eNOS at serine 1177. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H689-H700.	3.2	24
81	Interrelated aldosterone and parathyroid hormone mutually modify cardiovascular mortality risk. International Journal of Cardiology, 2015, 184, 710-716.	1.7	24
82	Strain-encoded cardiac magnetic resonance imaging: a new approach for fast estimation of left ventricular function. BMC Cardiovascular Disorders, 2019, 19, 52.	1.7	24
83	Evaluation of high-sensitivity C-reactive protein and uric acid in vericiguat-treated patients with heart failure with reduced ejection fraction. European Journal of Heart Failure, 2020, 22, 1675-1683.	7.1	24
84	The diagnostic and prognostic value of galectin-3 in patients at risk for heart failure with preserved ejection fraction: results from the DIAST-CHF study. ESC Heart Failure, 2021, 8, 829-841.	3.1	24
85	Heart omics™ in AGEing (HOMAGE): design, research objectives and characteristics of the common database. Journal of Biomedical Research, 2014, 28, 349.	1.6	24
86	Lower limit of normality and clinical relevance of left ventricular early diastolic strain rate for the detection of left ventricular diastolic dysfunction. European Heart Journal Cardiovascular Imaging, 2018, 19, 905-915.	1.2	22
87	Apolipoprotein A-I gene transfer exerts immunomodulatory effects and reduces vascular inflammation and fibrosis in ob/ob mice. Journal of Inflammation, 2016, 13, 25.	3.4	21
88	Myocardial T1 maps reflect histological findings in acute and chronic stages of myocarditis in a rat model. Journal of Cardiovascular Magnetic Resonance, 2016, 18, 19.	3.3	21
89	Left atrial function and maximal exercise capacity in heart failure with preserved and mid-range ejection fraction. ESC Heart Failure, 2021, 8, 116-128.	3.1	21
90	Defining the optimal temporal and spatial resolution for cardiovascular magnetic resonance imaging feature tracking. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 60.	3.3	21

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91	The non-invasive assessment of myocardial work by pressure-strain analysis: clinical applications. <i>Heart Failure Reviews</i> , 2022, 27, 1261-1279.	3.9	21
92	Range Variability in CMR Feature Tracking Multilayer Strain across Different Stages of Heart Failure. <i>Scientific Reports</i> , 2019, 9, 16478.	3.3	20
93	Long-term effects of Na ⁺ /Ca ²⁺ exchanger inhibition with ORM-1035 improves cardiac function and remodelling without lowering blood pressure in a model of heart failure with preserved ejection fraction. <i>European Journal of Heart Failure</i> , 2019, 21, 1543-1552.	7.1	20
94	Transcription Factor GATA4 Is Activated but Not Required for Insulin-like Growth Factor 1 (IGF1)-induced Cardiac Hypertrophy. <i>Journal of Biological Chemistry</i> , 2012, 287, 9827-9834.	3.4	19
95	Effects of long-term endurance and resistance training on diastolic function, exercise capacity, and quality of life in asymptomatic diastolic dysfunction vs. heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2014, 1, 59-74.	3.1	19
96	Amount or intensity? Potential targets of exercise interventions in patients with heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2018, 5, 53-62.	3.1	19
97	Role of SCK1 in the Osteogenic Transdifferentiation and Calcification of Vascular Smooth Muscle Cells Promoted by Hyperglycemic Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7207.	4.1	19
98	Sacubitril/valsartan for the management of heart failure: A perspective viewpoint on current evidence. <i>International Journal of Cardiology</i> , 2021, 327, 138-145.	1.7	19
99	CHA2DS2-VASc score and blood biomarkers to identify patients with atrial high-rate episodes and paroxysmal atrial fibrillation. <i>Europace</i> , 2016, 19, euw101.	1.7	18
100	Arterial stiffness and elevated left ventricular filling pressure in patients at risk for the development or a previous diagnosis of HF: A subgroup analysis from the DIAST-CHF study. <i>Journal of the American Society of Hypertension</i> , 2017, 11, 303-313.	2.3	18
101	Left and right ventricular strain using fast strain-encoded cardiovascular magnetic resonance for the diagnostic classification of patients with chronic non-ischemic heart failure due to dilated, hypertrophic cardiomyopathy or cardiac amyloidosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 45.	3.3	18
102	Renal sympathetic denervation restores aortic distensibility in patients with resistant hypertension: data from a multi-center trial. <i>Clinical Research in Cardiology</i> , 2018, 107, 642-652.	3.3	17
103	Assessment of Global Longitudinal and Circumferential Strain Using Computed Tomography Feature Tracking: Intra-Individual Comparison with CMR Feature Tracking and Myocardial Tagging in Patients with Severe Aortic Stenosis. <i>Journal of Clinical Medicine</i> , 2019, 8, 1423.	2.4	17
104	Morbidity and mortality in patients with cardiovascular risk factors and obstructive sleep apnoea: results from the DIAST-CHF cohort. <i>Respiratory Medicine</i> , 2019, 154, 127-132.	2.9	17
105	Multilayer myocardial strain improves the diagnosis of heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 3240-3245.	3.1	17
106	Muscular changes in animal models of heart failure with preserved ejection fraction: what comes closest to the patient?. <i>ESC Heart Failure</i> , 2021, 8, 139-150.	3.1	17
107	Left atrial strain predicts exercise capacity in heart failure independently of left ventricular ejection fraction. <i>ESC Heart Failure</i> , 2022, 9, 842-852.	3.1	17
108	Reliability of peripheral arterial tonometry in patients with heart failure, diabetic nephropathy and arterial hypertension. <i>Vascular Medicine</i> , 2017, 22, 292-300.	1.5	16

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109	Z-score mapping for standardized analysis and reporting of cardiovascular magnetic resonance modified Look-Locker inversion recovery (MOLLI) T1 data: Normal behavior and validation in patients with amyloidosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 6.	3.3	16
110	Safety and efficacy of applying a low-dose radiation fluoroscopy protocol in device implantations. <i>Europace</i> , 2017, 19, 1364-1368.	1.7	15
111	SGK1-dependent stimulation of vascular smooth muscle cell osteo-/chondrogenic transdifferentiation by interleukin-18. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 889-899.	2.8	15
112	Ubiquitin-proteasome system and enzymes of energy metabolism in skeletal muscle of patients with HFpEF and HFrEF. <i>ESC Heart Failure</i> , 2021, 8, 2556-2568.	3.1	15
113	Effects of sacubitril/valsartan versus valsartan on renal function in patients with and without diabetes and heart failure with preserved ejection fraction: insights from PARAGON-HF. <i>European Journal of Heart Failure</i> , 2022, 24, 794-803.	7.1	15
114	AMP-activated protein kinase $\hat{1}$ -sensitive activation of AP-1 in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 97, 36-43.	1.9	14
115	Plasma parathyroid hormone and cardiovascular disease in treatment-naïve patients with primary hyperparathyroidism: The EPATH trial. <i>Journal of Clinical Hypertension</i> , 2017, 19, 1173-1180.	2.0	14
116	Role of PKB/SGK-dependent phosphorylation of GSK-3 $\hat{1}$ / $\hat{2}$ in vascular calcification during cholecalciferol overload in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2068-2074.	2.1	14
117	Left ventricular dysfunction in heart failure with preserved ejection fraction—molecular mechanisms and impact on right ventricular function. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 1541-1560.	1.7	14
118	miR-181c level predicts response to exercise training in patients with heart failure and preserved ejection fraction: an analysis of the OptimEx-Clin trial. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 1722-1733.	1.8	14
119	High-density lipoproteins reduce palmitate-induced cardiomyocyte apoptosis in an AMPK-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2015, 466, 272-277.	2.1	13
120	Should procalcitonin be measured routinely in acute decompensated heart failure?. <i>Biomarkers in Medicine</i> , 2015, 9, 651-659.	1.4	13
121	High Perforin-Positive Cardiac Cell Infiltration and Male Sex Predict Adverse Long-Term Mortality in Patients With Inflammatory Cardiomyopathy. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	13
122	Cardiovascular magnetic resonance feature tracking in small animals—a preliminary study on reproducibility and sample size calculation. <i>BMC Medical Imaging</i> , 2017, 17, 51.	2.7	13
123	Role of Cytosolic Serine Hydroxymethyl Transferase 1 (SHMT1) in Phosphate-Induced Vascular Smooth Muscle Cell Calcification. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 1212-1221.	2.0	13
124	Variability of Myocardial Strain During Isometric Exercise in Subjects With and Without Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 111.	2.4	13
125	Early detection of cardiac alterations by left atrial strain in patients with risk for cardiac abnormalities with preserved left ventricular systolic and diastolic function. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 701-711.	1.5	13
126	Determinants of submaximal exercise capacity in patients at risk for heart failure with preserved ejection fraction—results from the DIAST-HF study. <i>ESC Heart Failure</i> , 2015, 2, 76-84.	3.1	12

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127	Inhibition of vascular smooth muscle cell calcification by vasorin through interference with TGF β 1 signaling. Cellular Signalling, 2019, 64, 109414.	3.6	12
128	Right \rightarrow ventricular dysfunction in HFpEF is linked to altered cardiomyocyte Ca ²⁺ homeostasis and myofilament sensitivity. ESC Heart Failure, 2021, 8, 3130-3144.	3.1	12
129	Cardiac arrhythmias in patients with COVID-19: Lessons from 2300 telemetric monitoring days on the intensive care unit. Journal of Electrocardiology, 2021, 66, 102-107.	0.9	12
130	Cardiac power output accurately reflects external cardiac work over a wide range of inotropic states in pigs. BMC Cardiovascular Disorders, 2019, 19, 217.	1.7	11
131	Effect of comprehensive initial training on the variability of left ventricular measures using fast-SENCE cardiac magnetic resonance imaging. Scientific Reports, 2019, 9, 12223.	3.3	11
132	Speckle Tracking Analysis Reveals Altered Left Atrial and Ventricular Myocardial Deformation in Patients with End-Stage Liver Disease. Journal of Clinical Medicine, 2021, 10, 897.	2.4	11
133	Zinc Ameliorates the Osteogenic Effects of High Glucose in Vascular Smooth Muscle Cells. Cells, 2021, 10, 3083.	4.1	11
134	Relationship between bone turnover and left ventricular function in primary hyperparathyroidism: The EPATH trial. PLoS ONE, 2017, 12, e0173799.	2.5	10
135	Myocardial deformation assessed among heart failure entities by cardiovascular magnetic resonance imaging. ESC Heart Failure, 2021, 8, 890-897.	3.1	10
136	Magnetic field \rightarrow induced interactions between phones containing magnets and cardiovascular implantable electronic devices: Flip it to be safe?. Heart Rhythm, 2022, 19, 372-380.	0.7	10
137	Synthetic Extracellular Volume in Cardiac Magnetic Resonance Without Blood Sampling: a Reliable Tool to Replace Conventional Extracellular Volume. Circulation: Cardiovascular Imaging, 2022, 15, 101161CIRCIMAGING121013745.	2.6	10
138	“One Size Does Not Fit All”. JACC: Heart Failure, 2016, 4, 460-463.	4.1	9
139	Long-term left atrial remodeling after ablation of persistent atrial fibrillation: 7-year follow-up by cardiovascular magnetic resonance imaging. Journal of Interventional Cardiac Electrophysiology, 2020, 58, 21-27.	1.3	9
140	The force stability of tissue contact and lesion size index during radiofrequency ablation: An <i>ex vivo</i> study. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 327-331.	1.2	9
141	Acid sphingomyelinase promotes SGK1-dependent vascular calcification. Clinical Science, 2021, 135, 515-534.	4.3	9
142	Preface. Heart Failure Clinics, 2014, 10, xv.	2.1	8
143	Right Heart Remodeling in Patients with End-Stage Alcoholic Liver Cirrhosis: Speckle Tracking Point of View. Journal of Clinical Medicine, 2019, 8, 1285.	2.4	8
144	NT-proBNP and diastolic left ventricular function in patients with Marfan syndrome. IJC Heart and Vasculature, 2016, 12, 15-20.	1.1	7

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